



**Chettinad
Academy**
of Research and Education
(Deemed to be University)

Sustainability

Report 2025-26

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Chettinad Academy of Research and Education

(Deemed to be University u/s 3 of the UGC Act, 1956)

Sustainability Report

The university employs effective techniques for the management of the wastes that are accumulated in the campus as elaborated below.

Solid Waste Management:

Solid wastes include food waste, paper waste, plastics, glass, ashes and garden waste. In the campus, the main items are food waste and garden waste. A place is earmarked in the campus wherein garden waste is dumped in large pits and compost formed is used to maintain the lush greenery. The University takes all necessary steps to provide a scientific solution to food waste. All the other types of solid wastes are collected and removed from the campus by the government health department.

Liquid Waste Management:

Liquid wastes comprise of waste-water, fats, oils / grease, used oil and dangerous liquids of other types. These are detrimental to human health cum environment and thus should be managed with all precautions. Liquid waste generated from hostel, different labs and other places are sent to the treatment plant. The treatment of waste liquids consists of:

Primary Treatment (Screening) where raw sewage is filtered; all solid particles are manually removed at fixed time intervals and disposed. The solid organic waste is collected and converted to compost.

Secondary Treatment:

- i) Equalization: The filtered sewage is collected in the collection sump for equalization. Pump sets transfer this into an aeration tank.
- ii) Biological treatment: This converts organic matter present in waste-water into bacterial flock.
- iii) Secondary Settling: The overflow from the settling tank is taken to a Clarified Water Tank.

Tertiary Treatment and UF:

Water is pumped through a pressure sand filter along with necessary mixing of alum and chlorine for reduction of BOD and COD levels.

Sludge Drying:

In the sludge decanting process, the excess sludge formed is used as manure for gardening.

Biomedical Waste Management:

Biomedical wastes such as human anatomical wastes, microbiology and biotechnology wastes, syringes, hypodermic needles and scalpels are segregated and collected in color-coded bags. They are removed from the source and dumped in Biomedical Waste Yard from where it is cleared by GJ Multiclave, (Govt. authorized biomedical waste management agency) to Common Biomedical Waste Treatment Facility (CBMWTF).

e-Waste Management:

E-waste or Waste Electrical and Electronic Equipment (WEEE) are loosely discarded, surplus, obsolete, broken, electrical or electronic devices. This is very complex in nature. E-waste generation in our campus is very low and consists of used batteries and computer parts both damaged and obsolete. They are taken back by the vendors who supplied them.

Waste Recycling System:

Clearly labeled bins are placed in well demarcated zones all over the campus which ensure that the waste that can be recycled is segregated at the source itself. The metal and glass pieces thus received is up-cycled in the form of containers that can be autoclaved / sterilized and similar such resultable purposes.

Hazardous Chemicals and Radioactive Waste Management:

We do not handle or generate radioactive waste.

The chemical waste incidentally generated in various labs and other places is collected and disposed as per the Govt. guidelines

Centre for Herbal Pharmacology and Environmental Sustainability (CHPES),
Chettinad Academy of Research and Education

The Centre for Herbal Pharmacology and Environmental Sustainability (CHPES) has been established in December 2022, which stands as a beacon of excellence in the realm of multidisciplinary research. This cutting-edge research lab is dedicated to pushing the boundaries of knowledge in the fields of pharmacology, nanotechnology, materials science, environmental sciences, and biotechnology. Through its innovative approaches and holistic perspectives, CHPES is driving progress towards a more sustainable and harmonious coexistence of humanity and the environment.

Mission and Vision

CHPES is on a mission to revolutionize the way we approach healthcare, environmental conservation, and sustainable living. Their vision is to create a future where the benefits of nature are harnessed through advanced scientific methodologies, leading to the development of eco-friendly pharmaceuticals, materials, and technologies. Through this, they aim to promote a healthier planet and enhance the well-being of individuals and communities worldwide. This lab aims at contributing excellent research with broad spectrum of multidisciplinary research with target to achieve maximum Sustainable Development Goals.

Research Areas

(i) Herbal Pharmacology:

CHPES places a significant emphasis on exploring the therapeutic potential of plants and natural compounds. Researchers at the lab are engaged in the extraction, purification, and characterization of bioactive molecules from herbs and traditional medicinal plants. Through rigorous studies, they seek to uncover new drugs, formulations, and treatment modalities for a wide range of diseases and health conditions.

(ii) Nanotechnology:

The lab is at the forefront of nanotechnological research, utilizing the unique properties of nanoscale materials to revolutionize in the areas such as drug delivery, diagnostics, and environmental remediation. The lab is focussed in utilizing herbal plant extracts for the formulation of the nanomaterials which can be further utilized in the field of healthcare and environmental sciences. This involves the formulation, testing and standardization of the formulation protocols. CHPES aims to enhance the efficacy and precision of medical treatments while minimizing environmental impact.

(iii) Materials Science:

CHPES focuses on the synthesis and characterization of advanced materials with applications in medicine, energy, and environmental protection. Their efforts include the development of biodegradable polymers, smart coatings, and sustainable packaging materials. By pioneering eco-conscious material solutions, CHPES is contributing to the global effort to reduce waste and pollution. The CHPES also employs materials science to pioneer sustainable electronics. Through innovative material selection and design, CHPES creates eco-friendly electronic components with reduced environmental impact. This approach not only curtails pollution in production processes but also addresses the issue of electronic waste. Additionally, CHPES explores advanced sensing materials for environmental monitoring, further contributing to pollution control efforts. By integrating materials science, CHPES exemplifies a holistic approach to electronics development, prioritizing sustainability, and paving the way for a cleaner, more efficient electronic future.

Environmental Sciences:

The lab is committed to understanding and mitigating environmental challenges through comprehensive research. This includes studies on biodiversity conservation, pollution control, and sustainable resource management. CHPES exemplifies a multidisciplinary approach to environmental sustainability. Leveraging materials science, CHPES pioneers eco-friendly solutions for water purification, utilizing natural compounds to develop efficient filtration systems. In addressing land pollution, biodegradable materials are engineered, reducing the environmental impact of waste. Herbal plants are harnessed for biofuel production, providing a renewable energy source that mitigates reliance on fossil fuels. Additionally, CHPES explores plant-based air filtration technologies to combat air pollution, contributing to cleaner and healthier environments. Through this integrated approach, CHPES demonstrates a commitment to sustainable practices that harmonize with the natural world. Through their work, CHPES aims to provide evidence-based solutions for preserving natural ecosystems and safeguarding the planet's ecological balance.

Biotechnology:

CHPES exemplifies a paradigm shift in biotechnology, seamlessly merging the potential of herbal plants and nanotechnology. CHPES employs advanced biotechnological techniques to unlock and harness the bioactive potential of herbal plants, paving the way for sustainable pharmaceuticals and nutraceuticals. Through precision nanoscale manipulation, nanotechnology enhances the delivery and efficacy of these bioactive compounds, revolutionizing drug development and functional foods. CHPES places environmental sustainability at its core, utilizing renewable herbal resources and minimizing ecological footprints through nanotechnological optimization. The lab's impact transcends pharmaceuticals, extending to fortified foods, eco-friendly packaging, and agricultural solutions. Collaborations with global partners amplify the lab's influence, facilitating the translation of research into real-world applications. CHPES stands as a beacon of innovation, leading the charge towards a greener, healthier future through the marriage of biotechnology, herbal plants, and nanotechnology.

Collaborations and Impact

CHPES actively collaborates with academic institutions, government agencies, industry partners, and non-profit organizations on a global scale. These partnerships facilitate knowledge exchange, technology transfer, and the translation of research findings into real-world applications. The lab's research outcomes have already made significant contributions to the fields of healthcare, environmental conservation, and sustainable technologies.

Research publications:

S. No.	Title	Authors	Year	Scopus Source title	DOI	Sustainable Development Goals
1	Harnessing Microbiome Therapy to Treat Metabolic Syndrome	AlJnainati, M. Govindarajan, A. Tyagi, S. Iltaf, M. AlJnainati, J. Ayoub, M. Shadab, H.A.	2026	AACE Endocrinology and Diabetes	10.1016/j.aed.2025.11.015	SDG 3
2	Nb2CTx@UiO-66-Bi2Fe4O9 Ternary Hybrid for Efficient Piezo-photocatalytic Removal of Sulfamethoxazole from Water	Nguyen, L.M.K. Nguyen, T.D.N. Vu, T.H. Bui, V.D. Vasseghian, Y. Joo, S.-W.	2026	ACS Applied Materials and Interfaces	10.1021/acssami.5c19506	SDG 3 SDG 6
3	Titanium Nitride Nanomaterials—A New Horizon for Light-activated human Mesenchymal Stem Cell and Cancer Cell Therapy	Balasubramaniam, N. Balakrishnan, R. Bera, A.K. Nagai, M. Subbarayan, R. Kar, S. Santra, T.S.	2026	Advanced Therapeutics	10.1002/adtp.202500272	SDG 3
4	An Overview of MicroRNA Biology: From Biogenesis to Therapeutic Implications	Nambidi, S. Adhikari, S. Pallatt, S. Dey, A. Banerjee, A. Pathak, S.	2026	Advances in Biochemistry in Health and Disease	10.1007/978-3-032-08824-6_1	SDG 3
5	MicroRNAs and Cancer Stem Cells: Mechanisms and Their Role in Cancer	Sennie, N.S. Pallatt, S. Ashiq Shibili, P. Dey, A. Pathak, S. Banerjee, A.	2026	Advances in Biochemistry in Health and Disease	10.1007/978-3-032-08824-6_5	SDG 3
6	Innovative indoor hydroponic co-cultivation: Light-driven optimization of lettuce growth and microalgal <i>Chlorella</i> sp. G049 biomass with nutritional and biodiesel potentials	Pekkoh, J. Nuchtako, K. Maneechote, W. Kamngoen, A. Wichaphian, A. Pathom-aree, W. Chromkaew, Y. Cheirsilp, B. Khoo, K.S. Huo, S. Srimongkol, P. Srinuanpan, S.	2026	Algal Research	10.1016/j.algal.2026.104548	SDG 2 SDG 7 SDG 12
7	<i>Solanum mauritianum</i> Scop. Leaf Extract Attenuates ROS-Mediated Inflammation and Prevents IL-6 Promoter Demethylation in Activated Monocytes	Karanath-Anilkumar, A. Sadiq, M. Ganesan, S. Ahmed, S.S.S.J. Munuswamy-Ramanujam, G.	2026	Applied Biochemistry and Biotechnology	10.1007/s12010-025-05460-5	SDG 3
8	Innovations in biohydrogen production: Integrating biomass conversion, microbial engineering, nanotechnology, and intelligent process control	Praveen, A. Durgadevi, P. Girigoswami, K. Girigoswami, A.	2026	Biocatalysis and Agricultural Biotechnology	10.1016/j.bcab.2026.104081	SDG 7 SDG 9 SDG 12
9	Intersection of COVID-19 and Alzheimer's Disease: Genetic Insights and Neuropathological Consequences	Balakrishnan, R. Subbarayan, R. Shrestha, R. Chauhan, A.	2026	Biochemical Genetics	10.1007/s10528-025-11208-x	SDG 3
10	Zinc and Copper Metallic Instability: Investigating Altered Metal Functionality in both Human and Animal Studies	Bhardwaj, N. Bhardwaj, V. Choudhary, A. Choudhary, M. Bhardwaj, I. Dutta, K. Nagraik, R. Ravi, K. Sharma, A. Aman, J.	2026	Biological Trace Element Research	10.1007/s12011-026-04983-0	SDG 3
11	Sustainable tetracycline removal using waste derived CaO modified biochar: RSM optimization, machine learning prediction and cost analysis	Dhillayan, D. Bhukal, S. Kumar, S. Ghotekar, S. Kataria, N.	2026	Biomass and Bioenergy	10.1016/j.biombioe.2026.109546	SDG 15
12	Dark fermentative biohydrogen production in phenol-containing wastewater by immobilized microalgae-alginate beads: life cycle assessment with energy analysis	Woon, J.M. Khoo, K.S. Sahrin, N.T. Yunus, N.M. Sin, J.C. Lam, S.M. Lim, J.W.	2026	Biomass Conversion and Biorefinery	10.1007/s13399-026-07163-1	SDG 6 SDG 7 SDG 9 SDG 12
13	Polymeric Nano-carrier Based Drug Delivery: The Recent Development and Their Applications on Colon, Breast, and Lung Cancer	Parida, R.C. Thamizhanban, D. Lakshmi, K. Jena, G.K.	2026	Biomedical Materials and Devices	10.1007/s44174-025-00415-0	SDG 3 SDG 9
14	Retraction notice to "A review on metal complexes and its anti-cancer activities: Recent updates from in vivo studies" (Biomedicine & Pharmacotherapy, (2024), 171, C, (116211), (S0753332224000921), 10.1016/j.biopha.2024.116211)	Adhikari, S. Nath, P. Das, A. Datta, A. Baidya, N. Duttaroy, A.K. Pathak, S.	2026	Biomedicine and Pharmacotherapy	10.1016/j.biopha.2026.119407	SDG 3
15	Multifunctional Bioactivity of Zinc Selenide Nanoparticles Coated with Seaweed Polysaccharide from <i>Ulva fasciata</i>	Karkhane, M. Mirzaei, S.Z. Rouzbahani, A.K. Sepahdar, A. Ghotekar, S. Sharafi, Z. Marzban, A.	2026	BioNanoScience	10.1007/s12668-025-02170-4	SDG 3
16	Insight into the metabolism of gliomas by MRI and MRS	Pandey, S. Yadav, N. Tiwari, V. Jagannathan, N.R.	2026	Biophysical Reviews	10.1007/s12551-026-01416-z	SDG 3
17	The Convergence of Nanoscience and Stem Cells: A New Era in Cancer Therapeutics	Raveendran, A.P. Ragavendran, G. Philip, R.R. Duraisamy, S. Sankari, D. Sathyaraj, W.V.	2026	Biotechnology Journal	10.1002/biot.70188	SDG 3

18	Congenital phimosis with foreskin discoloration revealing pigmented spitz nevus	Thariq Ajmal, I. Anand, F. P, P. Andiyappan, M. Muralidhar, V.	2026	BMJ Case Reports	10.1136/bcr-2025-271893	SDG 3
19	Breast Cancer Susceptibility: Meta-Analysis of Cytochrome P450 2C19 (CYP2C19) and Estrogen Receptor-1 (ESR1) Genetic Variants	Shibi Anilkumar, A. Thomas, S.M. Veerabathiran, R.	2026	Cancer Investigation	10.1080/07357907.2025.2596854	SDG 3
20	Chemoresistance: The hidden barrier in cancer treatment	Dhiman, V.K. Kumari, M. Singh, D.	2026	Cancer Pathogenesis and Therapy	10.1016/j.cpt.2025.07.001	SDG 3
21	Exploring Fecal Microbiota Transplantation: Potential Benefits, Associated Risks, and Challenges in Cancer Treatment	Ramesh, A. Subbarayan, R. Shrestha, R. Adtani, P.N.	2026	Cancer Reports	10.1002/cnr2.70455	SDG 3
22	Introduction to Cancer Metabolism	Mohan, G. Meena, M. Siddiqui, M.H. Raturi, G. Janmeda, P. Chaudhary, P.	2026	Cancer Treatment and Research	10.1007/978-3-032-21861-2_1	SDG 3
23	Dielectric modulation via a rapid thermal treatment of defect-engineered graphitic carbon nitride for enhancing photocatalytic H2 evolution and statistical correlations	Dinkirir, A.M. Lin, Z.-J. Takaki, Y. Huang, S.-H. Yoshida, M. Nguyen, V.-H. Hu, C.	2026	Carbon	10.1016/j.carbon.2026.121420	SDG 7
24	Unlocking lignocellulosic biomass: Biocatalyst-driven strategies for sustainable biofuel generation	Gokul, T.A. Ramesh Kumar, K. Dang, K.D. Ma, Y. Veeramankandan, V. Sudharsun, B. Pothiraj, C. Arun, A. Hussain, M. Nguyen, V.-H. Balaji, P.	2026	Carbon Resources Conversion	10.1016/j.crcon.2026.100417	SDG 7 SDG 9 SDG 15
25	Insights Into a Bio-Waste-Mediated Eco-Friendly Synthesis of ZnCo2O4 Nanoparticles for the Sunlight-Aided Photocatalytic Decomposition of Rhodamine B Dye	Pagar, K. Pagar, B. Mishra, S.R. Gadore, V. Roy, S. Ahmaruzzaman, M. Singh, K.R.B. Singh, J. Jabir, M.S. Ghotekar, S.	2026	Catalysis Surveys from Asia	10.1007/s10563-026-09483-8	SDG 6
26	Interface-Engineered Zn@TiO2 and Ti@ZnO Nanocomposites for Advanced Photocatalytic Degradation of Levofloxacin	Raval, I. Shukla, A. Gandhi, V.G. Dang, K.D. Nair, N.G. Nguyen, V.-H.	2026	Catalysts	10.3390/cata16010109	SDG 3 SDG 6
27	Fatty Acid-enriched Euphorbia nerifolia Alleviates the NPIP-induced Lung Cancer Via Modulating Oxidative Stress and Apoptosis in Swiss Albino Mice	Chaudhary, P. Meena, M. Singh, D. Janmeda, P.	2026	Cell Biochemistry and Biophysics	10.1007/s12013-026-02017-z	SDG 3
28	Novel ZnTiO3-based photocatalysts: nanostructured catalyst design, mechanisms, and applications toward efficient solar-fuel and pollutants degradation	Sonali Soni, V. Singh, P. Gautam, P. Parwaz Khan, A.A. Dinh, D.A. Nguyen, V.-H. Kaya, S. Gautam, S. Raizada, P.	2026	Ceramics International	10.1016/j.ceramint.2026.05.279	SDG 7 SDG 13
29	Acute toxicity evaluation of zinc oxide-low molecular weight chitosan nanocomposites in zebrafish embryo	Senthil, A. Palaniselvam, S. Ramachandran, S. Rajesh, P.	2026	Chemical Physics Impact	10.1016/j.chphi.2026.101042	SDG 14
30	Green Synthesis of CeO2 Nanoparticles Using Cannabis sativa L. Seed Extract for Antibacterial and Breast Cancer Applications	Subbarayan, R. Chauhan, A. Rao, S.K. Dhiman, V.K. Ali, S.K. Mazahirul, I.	2026	ChemistrySelect	10.1002/slct.202507256	SDG 3
31	Emerging N-Heterocyclic Anticancer Agents Targeting CDK2: Synthetic Advances and SAR Insights	Chakraborty, A. Akhtar, M.J. Ashique, S. Mukherjee, K. Nehra, B. Dutta, A. Mandal, B. Das, S. Jana, S. Das, S. Chaudhary, P. Sridhar, S.B. Nath, R. Debnath, B.	2026	ChemistrySelect	10.1002/slct.202507090	SDG 3
32	Upcycling of Battery Waste for Enhanced Photocatalytic Hydrogen Production	Li, Z. Patra, R. Ishihara, R. Tsai, D.-C. Wang, K.-H. Nguyen, V.-H. Hu, C.	2026	ChemNanoMat	10.1002/cnma.202500548	SDG 7 SDG 12
33	Precision reconstructive oncology: Integrating MACC1 and salivary biomarkers into surgical planning for head and neck cancers	Hussain, S.T. Shunmugavelu, K. Manipal, S. Kannan, R. Karunamoorthy, V.	2026	Chinese Journal of Plastic and Reconstructive Surgery	10.1016/j.cjprs.2026.03.001	SDG 3
34	Bioprinting: revolutionizing biology with 3D innovation	Janani, G. Rk, N.K. Girigoswami, A. Girigoswami, K.	2026	Chulalongkorn Medical Journal	10.56808/2673-060X.5626	SDG 2 SDG 3 SDG 9
35	Artificial photosynthesis to overcome oxygen deprivation during respiratory disease crisis: A mini review	Mercy, D.J. Rm, H. Girigoswami, A. Girigoswami, K.	2026	Chulalongkorn Medical Journal	10.56808/2673-060X.5615	SDG 3 SDG 7

36	Multi Criteria Decision Making Approaches for Carbon Sensitive Inventory Policies in Sustainable Environment	Nagarajan, D. Bhuvaneshwari, T. Yasothi, S. Shyaman, V.P.	2026	Circular Economy and Sustainability	10.1007/s43615-026-00725-5	SDG 9 SDG 12 SDG 13
37	Liquid biopsy in neurodegenerative disease: A minimally invasive approach for early diagnosis	Udayakumar, S. Girigoswami, A. Girigoswami, K.	2026	Clinica Chimica Acta	10.1016/j.cca.2025.120517	SDG 3
38	Genetic determinants of hypertension: A meta-analysis of AGTR1 and CYP11B2 gene polymorphisms	Thomas, S.M. Anilkumar, A.S. Veerabathiran, R.	2026	Clinical and Experimental Hypertension	10.1080/10641963.2026.2643329	SDG 3
39	Liquid biopsy in modern medicine: advancing diagnostics from molecular insights to clinical practice	Dhiman, V.K. Srivastava, S. Kumari, M. Singh, D.	2026	Clinical and Translational Oncology	10.1007/s12094-026-04363-z	SDG 3
40	Systems immunology meets clinical translation: Multi-omic approaches to predict therapy response in cancer and autoimmune disease	Chandra Sekar, P.K. Veerabathiran, R.	2026	Clinical Immunology Communications	10.1016/j.clicom.2025.12.002	SDG 3
41	Biocompatible Carbon-Coated Ferrite Nanodot-Based Magnetoliposomes for Magnetic-Induced Multimodal Theragnostic	Kiran, V. Thirumalai, A. Durgadevi, P. Akhtar, N. Prabhu, A.D. Girigoswami, K. Girigoswami, A.	2026	Colloids and Interfaces	10.3390/colloids10010004	SDG 3
42	Three-dimensional cobalt@carbon foams decorated with nanospheres: Engineering hierarchical architectures and redox-active interfaces for advanced environmental catalysis	Jiang, X.-Y. Tong, S. Khiem, T.C. Huang, P.-J. Ebrahimi, A. Chen, W.-H. Ghotekar, S. Lin, K.-Y.A. Hu, C.	2026	Colloids and Surfaces A: Physicochemical and Engineering Aspects	10.1016/j.colsurfa.2026.139733	SDG 6
43	AI-Powered Framework for Identifying Maternal Diagnostic Biomarkers of Gestational Diabetes Mellitus	Kiruthika, V. Madhumitha, R. Karishma, K. Deepika, V. Krishnan, D.	2026	Communications in Computer and Information Science	10.1007/978-3-032-16830-6_9	SDG 3
44	Strategic design and mechanistic unveiling of Ni-based S-scheme heterojunctions for efficient CO2 photoreduction to C1 products: Coordination chemistry, spectroscopic evidence, and future directions	Mathotra, M. Singh, P. Van Le, Q. Khan, A.A.P. Katin, K.P. Kaya, S. Hu, C. Nguyen, V.-H. Raizada, P.	2026	Coordination Chemistry Reviews	10.1016/j.ccr.2025.217179	SDG 7 SDG 13
45	A Lack of Association between Vitamin D Receptor Gene Polymorphisms with Colorectal Cancer: A Comprehensive Meta-Analysis and Power Assessment	Anilkumar, A.S. Thomas, S.M. Veerabathiran, R.	2026	Critical Reviews in Eukaryotic Gene Expression	10.1615/CritRevEukaryotGeneExp.2025062255	SDG 3
46	Nanotechnology-enhanced delivery systems for bioactive citrus compounds: a comprehensive review	Davodabadi, F. Nasri, N. Valizadeh, N. Haji Ali, B. Ghotekar, S. Sargazi, S. Barani, M. Rahman, M.M.	2026	Critical Reviews in Food Science and Nutrition	10.1080/10408398.2025.2584454	SDG 3
47	Green Synthesis and Characterization of Silver Nanoparticles from Vernonia cinerea: Antioxidant and Anticancer Activities in Colorectal Cancer (Caco-2) Cells	Sadiq, S. Tamreen, V. Thulasigam, M. Narasimhamurthy, L. Jana, S. Ramamurthy, B. Mallesh, J.Y.K. Sheikh, S.J. Sreeharsha, N. Shah, A.N.	2026	Current Bioactive Compounds	10.2174/0115734072389358251023054155	SDG 3
48	Psychedelic and Medicinal Mushrooms: Potent Source of Active Metabolites and Medicines	Chaudhary, P. Janmeda, P.	2026	Current Bioactive Compounds	10.2174/0115734072383313250602052217	SDG 3
49	Metformin in Diabetis and Beyond: Therapeutic Mechanisms, Lactic Acidosis, Organ-Specific Effects, and Nanotechnology-Based Delivery Strategies	Girigoswami, K. Girigoswami, A.	2026	Current Medical Science	10.1007/s11596-026-00198-5	SDG 3
50	Extracellular Vesicles of Mycobacterium tuberculosis Serve as a Virulence Factor - Current Research Applications	Sundaram, K. Rathinam, S.	2026	Current Microbiology	10.1007/s00284-026-04978-z	SDG 3
51	Nanolayered Topsheet Integration for Enhanced Antimicrobial Properties in Sanitary Napkins	A., H. K., S. Deepika, B. Thirumalai, A. P.S., S.S. Perumal, I. Girigoswami, A. Girigoswami, K.	2026	Current Molecular Medicine	10.2174/0115665240420228251206201238	SDG 3
52	Quality by Design Approach for the Development of Polymeric Nanoparticles: A Focus on Capecitabine	Parida, R.C. Thamizhanban, D. Jena, G.K.	2026	Current Nanomaterials	10.2174/0124054615368563250319002905	SDG 3 SDG 9
53	Lipidation and Stapled Peptides: Enhancing Stability and Pharmacokinetics	Rajesh, R.P. Selvam, M. Palaniselvam, S. Ramachandran, S.	2026	Current Protein and Peptide Science	10.2174/0113892037428456260128183846	SDG 3 SDG 9

54	Inflammation and Oxidative Stress: Common Pathways in Diabetes and Cancer	Murali, U. Muthuvel, R. Min, Y. Subbaraj, G.K.	2026	Diabetes and Cancer: Association, Mechanism, and Therapeutic Implications	10.1007/978-981-95-5651-9_3	SDG 3
55	An Overview of Diabetes and Cancer Risks: Types and Mechanisms	Muruganatham, J.K. Veerabathiran, R.	2026	Diabetes and Cancer: Association, Mechanism, and Therapeutic Implications	10.1007/978-981-95-5651-9_1	SDG 3
56	Exploring the Role of Gut Microbiota in Diabetes and Colorectal Cancer	Sennie, N.S. Nambidi, S. P, A.S. Banerjee, A. Radhakrishnan, A.	2026	Diabetes and Cancer: Association, Mechanism, and Therapeutic Implications	10.1007/978-981-95-5651-9_7	SDG 3
57	Understanding the Connection Between Diabetes and Cancer	Chandra Sekar, P.K. Veerabathiran, R.	2026	Diabetes and Cancer: Association, Mechanism, and Therapeutic Implications	10.1007/978-981-95-5651-9_2	SDG 3
58	Drug discovery and development in geriatric diabetes care	Bhat, A.R. Ahmed, S. Bhat, S.A. Ahmed, A.K.R. Manzoor, N.	2026	Diabetes, Aging, and Management Strategies: Cellular Mechanisms for Healthy Aging	10.1016/B978-0-443-44665-8.00011-0	SDG 3
59	Nipah virus as a pandemic threat: Current knowledge, diagnostic gaps, and future research priorities	Asokan, S. Luke, M.S. Atiyah, H.M. Noori, S.S. Atiyah, M.M. Makesh Kumar, V. Verma, G. Jagadeesan, A. Beniwal, N. Vijayan, S. Rajeswary, D.	2026	Diagnostic Microbiology and Infectious Disease	10.1016/j.diagmicrobio.2025.117141	SDG 3
60	Underutilized Amorphophallus paeoniifolius trending in food security and sustainable nutraceuticals	Panda, J. Nongbet, A. Mishra, B. Talukdar, R. Sarma, A. Nath, P.C. Rustagi, S. Avula, S.K. Mohapatra, S. Mohanta, Y.K.	2026	Discover Food	10.1007/s44187-025-00758-z	SDG 2 SDG 8 SDG 9 SDG 12
61	Navigating hypertensive disorders in pregnancy: a systematic review	Dhanalakshmi, P. Lakshmi, K. Sreeja, P.A.	2026	Discover public health	10.1186/s12982-025-01304-z	SDG 3
62	Neonatal hearing impairment in relation to early vs. late gestational diabetes mellitus diagnosis: a cross-sectional study	Venkatesh, S. Navin, R.B.N. Prabakaran, S. Muthukumar, R. Rajasekaran, S. Balaji, D. Gowthame, K. Kumar, B.S.	2026	Egyptian Journal of Otolaryngology	10.1186/s43163-026-01121-4	SDG 3
63	Tailoring oxygen vacancies in bismuth-based photocatalysts for enhanced NOx removal efficiency	Kaur, B. Poonia, K. Singh, P. Thakur, S. Nguyen, V.-H. Singh, A. Khan, A.A.P. Raizada, P. Alzahrani, K.A.	2026	Emergent Materials	10.1007/s42247-026-01294-x	SDG 3
64	Autoimmune Thyroid Disease in Pregnancy: Clinical Implications for Miscarriage Risk	Shibi Anilkumar, A. Mariam Thomas, S. Veerabathiran, R.	2026	Endocrine Research	10.1080/07435800.2025.2575170	SDG 3
65	Retraction notice to "4-Carboxyphenyl as efficient donor group in nano Zn-porphyrin for dye sensitized solar cells" [Environ. Res. 251(2024)118704] (Environmental Research (2024) 251(P2), /S001392512400609X/10.1016/j.envres.2024.118704)	Dayanithi, J. Pichaikaran, S. Selvam, S. Shanmugam, K. Kumaresan, N. Pugazhendhi, A. Manavalan, R.K. Garalleh, H.A. Alshehri, M.A. Murugadoss, G.	2026	Environmental Research	10.1016/j.envres.2026.124183	SDG 7
66	Harnessing magnesium ferrite for sustainable Malachite Green dye degradation: insights into photocatalytic mechanisms, material design, and wastewater remediation	Katoch, G. Jasrotia, R. Somvanshi, A. Lal, B. Alsayari, A. Wahab, S. Ravi, K. Ramya, M. Suman Singh, S. Jara, A.D.	2026	Environmental Sciences Europe	10.1186/s12302-025-01298-0	SDG 6 SDG 9
67	Highly active Zn-doped cobalt ferrite catalysts for photocatalytic and electrocatalytic hydrogen production	Prakash, J. Chaudhary, A.A. Somvanshi, A. Lal, B. Suman Rudayni, H.A. Raza, N. Fazil, M. Ahmad, T. Ravi, K. Jasrotia, R. Jara, A.D.	2026	Environmental Sciences Europe	10.1186/s12302-025-01289-1	SDG 7
68	Elucidating the role of ZnO in hydrogen evolution reactions: a performance-centric review	Jasrotia, R. Sharma, A. Somvanshi, A. Lal, B. Ravi, K. Suman Ramya, M. Singh, S. Jara, A.D.	2026	Environmental Sciences Europe	10.1186/s12302-025-01301-8	SDG 7 SDG 13
69	Climate-Driven Habitat Dynamics and Population Ecology of Rhododendron arboreum Sm. in Himachal Pradesh: Implications for Landscape Restoration and Socio-Economic Development	Kaushal, Y. Sharma, P. Bhardwaj, D.R. Verma, K. Sharma, V. Thakur, P. Dhiman, V.K.	2026	Environments - MDPI	10.3390/environments13030138	SDG 8 SDG 13 SDG 15
70	Overview of epigenetic changes in cancer-related to gastrointestinal systems	Arumugam, S. Anjugam, C. Muthuvel, R. Subbaraj, G.K.	2026	Epigenetic Regulations in Gastrointestinal Cancers	10.1016/B978-0-443-27765-8.00008-4	SDG 3
71	ACQUIRED FANCONI-LIKE PROXIMAL RENAL TUBULOPATHY ASSOCIATED WITH KLEBSIELLA PNEUMONIAE INFECTION	Suthanhararajan, S. Das, M. Ara, T. Kumar, V. Vishwanath, S.	2026	European Journal of Case Reports in Internal Medicine	10.12890/2026_006469	SDG 3

72	Serial high-sensitivity troponin I monitoring as a prognostic marker in acute ischemic stroke	Chandrasekaran, N.D. Abinaya, P.V. Tazeem, M.S. Parameswaran, K. Venkatesan, D.S. Ramalingam, D. Rao, V.R.R.M.	2026	European Journal of Clinical and Experimental Medicine	10.15584/ejcem.2026.1.20	SDG 3
73	Computational Approaches to Study ecDNA in Cancer Genomics	Kaushik, M. Chaudhary, P. Mondal, M. Armo, R. Solanki, N. Solanki, S.	2026	Extrachromosomal DNA in Cancer: Mechanisms, Biomarkers, and Therapeutic Implications	10.1201/9781003655299-13	SDG 3
74	Microbial-nanobiotechnology for sustainable food preservation, safety, and security: Current challenges and potential solutions	Panda, J. Mishra, A.K. Nandi, N.B. Mishra, B. Rustagi, S. Thatoi, H. Nath, P.C. Mohanta, Y.K.	2026	Food and Bioproducts Processing	10.1016/j.fbp.2026.04.002	SDG 9 SDG 12
75	Sustainable Pretreatment of Food Waste for Enhanced Bioethanol Production and Improved Waste Management: A Review	Sharma, S. Sahu, S. Singh, G. Arya, S.K. Pugazhendi, A. Setyaningrum, R. Ravi, K. Chinnappan, S. Mani, R.R. Chang, S.W. Ravindran, B.	2026	Food Science and Nutrition	10.1002/fsn.371506	SDG 7 SDG 8 SDG 12
76	Advancements in nanomedicines for cancer therapy: targeting molecular signaling pathways, activating immune cells, and using photothermal immunomodulation	Deb, V.K. Mukherjee, A. Pathak, S. Paul, S. Duttaroy, A.K. Adhikari, S.	2026	Frontiers in Bioengineering and Biotechnology	10.3389/fbioe.2026.1775442	SDG 3
77	Functional analysis of distinct factors linked to the development of latent to active tuberculosis	Sundaram, K. Prabhu, V.	2026	Frontiers in Cellular and Infection Microbiology	10.3389/fcimb.2026.1666138	SDG 3
78	Functional analysis of type VII secretion system links to host immune evasion mechanism in Mycobacterium tuberculosis	Sundaram, K. Rathinam, S. Bethunaickan, R. Ranganathan, U.D. Prabhu, V. Dhanapal, M.	2026	Frontiers in Cellular and Infection Microbiology	10.3389/fcimb.2026.1797994	SDG 3
79	Correction: Functional analysis of distinct factors linked to the development of latent to active tuberculosis (Frontiers in Cellular and Infection Microbiology, (2026), 16, (1666138), 10.3389/fcimb.2026.1666138)	Sundaram, K. Prabhu, V.	2026	Frontiers in Cellular and Infection Microbiology	10.3389/fcimb.2026.1817346	SDG 3
80	Green algae-based sustainable nanoparticles: cutting-edge applications for sustainable development goals benchmark	Das, M. Mohanta, T.K. Sangma, M.K. Semy, K. Mishra, B. Rustagi, S. Sharma, N. Mohanta, Y.K.	2026	Frontiers in Nanotechnology	10.3389/fnano.2026.1751841	SDG 2 SDG 3 SDG 6 SDG 7 SDG 8 SDG 15
81	Selegiline, a monoamine oxidase-B inhibitor as a modulator of metabolic reprogramming for cancer therapy: a review	Jayachandran, J. Nambidi, S. Kondaveeti, S.B. Pathak, S. Radhakrishnan, A. Banerjee, A. Dutta Roy, A.K.	2026	Frontiers in Pharmacology	10.3389/fphar.2026.1763962	SDG 3
82	Editorial: Mesenchymal stem cells and derived extracellular vesicles as next-generation biological drugs for tissue regeneration	Barbon, S. Banerjee, A. Porzionato, A.	2026	Frontiers in Pharmacology	10.3389/fphar.2025.1770314	SDG 3
83	Functional analysis of two component signaling system in Mycobacterium tuberculosis	Sundaram, K. Rathinam, S.	2026	Gene	10.1016/j.gene.2025.149868	SDG 3
84	Emerging Trends and Applications of Green Nanotechnology in Healthcare	Chaitanya Lakshmi, S.R. Rani, K.B. Keerthi, B. Ravi, L. Johnson, A.P. Subbarayan, R. Shrestha, R. Jeevan Kumar, M.	2026	Green Chemistry in Nanotechnology for Sustainable Synthesis, Characterization, and Applications of Nanoparticles	10.1201/9781003644439-26	SDG 3
85	Evaluation of Diabetes Self-Care Activities and Glycemic Control Profiles in People With Type 2 Diabetes Mellitus	Neupane, S. Dahal, P. Koirala, M. Thapa, R.B. Basnet, D. Rijal, S.S.	2026	Health Science Reports	10.1002/hsr.272230	SDG 3
86	Association of serum copeptin levels with cardiovascular disease among adults with type 2 diabetes mellitus: A comparative cross-sectional study	Ramakrishnan, K. Lakshmanan, K. G Opalakrishnan, S.	2026	Indian Journal of Biochemistry and Biophysics	10.56042/ijbb.v63i4.24184	SDG 3
87	The association between low serum total testosterone and atherosclerotic cardiovascular disease	Sadanandam, S. Kapoor, M. Ruram, A.A. Das, P.P.	2026	Indian Journal of Biochemistry and Biophysics	10.56042/ijbb.v63i5.26107	SDG 3
88	Contributing Factors of Anaemia Among Women in The Reproductive Age Group (15 to 49 Years) in Rural Chengalpattu District: A Cross-Sectional Study	Sridharan, V. Manoharan, A. Rajasekar, V.D. Devanbu, V.G.C. Maruthappapandian, J. Surya, B.N.	2026	Indian Journal of Community Medicine	10.4103/ijcm.ijcm_538_24	SDG 3
89	Aging Vibrantly: Tackling Physical Frailty in the Elderly Population with a Focus on India's Health Challenges	Rajasekar, V.D. Sowmiya, K.R. Danasekaran, R. Ramesh, H. Arunagiri, H.N.	2026	Indian Journal of Community Medicine	10.4103/ijcm.ijcm_899_24	SDG 3 SDG 10

90	Generation Z Dental Students' Learning Approaches: A Cross-Sectional Analysis	Jayakumar, S. Karunakaran, J. Harishma, S. Vaithiyalingam, A. Srinivasan, V. Sindhushri, B.	2026	Indian Journal of Dental Sciences	10.4103/ijds.ijds_197_25	SDG 4
91	Preventive strategies for chronic liver disease: A critical review of awareness, vaccine and screening programmes	Daniel, R.A. Das, S. Ramadass Surya, B.N.	2026	Indian Journal of Gastroenterology	10.1007/s12664-025-01919-9	SDG 3
92	Association of GCKR and GLIS3 gene polymorphisms with gestational diabetes mellitus: A case-control study	Muruganatham, J.K. Kandasamy, V. Veerabathiran, R.	2026	Indian Journal of Medical Research	10.25259/IJMR_3385_2025	SDG 3
93	Bacteriology and antibiotic sensitivity in chronic suppurative otitis media in a tertiary hospital in Tamil nadu	Peter, S.A. George, R. Muthukumar, R. Rajasekaran, S. Prabakaran, S. Navin, R.B.N. Balaji, D. Gowthame, K. Sarath Kumar, B.	2026	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-026-06358-2	SDG 3
94	Exploring the Waves and the Ears: Middle Ear Function and Hearing Among Fishermen in Coastal Region of Chennai, India	Manjari, C. Namasivaya Navin, R.B. Prabakaran, S. Balaji, D. Gowthame, K. Muthukumar, R. Rajasekaran, S. Sarath Kumar, B.	2026	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-026-06455-2	SDG 14
95	Drug-induced mania and parkinsonism in substance use disorder patient: A case report	Gurumoorthi, R. Rajendran, R.S. Murugan, A. Thiyagarajan, K. Rajanandh, M.G.	2026	Indian Journal of Pharmacology	10.4103/ijp.ijp_1041_24	SDG 3
96	Investigation of Outbreak of Leptospirosis in a Village in Koraput, Odisha, 2024	Raj, D.P. Jena, S. Dash, S. Sailesh, K. Gollapalli, P. Baral, P.	2026	Indian Journal of Public Health	10.4103/ijph.ijph_656_25	SDG 3 SDG 6
97	Recent advancements in nanomedicine and application on antitubercular therapy	Sundaram, K. Rathinam, S.	2026	Indian Journal of Tuberculosis	10.1016/j.ijtb.2026.02.027	SDG 3
98	Recent progress in eco-friendly fabrication of ZnS nanomaterials and their biomedical and environmental applications – A review	Patel, K. Patil, M. Abhale, Y. Chauhan, A. Marzban, A. Kataria, N. Patil, A. Jabir, M.S. Rahdar, A. Ghotekar, S.	2026	Inorganic Chemistry Communications	10.1016/j.inoche.2026.116677	SDG 3
99	Photocatalytic performance of cerium stannate, charge-transfer mechanisms and applications in pollutant removal and hydrogen evolution	Singh, A. Sonu, S. Raizada, P. Kumar, N. Khan, A.A.P. Nguyen, V.-H. Singh, P.	2026	Inorganic Chemistry Communications	10.1016/j.inoche.2026.116751	SDG 7
100	Gold nanoparticles immobilized subtilisin as a novel nanoplatform for breast carcinoma control: Apoptosis induction and NF-kB suppression	Kadhim, R.J. Jabir, M.S. Sulaiman, G.M. Nayef, U.M. Ghotekar, S. Mohammed, H.A.	2026	Inorganic Chemistry Communications	10.1016/j.inoche.2026.116307	SDG 3
101	Photoinduced green synthesis of silver nanoparticles for colorimetric sensing of heavy metals in water monitoring and remediation	Ninwong, B. Sagadevan, S. Porrawatkul, P. Kuyyogsuy, A. Thepchuay, Y. Pimsen, R. Nuengmatcha, P. Nounmusig, J.	2026	Inorganic Chemistry Communications	10.1016/j.inoche.2026.116762	SDG 3 SDG 6
102	Ti-Ce Nanocatalysts for Evaluation in the Photodegradation of Naproxen and Acetaminophen	Marizcal-Barba, A. Vallejo-Espinosa, G. Contreras-Pacheco, Y.V. Soto-Robles, C.A. Nava-Andrade, K. Leal-Moya, M.D.C. Ghotekar, S. Fellah, M. Gomez, C.M. Avilés-García, O. Pérez-Larios, A.	2026	Inorganics	10.3390/inorganics14050128	SDG 6 SDG 11
103	Artificial Intelligence (AI)-Based Nanocarriers in Cancer Therapy	Momtaz, M. Momtaz, E. Momtaz, F. Moafian, Z. Ghotekar, S. Rahdar, A.	2026	Intelligent Nanocarriers: AI-Based Tools in Cancer Diagnosis and Therapy	10.1002/9781394384891.ch6	SDG 3
104	Emerging insights into MicroRNA therapeutics and diagnostics for atherosclerotic cardiovascular disease: A narrative review	Wong, Z.W. Thanikachalam, P.V. Ramamurthy, S.	2026	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2026.150499	SDG 3
105	Effectiveness Of Multidrug Regimen (Ac) Vs Single Agent (Paclitaxel) Neo Adjuvant Chemotherapy In Labc- A Prospective Study	Kumar, P.M. Ramprasath, E. Manibalan, S. Kumar, R. Kumar, L.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.2.35	SDG 3
106	Exploring The Relationship Between Thyroid Dysfunction and Chronic Kidney Disease in Southern Chennai Population	Suresh Babu, L.M. Ganesan, A.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.9s.78	SDG 3
107	Management of Cervical Insufficiency in Singleton -Predominant Pregnancies: A Retrospective Case Series from a Tertiary Hospital in India (July 2023–July 2025)	Chopra, S. Sailatha, R. Chaudhary, N.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.2.33	SDG 3

108	Evaluation of NLR and PLR in T2DM with Coexisting Hypothyroidism and Their Correlation with TSH	Suresh Babu, L.M. Rubisha, R.B. Ganesan, A.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.6s.83	SDG 3
109	Unmasking Fetal Growth Restriction: Insights From Chettinad Hospital	Chopra, S. Sailatha, R. Chaudhary, N.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.2.34	SDG 3
110	Revisiting Bronchodilator Strategies in Adults Acute Severe Asthma: A Randomized Comparative Study of Inhalational Magnesium Sulphate and Salbutamol	Angadi, B. Nag, P. K G, P. R, S.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.15s.104	SDG 3
111	Association of Pregnancy-Related Anxiety With Perceived Social Support: A Cross-Sectional Study Among Third-Trimester Antenatal Women	Bavatharini, S.A. Vijayalakshmi, K.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.8s.31	SDG 3
112	Evaluation of Anti-Cancer Activity of Sotagliflozin in HUH-7 Hepatoma Cell Lines and DEN–CC14 Model of Hepatocellular Carcinoma in Male Wistar Albino rats	Rajaram, R.K. Elango, A. Sundaramoorthy, K. Banerjee, A. Isaac, J.B. Radhakrishnan, A.	2026	International Journal of Drug Delivery Technology	10.25258/ijddt.16.4s.85	SDG 3
113	Two-dimensional transition metal chalcogenides for water and wastewater remediation: a review	Singh, S. Soni, R. Lokhande, P.E. Kumar, D. Ghotekar, S. Praveenkumar, S. Singh, K. Mubarak, N.M. Suhas Karri, R.R. Dehghani, M.H.	2026	International Journal of Environmental Science and Technology	10.1007/s13762-026-07116-1	SDG 6 SDG 9 SDG 11
114	Expanding the Genetic Insights Into Leprosy: An Updated Meta-Analysis of Interleukin-10 Variants	Veeraraghavan, J. Stephen, S.B. Narasimhan, M. Kanakaraj, L.	2026	International Journal of Immunogenetics	10.1111/iji.70031	SDG 3
115	Bioactives of Lion's Mane Medicinal Mushroom <i>Hericium erinaceus</i> (Agaricomycetes) Targeting PPAR Signaling Pathway: An Experimental and In Silico Investigation	Mahema, S. Roshni, J. Janakiraman, V. Ahmad, S.F. Attia, S.M. Ahmed, S.S.J.	2026	International Journal of Medicinal Mushrooms	10.1615/IntJMedMushrooms.2025062333	SDG 3
116	Prevalence and determinants of nicotine dependence among adult tobacco users residing in the Coastal Areas of the Chengalpattu District, Tamil Nadu, India: A cross-sectional study	Ilanchoorian, D. Radhakrishnan, A. Surya, B.N. Banerjee, A. Rithi, A.T. Arun Kumar, R.	2026	International Journal of Noncommunicable Diseases	10.4103/jncd.jncd_189_25	SDG 3
117	In Silico and In-vitro assessment of β carotene extracted from <i>Westella botryoides</i> for fighting multidrug resistant bacterial strains	Alubaidy, H.A. Al-Bdeery, A.H. Owda, Z.A.-A. Alghanmi, H.A. Ghotekar, S. Jabir, M.S.	2026	International Microbiology	10.1007/s10123-025-00767-z	SDG 12
118	Dietary Patterns and Nutritional Influences in Polycystic Ovary Syndrome: Implications for Metabolic and Reproductive Health	Begum, M.N. Krishnan, M. Lalithamma, A. Jyothi, V.	2026	International Research Journal of Multidisciplinary Scope	10.47857/irjms.2026.v07i02.010798	SDG 3
119	Medium-chain-length polyhydroxyalkanoates- co-polyhydroxybutyrate composited with carbon nanotubes as a proton exchange membrane in microbial fuel cells	Sirajudeen, A.A.O. Annuar, M.S.M. Ibrahim, S. Dar, M.A. Majid, S.R.	2026	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/1587/1/012003	SDG 7
120	A cross sectional study on geriatric dermatosis in patients attending a tertiary care hospital	Narayanan, N. Kunjaram, G.	2026	IP Indian Journal of Clinical and Experimental Dermatology	10.18231/j.ijced.14050.1771845896	SDG 3 SDG 10
121	Life-threatening diffuse alveolar haemorrhage in mixed connective tissue disorder: A rare case report	Balaji, T. Kumar, V. Krishnan, D.	2026	IP Indian Journal of Immunology and Respiratory Medicine	10.18231/j.ijirm.13685.1769070973	SDG 3
122	Implementing monoclonal antibody therapy in clinical practice for rheumatoid arthritis	Dabburu, K.S. Reddy, M.K.K. Purushothaman, S. Murali, U. Sudha, D. Vasanthi, R.K. Prasanna, M. Kannaiyan, S.P.	2026	IP Indian Journal of Immunology and Respiratory Medicine	10.18231/j.ijirm.13608.1769585004	SDG 3
123	From synthesis to sustainability: the lifecycle, challenges and applications of biodegradable plastics	Kiran, V. Durgadevi, P. Girigoswami, K. Harini, K. Thirumalai, A. Girigoswami, A.	2026	Iranian Polymer Journal (English Edition)	10.1007/s13726-025-01549-0	SDG 9 SDG 12 SDG 13 SDG 14
124	Photocatalytic properties of MXenes: Mechanisms, modifications, and multifunctional applications	Mallari, P. Jacob Rubasingh, B. Sendikumar, B. Jeen Robert, R.B. Shazia Fathima, J.H. Muthuselvi, M. Hikku, G.S.	2026	Journal of Alloys and Compounds	10.1016/j.jallcom.2026.187253	SDG 6 SDG 12 SDG 13
125	Navigating the complexity of biologics and biosimilar: structural, clinical, and regulatory insights	Nagarajan, B. Anandbabu, T. Vasudevan, E. Lakshmi, K. Neethirajan, G. Dabburu, K. Prasanna, M. Catherine Grace, D. Suria Prabha, K.	2026	Journal of Applied Biology and Biotechnology	10.7324/JABB.2026.274436	SDG 9 SDG 12

126	Pharmacogenomics for sustainable drug development: A narrative review of precision medicine, green chemistry, and multi-omics innovation	Lakshmi, K. Nagarajan, B. Dabburu, K. Roy, C. Shanthi, B. Das, G. Chakraborty, T. Syed, S. Albert, J. Prabha, K.S.	2026	Journal of Applied Pharmaceutical Science	10.7324/JAPS.2025.260740	SDG 9
127	Renoprotective effects of Strychnos potatorum seed extract in streptozotocin-induced diabetic nephropathy: Enhancement of antioxidant defenses and Zonula occludens – 1 expression	Shankaranarayanan, A. Subramanian, M. Aristotle, S. Subramanian, S. Kaliyaperumal, P.	2026	Journal of Applied Pharmaceutical Science	10.7324/JAPS.2026.295760	SDG 3
128	Salacia oblonga aqueous root extract restores β -cell function in experimental diabetes via antioxidant effects and MAFA upregulation	Anbumani, S.K. Subramanian, M. Aristotle, S. Kaliyaperumal, P.	2026	Journal of Applied Pharmaceutical Science	10.7324/JAPS.2025.264678	SDG 3
129	GC-MS Metabolite Profiling and Induction of Cell Death by Sphaeranthus amaranthoides Leaf Extracts	Ramalingam, K. Nagarajan, V. Sekar, N. Selvam, C. Rajendran, D. Chinnasamy, A. Balakrishnan, K. Padmanaban, D. Sahayanathan, G.	2026	Journal of Applied Toxicology	10.1002/jat.70026	SDG 3
130	Foodborne Mycotoxins as Molecular and Epigenetic Carcinogens: Biochemical Mechanisms and Toxicological Implications	Kumari, S. Misra, J. Jha, N.K. Kumar, N. Ravi, K. Gupta, R.	2026	Journal of Biochemical and Molecular Toxicology	10.1002/jbt.70794	SDG 3
131	Melatonin-mediated stress signaling in plants: Multilayered networks and translational potential for climate-resilient agriculture	Krishnan, M. Babu, S. Solomon, A.	2026	Journal of Biotechnology	10.1016/j.jbiotec.2026.05.002	SDG 2 SDG 8 SDG 12 SDG 13 SDG 15
132	An advanced fuzzy based multi-layered decision-making system for sustainable carbon emission reduction strategy selection in steel industry	Parthasarathy, T.N. Nagarajan, D. Pamucar, D.	2026	Journal of Cleaner Production	10.1016/j.jclepro.2025.147458	SDG 9 SDG 13
133	Impact of coastal pollution on human health: A comparative study on biochemical profile and microbial diversity of coastal and non-coastal populations in Tamil Nadu, India	Rithi, A.T. Jayachandran, J. Mitra, A. Shanmugam, P. Peace, A. Ilanchorian, D. Banerjee, A. Radhakrishnan, A.K.	2026	Journal of Coastal Conservation	10.1007/s11852-026-01212-7	SDG 3 SDG 14
134	Superwetable surfaces: an effective tool for oil/ water separation	Robert, R.B.J. Wilson, L.A. Magudeaswaran, P. Muthuselvi, M. Hikkur, G.S.	2026	Journal of Coatings Technology and Research	10.1007/s11998-025-01208-2	SDG 14
135	Genetic susceptibility to type 2 diabetes: Insights from a comprehensive meta-analysis of FABP2 polymorphisms	Anilkumar, A.S. Thomas, S.M. Veerabathiran, R.	2026	Journal of Diabetes and Metabolic Disorders	10.1007/s40200-025-01847-7	SDG 3
136	Simulation-based training: Assessment of impact on medical students' performance, confidence in CPR, and patient outcomes-A single-center study	Fathima, J.R. Kumar, K.S. Aarathi, T. Gaayathri, K. Raja, S.	2026	Journal of Education and Health Promotion	10.4103/jehp.jehp_1156_25	SDG 4
137	Harnessing the synergy of ozone and architecturally engineered carbon materials for environmental remediation	Soni, V. Singh, P. Van Le, Q. Nguyen, V.-H. Kaya, S. Hussain, C.M. Raizada, P.	2026	Journal of Environmental Chemical Engineering	10.1016/j.jece.2025.120970	SDG 6
138	Interface-engineered UiO-66-NH ₂ -based S-scheme heterojunction for enhanced solar to chemical conversion	Bhardwaj, A. Malhotra, M. Soni, V. Singh, P. Nguyen, V.-H. Khan, A.A.P. Dang, K.D. Kaya, S. Raizada, P.	2026	Journal of Environmental Chemical Engineering	10.1016/j.jece.2026.122879	SDG 8
139	Decoding Suicide: The Need For Mandatory Psychological Autopsy In India	Monisha, R. Meena, S.K. Meena, P. Sharma, K.	2026	Journal of Forensic Medicine and Toxicology	10.48165/fmt.2026.43.01.04	SDG 3 SDG 10 SDG 16
140	Hybrid molecular catalysts with graphitic carbon nitride: S-scheme strategies for photocatalytic energy conversion and pollutant degradation	Chauhan, R. Sambyal, S. Soni, V. Poonia, K. Raizada, P. Ahamad, T. Nguyen, V.-H. Kumar, N. Singh, P.	2026	Journal of Industrial and Engineering Chemistry	10.1016/j.jiec.2025.09.032	SDG 13
141	Upcycling of Eichhornia crassipes to modified biochar for emerging pollutant (Bisphenol-A) removal: optimization with machine learning and response surface methodology	Dhillayan, D. Bhukat, S. Choudhary, R. Singh, A. Ghotekar, S. Garg, V.K. Kataria, N.	2026	Journal of Industrial and Engineering Chemistry	10.1016/j.jiec.2026.05.020	SDG 6 SDG 9 SDG 12
142	Green Synthesized Vanadium Pentoxide@Graphene Oxide Nanocomposite as a Broad-Spectrum Antibacterial Nanomaterial: Integrated In Vitro and In Silico Investigations	Mahdy, S.A. Al Ameri, M. Yousif, R.H. Hasoon, B.A. Jabir, M.S. Ghotekar, S. Li, D. Swelum, A.A.	2026	Journal of Inorganic and Organometallic Polymers and Materials	10.1007/s10904-026-04354-1	SDG 3
143	Assessment of anatomy learning preferences and their association with academic performance among first-year medical students: a cross-sectional study	Aristotle, S. Jayakumar, S. Ramamoorthy, B.	2026	Journal of Medical Education Development	-	SDG 4

144	Clinical and diagnostic misperception of tuberculosis and systemic fungal infections	Sundaram, K. Rathinam, S. Prabhu, V.	2026	Journal of Medical Mycology	10.1016/j.mycmed.2026.101607	SDG 3
145	Advanced functional spinel ferrite based nanomaterials for targeted wastewater treatment	Sharma, A. Lal, B. Somvanshi, A. Suman Alsayari, A. Wahab, S. Lakshmaiya, N. Ravi, K. Jasrotia, R.	2026	Journal of Molecular Structure	10.1016/j.molstruc.2025.144284	SDG 6 SDG 9 SDG 12
146	Synthesis, characterization, DFT analysis, molecular docking, molecular dynamics, ADMET and anti-breast cancer activity of novel indole-oxadiazole derivatives	Devaraji, M. Thanikachalam, P.V. Rengasamy, K.R.R. Chia, K.-F. Ngai, Z.-N. Mai, C.-W. Cheriyan, B.V.	2026	Journal of Molecular Structure	10.1016/j.molstruc.2025.144629	SDG 3
147	DFT calculations and docking simulation study of (E)-4-fluoro-N'-(diphenyl-dimethylpiperidinylidene) benzhydrazide	Dar, T.A. Balasankar, T. Dar, M.A. Uthrapathy, S. Arularasan, P. Khan, A.A. Mala, N.A. Sangaraju, S.	2026	Journal of Molecular Structure	10.1016/j.molstruc.2026.145887	SDG 3
148	Assessment of Nephroprotective Effect of Ethanolic Leaf Extract of Rubus ellipticus in Adenine-induced Chronic Kidney Disease in Wistar Albino Rats	Ravichandran, K.J. Sukumar, P. Rajaram, R.K. Isaac, J.B. Dhiman, V.K. Kalaichelvan, S. Sivasamy, V.	2026	Journal of Natural Remedies	10.18311/jnr/2026/52769	SDG 3
149	Evaluation of Efficacy and Safety of Aqueous Root Extract of Cannabis sativa for Alcohol Use Disorder (AUD) in Wistar Albino Rats	Vijay, T. Elango, A. Vasudevan, Y. Dhiman, V.K. Kalaichelvan, S. Sundaramoorthy, K. Moorthy, P.E. Radhakrishnan, A.	2026	Journal of Natural Remedies	10.18311/jnr/2026/52768	SDG 3
150	In Vivo Evaluation of Anti-diabetic Activity of Methanolic Extract of Trillium govanianum Rhizome in Wistar Albino Rats	Elango, A. Radhakrishnan, A. Babu, S. Krishnan, M. Raghavan, V. Chauhan, A. Selvaraj, S.	2026	Journal of Natural Remedies	10.18311/jnr/2026/50143	SDG 3
151	Microbiota-driven neuroimmune mechanisms in brain disorders: Microglial activation, cytokine signaling, and translational implications	Misra, J. Bhargav Shreevatsa, K.S. Ravi, K. Abomughaid, M.M. Lakhanpal, S. Gupta, R. Jha, N.K. Kumar, N.	2026	Journal of Neuroimmunology	10.1016/j.jneuroim.2026.578913	SDG 3
152	Assessment of miR-760 expression as a potential diagnostic biomarker in oral squamous cell carcinoma: A RT-PCR study	Kaliamoorthy, S. Balakrishnan, J. Kannan, S. Vinitha, G. Gobu, S. Archana, P.S.	2026	Journal of Oral and Maxillofacial Pathology	10.4103/jomfp.jomfp_131_25	SDG 3
153	Suzetrigine: A First-in-class Nav1.8 Inhibitor for Opioid-free Pain Management	Malarvizhi, B.A.R. Prabath, I. Raja, S. Rani, J.	2026	Journal of Pharmacology and Pharmacotherapeutics	10.1177/0976500X251412549	SDG 3
154	Efficient surface defect engineering in boron nitride for advanced photocatalytic applications: DFT analysis, strategies, and catalytic performance	Kaur, B. Singh, P. Sonu Singh, A. Le, Q.V. Nguyen, V.-H. Khan, A.A.P. Asad, M. Raizada, P. Alzahrani, K.A.	2026	Journal of Physics and Chemistry of Solids	10.1016/j.jpcs.2025.113405	SDG 7 SDG 13
155	Cushing's disease and autoimmune thyroid disorders in women: Impacts on fertility, pregnancy, and menopause	Anilkumar, A.S. Thomas, S.M. Veerabathiran, R.	2026	Journal of Reproductive Immunology	10.1016/j.jri.2026.104870	SDG 3
156	Dual transfer channels in FeCN/ZnSe/V2O5 dual Z-Scheme ternary heterojunctions facilitating efficient degradation of Congo red dye	Sudhaik, A. Kumar, R. Raizada, P. Ahamad, T. Nguyen, N.-T.T. Kaya, S. Katin, K.P. Kumar, N. Nguyen, V.-H. Singh, P.	2026	Journal of Sol-Gel Science and Technology	10.1007/s10971-025-07029-4	SDG 6 SDG 7
157	Sol-gel fabrication of nickel-substituted MnO catalysts for the photodegradation of 2-methoxybenzaldehyde	Katal, D. Kour, G. Somvanshi, A. Suman Malik, A.Q. Raja, V. Ravi, K. Alsayari, A. Wahab, S. Jasrotia, R.	2026	Journal of Sol-Gel Science and Technology	10.1007/s10971-026-07166-4	SDG 6
158	Tailoring Ni-Mg spinel ferrites with gallium doping for enhanced supercapacitor applications	Jasrotia, R. Chaudhary, A.A. Somvanshi, A. Lal, B. Prakash, J. Mahajan, H. Suman Rudayni, A. Ravi, K.	2026	Journal of Sol-Gel Science and Technology	10.1007/s10971-025-07053-4	SDG 9
159	Sol Gel synthesis of highly efficient Mn doped ZnO nanostructures for the effective photocatalytic degradation of organic pollutants	kour, G. katal, D. Somvanshi, A. Lal, B. Malik, A. Raja, V. Ravi, K. Alsayari, A. Wahab, S. Jasrotia, R.	2026	Journal of Sol-Gel Science and Technology	10.1007/s10971-025-07023-w	SDG 6
160	Familial Hypercholesterolemia in a Primigravida with Twin Pregnancy: Clinical Challenges and Successful Outcome	Sankar, S. Kandasamy, V. Mathivanan, S. Vairavan, V.	2026	Journal of South Asian Federation of Obstetrics and Gynaecology	10.5005/jp-journals-10006-2840	SDG 3
161	Lanthanum-based nanomaterials for fluoroquinolone removal from aquatic systems: a critical review	Rana, G. Chauhan, A. Dhiman, P. Dhiman, V.K. Ramachandran, D. Jabir, M. Ghotekar, S.	2026	Journal of the Iranian Chemical Society	10.1007/s13738-025-03322-9	SDG 3 SDG 6

162	A novel approach for triethylamine detection using silver nanoparticles synthesized using <i>Alternanthera sessilis</i> leaf extract	Mohammed, M.A. Satharaj, W.V. Prabakaran, L. Palanisamy, P.V. Pravin, Y.R.	2026	Journal of the Iranian Chemical Society	10.1007/s13738-026-03385-2	SDG 9
163	Manipulating the charge transfer pathway in a dual Z-scheme BiOBr/g-C ₃ N ₄ /V ₂ O ₅ -Al ₂ O ₃ heterojunction toward efficient degradation of textile dyes	Sudhaik, A. Kumar, R. Raizada, P. Ahamad, T. Kaya, S. Nguyen, N.-T.T. Katin, K.P. Kumar, N. Puri, V. Nguyen, V.-H. Singh, P.	2026	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2025.106373	SDG 6
164	Defect-engineered BiO1-xBr/BiO1-xCdS dual S-scheme heterojunction for enhanced photocatalytic cefixime degradation	Chawla, A. Sonu, S. Raizada, P. Ahamad, T. Katin, K. Kaya, S. Thakur, S. Nguyen, N.-T.T. Hu, C. Nguyen, V.-H. Singh, P.	2026	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2026.106635	SDG 3 SDG 6
165	Exploring strategies for enhancing photocatalytic activity of SmVO ₄ -based heterojunctions formation for water purification	Bhardwaj, A. Malhotra, M. Soni, V. Singh, P. Khan, A.A.P. Nguyen, V.-H. Puri, V. Raizada, P.	2026	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2025.106394	SDG 6 SDG 8 SDG 12
166	Engineered pathways toward low-carbon footprint materials for sustainable applications: a review	Kumar, D. Choudhary, M. Mishra, A. Singh, P.P. Dang, K.D. Kumar, A. Sharma, A. Pillai, S. Govender, P.P. Nguyen, V.-H. Narang, J. Shukla, S.K.	2026	Journal of Umm Al-Qura University for Applied Sciences	10.1007/s43994-026-00318-w	SDG 7 SDG 8 SDG 9 SDG 12 SDG 13
167	Facet-engineered MIL-88A1(Fe-MOF)/MoO ₃ Z-scheme heterojunction for enabling efficient peroxymonosulfate-driven photo-degradation of ciprofloxacin: Synergetic performance, DFT calculations and mechanism insights	Mathotra, M. Soni, V. Singh, P. Dinh, D.A. Katin, K.P. Kaya, S. Ahamad, T. Nguyen, V.-H. Raizada, P.	2026	Journal of Water Process Engineering	10.1016/j.jwpe.2026.110173	SDG 6
168	Enhancing antibacterial, antifungal, and anticancer potential of zinc oxide nanorods using <i>Trillium govanianum</i> extract	Kumari, S. Chauhan, A. Dalal, P. Sharma, D. Kulshrestha, S. Batoo, K.M. Verma, R.	2026	Kuwait Journal of Science	10.1016/j.kjs.2026.100575	SDG 3
169	<i>Hygrophila auriculata</i> seed extract mitigates infertility caused by streptozotocin-induced diabetes in Wistar albino rat model	Mylraj, G. Radhakrishnan, A.	2026	Letters in Animal Biology	10.62310/liab.v6i1.299	SDG 3
170	Advancements in Marine Biosensing: Applications and Future Trends	Thomas, S.M. Anilkumar, A.S. Veerabathiran, R.	2026	Marine Microbiomes: Exploring Ecology, Biotechnology, and Environmental Impact	10.1201/9781003509530-16	SDG 14
171	Exploring the Potential of Microbial Bioprospecting for Functional Foods	Jayachandran, J. Das, D. Thangamani, R.A. Radhakrishnan, A. Pathak, S. Banerjee, A.	2026	Marine Microbiomes: Exploring Ecology, Biotechnology, and Environmental Impact	10.1201/9781003509530-13	SDG 9
172	Marine Microbiomes: Exploring Ecology, Biotechnology, and Environmental Impact	Thakur, M. Kaur, T. Pathak, S.	2026	Marine Microbiomes: Exploring Ecology, Biotechnology, and Environmental Impact	10.1201/9781003509530	SDG 14
173	Cosmeceuticals: The Beauty Elixirs from the Deep	Pillatt, A.S. Roy, S. Jain, S.M. Pathak, S. Banerjee, A.	2026	Marine Microbiomes: Exploring Ecology, Biotechnology, and Environmental Impact	10.1201/9781003509530-15	SDG 3 SDG 14
174	Enhanced photocatalytic activity of CuO/TiO ₂ nanocomposites prepared via chemical and green synthesis for wastewater treatment	Pamitha, P. Veni, K.K. Kavitha, R. Suresh, S. Wijaya, K. Nehru, L.C.	2026	Materials Chemistry and Physics	10.1016/j.matchemphys.2026.132450	SDG 6
175	<i>Hibiscus rosa-sinensis</i> flower extract-mediated MnO nanoparticles potentiate cytotoxicity against U87-MG cancer cells	Aggarwal, N. Singh, A. Kumar, R. Ravi, K. Misra, J. Kumar, N.	2026	Materials Letters	10.1016/j.matlet.2026.140596	SDG 3
176	Biogenic ZnO nanoparticles synthesis using <i>Phyllanthus urinaria</i> and its multifaceted bioactivities against infection, inflammation and diabetes mellitus	Sangeetha, S. Krishnamoorthy, K. Panneerselvam, C. Alasmari, A.	2026	Measurement: Food	10.1016/j.measfoo.2025.100267	SDG 3
177	Integrating ChatGPT into knowledge-retrieval tutorials in undergraduate medical education: a prospective evaluation of higher-order learning and feasibility	Daniel, R.A. V, N. BN, S. Daniel, A. R, V.	2026	Medical Education Online	10.1080/10872981.2026.2639203	SDG 3 SDG 4
178	Bio-mediated synthesis of zinc oxide nanoparticles from <i>Crossandra infundibuliformis</i> leaves: A potent inducer of apoptosis in lung cancer cells	Raveendran, A.P. Ravagendran, G. Jayashri, S. Philip, R.R. Vedakumari, W.S. Sankari, D.	2026	Medical Oncology	10.1007/s12032-026-03241-6	SDG 3
179	Combinatorial application of gentamicin and tobramycin causes enhanced antimicrobial action against Methicillin Resistant <i>Staphylococcus aureus</i> : A study with artificial neural network	Roy, R. Chatterjee, A. Trivedi, S. Chakraborty, P. Maity, A. Ganguly, D. Udayakumar, S. Janani, G. Ghosh, M.M. Girigoswami, K. Sarkar, S. Das, S. Paul, P. Sarker, R.K. Malik, M. Tribedi, P.	2026	Microbe (Netherlands)	10.1016/j.microb.2026.100742	SDG 3

180	The mechanistic interplay of reactive oxygen species in metabolic pathways and insulin signaling in type 2 diabetes	Ravi, P.S. Babu, S.	2026	Molecular Biology Reports	10.1007/s11033-025-11246-z	SDG 3
181	Genetic variants of APOE and CCR4 as determinants of myocardial infarction among type 2 diabetes patients: a South Indian case-control analysis	Chandra Sekar, P.K. Govindaraj, A. Veerabathiran, R.	2026	Molecular Biology Reports	10.1007/s11033-026-11489-4	SDG 3
182	Dry reforming of methane to sustainable syngas using next-gen metal-support catalysts: A comprehensive review	Rajput, Y.B. Gandhi, M. Thakar, M. Chaudhary, K.J. Raghav, S. Raghav, J. Jain, P. Ghotekar, S. Patil, Y. Patel, U.P. Kumar, D. Kim, W. Chavda, V.	2026	Molecular Catalysis	10.1016/j.mcat.2026.115964	SDG 7 SDG 9 SDG 13
183	Advances in functional transcriptome analysis of Mycobacterium tuberculosis: a review	Sundaram, K. Rathinam, S.	2026	Molecular Genetics and Genomics	10.1007/s00438-026-02374-7	SDG 3
184	Therapeutic applications of human umbilical cord-derived mesenchymal stem cell secretome in chronic inflammatory diseases and cancer: A recent update	Nethaji, K. Ashiq Shibli, P. Dey, A. Nambidi, S. Banerjee, A. Barbon, S. Pathak, S. Duttaroy, A.K.	2026	Molecular Immunology	10.1016/j.molimm.2026.01.006	SDG 3
185	Bioactive Compounds in Colorectal Cancer Therapy: Emerging Challenges and Future Directions	Ashiq Shibli, P. Pallatt, S. Banerjee, A. Pathak, S.	2026	Molecular Innovations in Cancer: Genomics, Microbiomics Approaches	10.1201/9781003644309-12	SDG 3
186	The Intersection of Oncology and Infectious Diseases in Human Health: The Battle between Pathogens	Anilkumar, A.S. Thomas, S.M. Veerabathiran, R.	2026	Molecular Innovations in Cancer: Genomics, Microbiomics Approaches	10.1201/9781003644309-6	SDG 3 SDG 10 SDG 13
187	Molecular Innovations in Cancer: Genomics, Microbiomics Approaches	Pathak, S. Banerjee, A.	2026	Molecular Innovations in Cancer: Genomics, Microbiomics Approaches	10.1201/9781003644309	SDG 3
188	Dual Dietary Assault: Unraveling the Synergistic Impact of High-Fat and High-Sucrose Intake on Type 2 Diabetes Pathogenesis	Krishnan, M. Babu, S. Rahmathullah, A.	2026	Molecular Nutrition and Food Research	10.1002/mnfr.70346	SDG 3
189	Phytic Acid as a Functional Nutrient: Unraveling its Role in Type 2 Diabetes Management and Obesity Control	Krishnan, M. Babu, S.	2026	Molecular Nutrition and Food Research	10.1002/mnfr.70500	SDG 3
190	Emerging coordination polymer photocatalysts for water splitting: From mechanistic insights and design strategies to application roadmap	Chauhan, A. Kumar, R. Raizada, P. Dang, K.D. Le, Q.V. Khan, A.A.P. Singh, P. Nguyen, V.-H. Sudhaik, A.	2026	Nano Energy	10.1016/j.nanoen.2026.111749	SDG 7
191	Harnessing the anticancer potential of Amphiroa anceps: Folic acid-based liposomal nanocarriers for cancer cell killing in vitro	Janani, G. Girigoswami, A. Deepika, B. Udayakumar, S. Mercy, D.J. Girigoswami, K.	2026	Nanomedicine: Nanotechnology, Biology, and Medicine	10.1016/j.nano.2026.102901	SDG 3
192	From Folk Remedies to Future Formulations: A Review on Phytochemistry, Ethnobotanical Use and Emerging Pharmacological Insights of Teucrium Species	Kimta, N. Sharma, R. Vijayarangan, S. Rajput, V.D. Malik, T.	2026	Natural Product Communications	10.1177/1934578X261444505	SDG 2 SDG 3
193	Global, regional, and national burden of chronic respiratory diseases and impact of the COVID-19 pandemic, 1990–2023: a Global Burden of Disease study	Oh, J. Kim, S. Yim, Y. Kim, M.S. Zyoud, S.H. Zyoud, S.H. Zoghi, G. Zitoun, O.A. Zieľiška, M. Zia, H. Zhumagaliuly, A. Bin Zhu Zhou, J. Zhong, C.C. Zhong, A. Zheng, J. Zhang, Z.-J. Zhang, Y. Zhang, J. Zawiah, M. Zastrozhin, M. Zaki, N. Zakhari, F. Yu, C. Yon, D.K. Kim, M.S. Mokdad, A.H. Zyoud, S.H. Zou, Z. Zoghi, G. Zieľiška, M. Zhumagaliuly, A. Zhu, B. Zhou, X.-D. Zhou, S. Zhong, C.C. Zhong, A. Zhao, H. Zhang, Z. Zhang, Y. Zhang, L. P Zhang, C. Zhang, S. M.M.S. M. Zakhari, M. Zia, H. Zhumagaliuly, A. Zhou, B. Zhou, J. Zhong, C.C. Zhong, A. Zheng, J. Zhang, Z.-J. Zhang, Y. Zhang, J. Zawiah, M. Zastrozhin, M. Zaki, N. Zakhari, F. Yu, C.	2026	Nature Medicine	10.1038/s41591-025-04077-9	SDG 3
194	Global, regional and national burden of ischemic heart disease attributable to suboptimal diet, 1990–2023: a Global Burden of Disease study	Zieľiška, M. Zhumagaliuly, A. Zhu, B. Zhou, X.-D. Zhou, S. Zhong, C.C. Zhong, A. Zhao, H. Zhang, Z. Zhang, Y. Zhang, L. P Zhang, C. Zhang, S. M.M.S. M. Zakhari, M. Zia, H. Zhumagaliuly, A. Zhou, B. Zhou, J. Zhong, C.C. Zhong, A. Zheng, J. Zhang, Z.-J. Zhang, Y. Zhang, J. Zawiah, M. Zastrozhin, M. Zaki, N. Zakhari, F. Yu, C.	2026	Nature Medicine	10.1038/s41591-026-04250-8	SDG 3
195	Author Correction: Global, regional, and national burden of chronic respiratory diseases and impact of the COVID-19 pandemic, 1990–2023: a Global Burden of Disease study (Nature Medicine, (2026), 22, 1–107, 222). 10.1038/s41591-025-04077-9	Oh, J. Kim, S. Yim, Y. Kim, M.S. Zyoud, S.H. Zyoud, S.H. Zoghi, G. Zitoun, O.A. Zieľiška, M. Zia, H. Zhumagaliuly, A. Bin Zhu Zhou, J. Zhong, C.C. Zhong, A. Zheng, J. Zhang, Z.-J. Zhang, Y. Zhang, J. Zawiah, M. Zastrozhin, M. Zaki, N. Zakhari, F. Yu, C.	2026	Nature Medicine	10.1038/s41591-026-04288-8	SDG 3
196	Implications of the molecular toxicity and cytocompatibility by the nano-caged C60 in MCF-7 breast cancer cells: an in vitro study	Biswas, K. Rajendiran, T. Nancy, N. Baskar, N. Sharon, S.M. Kumar, A.S. Girigoswami, A. Girigoswami, K.	2026	Naunyn-Schmiedeberg's Archives of Pharmacology	10.1007/s00210-026-05147-6	SDG 3
197	Toward Subspecialty Training Fellowships in India	Ramesh, V.G.	2026	Neurology India	10.4103/neurol-india.Neurol-India-D-25-00510	SDG 4

198	Evaluating the role of functionalized graphene systems in achieving wastewater treatment: A paradigm for sustainable development	Biswas, K. Kumar, A. Girigoswami, A. Girigoswami, K.	2026	Next Materials	10.1016/j.nxmate.2025.101397	SDG 3 SDG 6 SDG 8
199	Manganese ferrite based materials for wastewater treatment: Mechanisms, performance, and future perspectives	Thakur, A. Nancy Verma, R. Ali, A. Chauhan, A. Thakur, P.	2026	Next Materials	10.1016/j.nxmate.2026.102237	SDG 6 SDG 12
200	Eco-friendly synthesis of Ag/ZnO nanocomposite using Coleus amboinicus: Structural characterization and evaluation of antibacterial and anticancer activities	Surya, M. Mohanta, Y.K. Mohammedsaleh, Z.M. Sankar, M. Panneeriselvam, C. Savariar, V. Saravanan, M.	2026	Next Nanotechnology	10.1016/j.nxnano.2025.100334	SDG 3
201	The Gut Gambit: A Review of How Microbial Imbalance Fuels Metabolic Mayhem	Nunna Sai Venkata, L. Mishra, A.K. Mohanta, Y.K. Rustagi, S. Bahuguna, A. Tomar, A. Baek, K.-H. Mishra, B.	2026	Nutrients	10.3390/nu18060888	SDG 3
202	Comment on "Interest in Treatment with GLP-1 Receptor Agonists for the Management of Insufficient Weight Loss or Weight Regain after Bariatric Surgery"	Sarkar, R. Alluri, G.V.S.M. Borah, S.	2026	Obesity Surgery	10.1007/s11695-025-08470-8	SDG 3
203	GC-MS profiling, anticancer activity of Moringa oleifera Lam. hydroalcoholic fruit extract against colorectal cancer cells, and In Silico targeting of BRAF in the serrated pathway	Devaraji, M. Thanikachalam, P.V. Mohamed Ishaq, H. Vidhya Varshini, D. Ramesh, K. Ramaswamy, K.R.	2026	Pharmacological Research - Natural Products	10.1016/j.prenap.2026.100524	SDG 3
204	Liver X receptors as precision therapeutic targets: Redefining metabolic and inflammatory interventions	Babu, S. Krishnan, M.	2026	PharmaNutrition	10.1016/j.phanu.2026.100483	SDG 3
205	Green Synthesis of Copper-Doped ZnO Nanoparticles Using Calendula officinalis Flower Extract: Comprehensive Characterization, Biocompatibility, and Anticancer Evaluation	Suraneni, D. Deepika, B. Mahadevan, K.J. Raghupathy, S. Pandiarajan, S. Jessy Mercy, D. Girigoswami, A. Metkar, S.K. Hansda, S. Girigoswami, K.	2026	Physchem	10.3390/physchem6010001	SDG 3 SDG 9
206	A molecular perspective on cardioprotective potential of Moringa oleifera Lam. and its nano-formulations	Thanikachalam, P.V. Mallapu, P. Dhalapathy, V.V. Hydar, M.J. Ramesh, K. Ramamurthy, S. Bharathy, P.	2026	Phytomedicine	10.1016/j.phymed.2026.157867	SDG 3
207	Enhancing tuberculosis care in the private sector: Role of innovative private sector engagement model under programmatic settings in India	Gupta, S. Rao, R. Soundappan, K. Mehta, K. Shanmugasundaram, S. Singh, A.R. Verma, H. Mathur, A. Joshi, R.P. Ravichandran, P. Singh, U.B.	2026	PLOS Global Public Health	10.1371/journal.pgph.0006333	SDG 3
208	Bio-waste derived fluorescent carbon dots based biodegradable mechanically strong hydrogel for stimuli-responsive nonsteroidal anti-inflammatory drug (NSAID) delivery	Matalqah, S.M. Singamaneni, V.R. Jahnavi, P. Hani, U. Fatima, F. Vodeti, R. Gupta, P.S. Duza, M.B. Amin, M.A.	2026	PLOS ONE	10.1371/journal.pone.0340974	SDG 12
209	Synthesis, structural characterization, theoretical insights, and antibacterial potential of a new Hg(II)-adenine complex	Farhana, A. Nath, S. Deb, V.K. Baidya, N. Butcher, R.J. Banerjee, A. Sen, T. Kanmazalp, S.D. Adhikari, S.	2026	Polyhedron	10.1016/j.poly.2026.118063	SDG 3
210	Nanotechnology-Based Drug Delivery Systems: Advances and Challenges	Babu, S. Ravi, P.S.	2026	Polymers for Advanced Technologies	10.1002/pat.70563	SDG 3 SDG 9
211	Sustainable Optimization of Multi-product Textile Manufacturing: a Hybrid Delayed Differentiation and Multi-delivery Approach with Financing, Effluent Treatment, and Zero-waste Integration	Sugapriya, C. Bharathi, L.D. Deivanayagampillai, N.	2026	Process Integration and Optimization for Sustainability	10.1007/s41660-026-00740-x	SDG 6 SDG 8 SDG 9
212	A Study on the Potential of Curcumin in Proliferation and Apoptosis of SW480 and SW620 Colon Cancer Cell Lines	Dey, A. Jain, S.M. Nambidi, S. Marotta, F. Sharma, N.R. Pathak, S. Thakkar, N. Banerjee, A.	2026	Regenerative Engineering and Translational Medicine	10.1007/s40883-025-00437-6	SDG 3
213	Artificial intelligence-driven and prediction of green biohydrogen derived from microalgae biorefinery: A review	Ramandani, A.A. Lan, J.C.-W. Lim, J.W. Lay, C.-H. Srimongkol, P. Srinuapan, S. Khoo, K.S.	2026	Renewable and Sustainable Energy Reviews	10.1016/j.rser.2025.116118	SDG 7 SDG 13
214	Different MicroRNAs expression in Mycobacterium tuberculosis and correlation with prognosis of the disease	Sundaram, K. Rathinam, S.	2026	RNA Biology	10.1080/15476286.2025.2609681	SDG 3
215	Overcoming multidrug resistance Acinetobacter baumannii via downregulated virulence factor genes by green fabricated silver Nanoparticles mediated Piper nigrum	Mahmood, B.S. Hussein, Y.A. Ahmed, H.M. Faisal, A.J. Jabir, M.S. Taha, B.A. Ghotekar, S. Balasubramanian, B. Swelum, A.A.	2026	Scientific Reports	10.1038/s41598-026-43469-w	SDG 3

216	Protein Kinases as Therapeutic Targets in Neurodegenerative Diseases	Achwani, S.R. Dabburu, K. S. S. Ghosh, S. Naveen, A. Vasanthi, R.K. Praba, M.A. Chakraborty, T. I, A.	2026	Shahroud Journal of Medical Sciences	10.22100/ijhs.v12i3.1428	SDG 3
217	Developments, challenges, and opportunities for nano-laden absorber coatings and black paints for solar energy harvesting	Manickam, R. Munuswamy, D.B. Munuswamy, N.B. Nagarajan, D. Devarajan, Y. Priya, S.L. Jayabal, R.	2026	Solar Energy	10.1016/j.solener.2026.114487	SDG 7 SDG 9 SDG 13
218	Heterojunction-engineered Bi2SiO5 photocatalysts for sustainable CO2 conversion and environmental remediation	Verma, G. Kaur, B. Singh, P. Khan, A.A.P. Nguyen, V.-H. Gautam, S. Sudhaik, A. Raizada, P.	2026	Surfaces and Interfaces	10.1016/j.surfin.2026.109122	SDG 8 SDG 13
219	Multifunctional silver nanoparticles-based composites for SERS detection and photocatalytic degradation of micro- and/or nano-plastics	Ly, N.H. Kamyab, H. Vasseghian, Y. Joo, S.-W.	2026	Sustainable Materials and Technologies	10.1016/j.susmat.2026.e01887	SDG 3 SDG 6
220	Updated trends in the global prevalence and burden of mental disorders, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023	Santomauro, D.F. et al.	2026	The Lancet	10.1016/S0140-6736(26)00519-2	SDG 10
221	Quantifying the fatal and non-fatal burden of disease associated with child growth failure, 2000–2023: a systematic analysis from the Global Burden of Disease Study 2023	Troeger, C.E. et al.	2026	The Lancet Child and Adolescent Health	10.1016/S2352-4642(25)00303-7	SDG 2 SDG 3
222	Global burden of lower respiratory infections and aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023	Sirota, S.B. et al.	2026	The Lancet Infectious Diseases	10.1016/S1473-3099(25)00689-9	SDG 3
223	Global, regional, and national burden of meningitis, its risk factors, and aetiologies, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023	Sirota, S.B. et al.	2026	The Lancet Neurology	10.1016/S1474-4422(26)00101-8	SDG 3
224	Global, regional, and national burden of breast cancer among females, 1990–2023, with forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2023	Bhangdia, K. et al.	2026	The Lancet Oncology	10.1016/S1470-2045(25)00730-2	SDG 3 SDG 10
225	Burden of chronic respiratory disease in Asia, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023	Jo, H. et al.	2026	The Lancet Respiratory Medicine	10.1016/S2213-2600(25)00404-7	SDG 3 SDG 7 SDG 10
226	Insights on molecular mechanisms of chemoresistance in cervical cancer	Elangovan, M. Jain, S.M. Rafi, S.T.M. Thakkar, N. Ramachandran, I. Pathak, S. Banerjee, A.	2026	The Resistance of Cervical Cancer to Chemotherapy and its Reversal	10.1016/B978-0-443-22352-5.00015-6	SDG 3
227	Manipulating Functional Structures of Transition-Metal Dual-Atom Catalysts for Photocatalytic Nitrogen Fixation: A Review	Chawla, A. Sonu Kumar, R. Sudhaik, A. Poonia, K. Raizada, P. Dang, K.D. Ahamad, T. Khan, A.A.P. Van Le, Q. Nguyen, V.-H. Singh, P.	2026	Transactions of Tianjin University	10.1007/s12209-026-00485-1	SDG 7
228	Chitin and Chitosan Production from Black Soldier Fly Larvae (Hermetia illucens) as Bioresource: Current Progress, Applications, Challenges and Way Forwards	Liew, C.S. Lock, S.S.M. Mhd Yusof, S.M. Rawindran, H. Mong, G.R. Lim, J.W. Manogaran, M.D. Suparmaniam, U.	2026	Waste and Biomass Valorization	10.1007/s12649-025-03175-6	SDG 6 SDG 12
229	Unpacking the Paradox: Biodegradable Plastics as a Double-Edged Sword in Environmental Pollution	Yadav, S. Kumar, A. Selvaraj, M. Assiri, M.A. Gotekar, S. Kataria, N.	2026	Water, Air, and Soil Pollution	10.1007/s11270-026-09538-6	SDG 2 SDG 13
230	Screening and Evaluation of Dental and Systemic Risk Factors for Obstructive Sleep Apnea: A Cross-sectional Study	Vaidhyalingam, T. Anbarasu, P. Padmanaban, S.A. Padmanaban, R. Dinesh, S. Subramanian, S.K.	2026	World Journal of Dentistry	10.5005/jp-journals-10015-2752	SDG 3
231	Anticancer effects of biomimetic green-synthesized silver nanoparticles coated lactobacilli species against various cancer cell lines	Pandiarajan, S. Udayakumar, S. Janani, G. Mercy, D.J. Deepika, B. Thirumalai, A. Girigoswami, A. Jeyaraj, P. Girigoswami, K.	2025	3 Biotech	10.1007/s13205-025-04393-4	SDG 3
232	Recent advances in nanomedicine for the diagnosis and therapy of thyroid disorders	Sahare, P. Ruiz-Manriquez, L.M. Anguiano, B. Banerjee, A. Pathak, S. Duttaroy, A.K. Luna-Bárcenas, G. Paul, S.	2025	3 Biotech	10.1007/s13205-025-04234-4	SDG 3
233	Integrated production and protein–protein docking analysis of L-methionase from Klebsiella oxytoca for enzyme-based anticancer therapy via methionine starvation and epigenetic modulation	Sharma, B. Chauhan, V. Dhiman, V.K. Kumar, R. Mahajan, G. Singh, S. Sashi, K. Kashwal, A. Kanwar, S.S.	2025	3 Biotech	10.1007/s13205-025-04501-4	SDG 3

234	Curriculum check, 2025—equipping radiology residents for AI challenges of tomorrow	Venugopal, V.K. Kumar, A. Tan, M.O. Szarf, G.	2025	Abdominal Radiology	10.1007/s00261-025-05016-5	SDG 3 SDG 4
235	Recent Plasmonic Gold- and Silver-Assisted Raman Spectra for Advanced SARS-CoV-2 Detection	Ly, N.H. Choo, J. Gnanasekaran, L. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2025	ACS Applied Bio Materials	10.1021/acssabm.4c01457	SDG 3
236	Radiopaque Silk Sericin Nanoparticles for Computed Tomography Imaging of Solid Tumors	Bhoopathy, J. Vedakumari, S.W. Pravin, Y.R. Prabhu, A.D.	2025	ACS Applied Bio Materials	10.1021/acssabm.5c00230	SDG 3
237	Green Route to the Synthesis of Synergic 4f(Re)–3d(TM) Heterobimetallic CeCoCH Nanorice for Robust Industrially Relevant Water Splitting	Akshy, T. Ajith, T. Umopathy, K. Raj Kumar, M. Jayabharathi, J.	2025	ACS Applied Materials and Interfaces	10.1021/acssami.5c17324	SDG 7
238	Next-Generation Wastewater Treatment with Emerging 2D MOF-Derived Photocatalysts	Thakur, N. Panwar, A. Soni, V. Raizada, P. Singh, P. Khan, A.A.P. Nguyen, V.-H. Nguyen, C.C. Yang, S.J. Le, Q.V. Kim, H. Sonu, S.	2025	ACS Omega	10.1021/acsomega.5c08223	SDG 6
239	Coordination Engineering of Gloves-C, Mn, and Co-Based (Co-Mn)–O–C to Promote Electrochemical–/Solar Energy-Driven Water Splitting with Regenerative Efficiencies	Akshy, T. Ajith, T. Thiruvengadam, D. Raj kumar, M. Jayabharathi, J.	2025	ACS Sustainable Chemistry and Engineering	10.1021/acssuschemeng.5c06513	SDG 7 SDG 11 SDG 12
240	Nanoformulated Pesticides for Sustainable Farming and Food Security	Girigoswami, K. Durgadevi, P. Girigoswami, A.	2025	ACS Symposium Series	10.1021/bk-2025-1509.ch005	SDG 2 SDG 8 SDG 12
241	Natural polymer derivative-based pH-responsive nanoformulations with entrapped diketo-tautomers of 5-fluorouracil for enhanced cancer therapy	Thirumalai, A. Girigoswami, K. Harini, K. Kiran, V. Durgadevi, P. Girigoswami, A.	2025	ADMET and DMPK	10.5599/admet.2554	SDG 3
242	Lipid functionalized silver-coated carbon dot-capped manganese ferrite as drug-free core-shell nanoparticles for multimodal imaging and therapy	Thirumalai, A. Durgadevi, P. Kiran, V. Girigoswami, K. Prabhu, A.D. Girigoswami, A.	2025	ADMET and DMPK	10.5599/admet.2905	SDG 3
243	Ruthenium-doped metal-organic frameworks for green hydrogen generation on a glassy carbon electrode by enhanced electrochemical water splitting	Bui, V.D. Dao, T.P. Vu, T.H. Vu, V.T. Gnanasekaran, L. Vasseghian, Y. Joo, S.-W.	2025	Advanced Composites and Hybrid Materials	10.1007/s42114-024-01091-2	SDG 7
244	A Novel Co3Se4-CNFs Hybrid System as a Versatile Enhancer for Pd NPs Toward Ethylene Glycol Electrooxidation	Mathews, T. Dolla, T.H. Mohamed, R. Yusuf, T.L. Chabalala, P. Agwamba, E.C. Doyle, B.P. Carleschi, E. Malepe, L. Maxakato, N.W.	2025	Advanced Materials Interfaces	10.1002/admi.202500475	SDG 7
245	Unlocking the non-covalent electrostatic engineering of photocatalysts: From molecular interactions to multifield tuning strategies toward enhanced charge dynamics	Kumar, R. Malhotra, M. Sudhaik, A. Raizada, P. Luu, X.-C. Parwaz Khan, A.A. Thakur, S. Ahamad, T. Nguyen, V.-H. Singh, P.	2025	Advanced Powder Materials	10.1016/j.apmate.2025.100338	SDG 7
246	Dual-Function Piezo-Photocatalytic Systems for Sustainable Hydrogen Evolution and Environmental Remediation	Hoàng Ly, N. Son, S.J. Kamyab, H. Vasseghian, Y. Joo, S.-W.	2025	Advanced Science	10.1002/advs.202513811	SDG 7 SDG 13
247	Unveiling cutting-edge developments in defective BiOI nanomaterials: Precise manipulation and improved functionalities towards bolstered photocatalysis	Soni, V. Malhotra, M. Singh, A. Khan, A.A.P. Kaya, S. Katin, K. Van Le, Q. Nguyen, V.-H. Ahamad, T. Singh, P. Raizada, P.	2025	Advances in Colloid and Interface Science	10.1016/j.cis.2025.103467	SDG 7 SDG 13
248	Effect of selected acupuncture points on lung functions and inflammatory markers in patients with asthma – An interventional study	Sasikumar, S. Jagadeesan, T. Choudhary, A.K. Loganathan, S. Venugopal, V. Bincy, K. Kuppusamy, M.	2025	Advances in Integrative Medicine	10.1016/j.aimed.2025.100573	SDG 3
249	Transforming paperwork with AI: applications across healthcare and other industries	AlJnainati, M. Jnainati, J.A. Rath, S. Aujla, S. Nasir, E. Govindarajan, A. Samantaray, Y. Semy, M.	2025	AI and Society	10.1007/s00146-025-02380-0	SDG 9
250	Artificial Intelligence-Enabled Single-Cell Resolution and Spatial Plant Multi-omics	Babu, H.E.S. Manoj, M. Pallavi, P. Girigoswami, A. Girigoswami, K. Gowtham, P. Robert, A.A. Anand, A.V.	2025	AI-Enhanced Plant Omics	10.1079/9781800628649.0005	SDG 9
251	Application of artificial intelligence in smart buildings	Yogapriya, G. Subramanian, C.V. Prakash, K.A.	2025	AIP Conference Proceedings	10.1063/5.0247215	SDG 9

252	Multiple radiations and its effect on biological system—a review on in vitro and in vivo mechanisms	Balasubramanian, D. Agraharam, G. Girigoswami, A. Girigoswami, K.	2025	Annals of Medicine	10.1080/07853890.2025.2486595	SDG 3
253	Evaluating the expression level of serum interleukin-2, lipoarabinomannan and circulating MicroRNA-29a as diagnostic biomarkers for pulmonary and extra-pulmonary tuberculosis: a pilot study.	Adhikary, S. Leo, S. Banerjee, A. Pathak, S. Narasimhan, M. Rathinam, S.	2025	Annals of Medicine	10.1080/07853890.2025.2527949	SDG 3
254	MicroRNA-122 overexpression suppresses the colon cancer cell proliferation by downregulating the astrocyte elevated gene-1/metadherin oncprotein	Malayaperumal, S. Sriramulu, S. Jothimani, G. Banerjee, A. Zhang, H. Mohammed Rafi, S.T. Ramachandran, I. NR, R.K. Sun, X.-F. Pathak, S.	2025	Annals of Medicine	10.1080/07853890.2025.2478311	SDG 3
255	The Potential Role of Marine Seaweeds in the Management of COVID-19	Sneha, R. Akshaya, P. Balaji, E. Robert, A.A. Velayuthaprabhu, S. Shenbagam, M. Abhirami, P. Anand, A.V.	2025	Anti-Coronavirus Marine Bioactive Compounds	10.1201/9781003638018-10	SDG 3
256	Enhanced Bone Fracture Detection through Deep Learning-Based Multi-Scale Feature Fusion	Sushma, K. Valli Priyadarshini, K. Chandrakata, V. Gunasundari, B. Macherla, H. Ranjith, K.	2025	APCI 2025 - 2025 International Conference on Advancements in Power, Communication and Intelligent Systems	10.1109/APCI65531.2025.11137192	SDG 3
257	Phytomediated Copper Oxide Nanoparticles Derived from the Fronds of Adiantum venustum D.Don: Evaluation of their Biomedical Potential	Kimta, N. Chauhan, A. Puri, S. Kumar, A. Sharma, R. Kumar, A. Kapoor, D.	2025	Applied Biochemistry and Biotechnology	10.1007/s12010-024-05031-0	SDG 3
258	Integrating 3D-printed Mo2CTx-UiO-66@RGQDs nanocatalysts with semiconducting BIVO4 to improve interfacial charge transfer and photocatalytic degradation of atrazine	Bui, V.D. Tran, T.P.A. Vu, T.H. Dao, T.P. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2025	Applied Catalysis B: Environmental	10.1016/j.apcatb.2024.124924	SDG 6
259	Metal-free defects in 2D Nanocarbons toward photocatalytic processes: Revolutionizing solar-to-energy conversion	Poonia, K. Soni, V. Sonu Singh, P. Chaudhary, V. Thakur, S. Nguyen, V.-H. Le, Q.V. Raizada, P.	2025	Applied Energy	10.1016/j.apenergy.2024.125195	SDG 7 SDG 12
260	Bioactive properties of protein hydrolysate from Arthrospira (Spirulina) platensis: A review	Htoo, N.Y.M. Kaewkod, T. Buncharoen, W. Pekkoh, J. Tragoolpua, Y. Chaipoot, S. Khoo, K.S. Cheirsilp, B. Pumas, C. Srinuanpan, S.	2025	Applied Food Research	10.1016/j.afres.2025.101245	SDG 3
261	Bio-fabrication of zinc oxide nanoparticles from Jasminum sambac (L.) Aiton leaves and their apoptosis-inducing effects on lung cancer cells: an in vitro study	Raveendran, A.P. Ravichandran, R. Seetharaman, J. Philip, R.R. Weslen Vedakumari, S. Sankari, D.	2025	Applied Nanoscience (Switzerland)	10.1007/s13204-025-03123-9	SDG 3
262	STUDY THE EFFECT OF SERUM CHEREMIN IN TYPE II DIABETES MELLITUS PATIENTS WITH AND WITHOUT DIABETIC RETINOPATHY	Chakkarai, K. Gopalakrishnan, S. Prabha, T. Palaksha, D.	2025	Asian Journal of Pharmaceutical and Clinical Research	10.22159/ajpcr.2025v18i11.56883	SDG 3
263	Therapeutic potential of Moringa oleifera Lam. in metabolic disorders: A molecular overview	Thanikachalam, P.V. Ramesh, K. Hydar, M.I. Dhalapathy, V.V. Devaraji, M.	2025	Asian Pacific Journal of Tropical Biomedicine	10.4103/apjtb.apjtb_114_25	SDG 3
264	Naringenin nanoparticles show anti-angiogenic activity in HUVECs and a chick chorioallantoic membrane model and anticancer activity in MCF-7 cells	Yasam, S.K. Subbaraj, G.K. Vijay, D.	2025	Asian Pacific Journal of Tropical Biomedicine	10.4103/apjtb.apjtb_178_25	SDG 3
265	Technological Innovations and Multi-Omics Approaches in Cancer Research: A Comprehensive Review	Velmurugan, S. Wankhar, D. Paramasivan, V. Subbaraj, G.K.	2025	Biocell	10.32604/biocell.2025.065891	SDG 3
266	Risk of Cardiovascular Complications Among Type 2 Diabetes Mellitus Patients with GSTP1 Genetic Polymorphism: A Nested Case–Control Study and Docking Studies	Sobha, S.P. Sankar, J. Muthusamy, K. Kesavarao, K.E.	2025	Biochemical Genetics	10.1007/s10528-024-10823-4	SDG 3
267	Association of MnSOD, CAT, and GPx1 Gene Polymorphism with Risk of Diabetic Nephropathy in South Indian Patients: A Case–Control Study	Begum, F. Lakshmanan, K.	2025	Biochemical Genetics	10.1007/s10528-024-10910-6	SDG 3
268	Current contributions of microalgae in global biofuel production; cultivation techniques, biofuel varieties and promising industrial ventures	Nashath, F.Z. Ng, Y.J. Khoo, K.S. Show, P.L.	2025	Biomass and Bioenergy	10.1016/j.biombioe.2025.108092	SDG 2 SDG 7 SDG 8 SDG 9 SDG 12 SDG 13
269	Biosynthesis of SnO2 nanoparticles using roselle(Hibiscus sabdariffa L.) flower extracts photocatalyst for biodiesel production from waste cooking oil	Utami, M. Fauziya Salwa, I. Kurnia Amin, A. Waqas Alam, M. Chandrasekaran, M. Ravi, K. Ovi, D. Chang, S.W. Ravindran, B.	2025	Biomass and Bioenergy	10.1016/j.biombioe.2025.108314	SDG 7

270	Jackfruit waste for the production of sustainable biorefinery products: a step towards bio-economic advancement	Chakraborty, A. Panda, J. Mishra, A.K. Sivakumar, S. Srinivasan, L.V. Nongbet, A. Mohanty, S.S. Rustagi, S. Nath, P.C. Wagh, M.S. Mohanta, Y.K.	2025	Biomass Conversion and Biorefinery	10.1007/s13399-024-05954-y	SDG 7 SDG 8 SDG 9 SDG 12 SDG 13
271	Conversion of lignocellulosic biomass waste into mycoprotein: current status and future directions for sustainable protein production	Ng, Z.Y. Kee, P.E. Abdullah, R. Lan, J.C.-W. Ling, T.C. Jiang, J.-J. Lim, J.W. Khoo, K.S.	2025	Biomass Conversion and Biorefinery	10.1007/s13399-024-06130-y	SDG 2 SDG 8 SDG 12 SDG 15
272	Green synthesis of nickel ferrite nanoparticles using <i>Erythrina variegata</i> for photocatalytic degradation of malachite green dye under visible light irradiation	Kavitha, R. Veni, K.K. Susanti, D. Sagadevan, S. Nehru, L.C.	2025	Biomass Conversion and Biorefinery	10.1007/s13399-025-06698-z	SDG 6
273	Exploring algae-based biochar strategies for adsorptive removal of antibiotics: a green leap towards environmental sustainability	Quang, H.H.P. Dinh, N.T. Nguyen, P.K.T. Nguyen, V.-H.	2025	Biomass Conversion and Biorefinery	10.1007/s13399-025-06750-y	SDG 3 SDG 6
274	Green synthesis of copper oxide and titanium dioxide nanoparticles using <i>Santalum album</i> leaf extract for enhanced wastewater treatment	Pamitha, P. Veni, K.K. Kavitha, R. Agalya, S. Susanti, D. Sagadevan, S. Nehru, L.C.	2025	Biomass Conversion and Biorefinery	10.1007/s13399-024-06332-4	SDG 3 SDG 6
275	Microbial fermentation of food waste for lactic acid production and its conversion to polylactic acid using melt polycondensation method	Swetha, T.A. Bora, A. Wang, M. Zheng, M. Song, D.-P. Zhang, K. Jaffer, S.S. Balaji, P. Nguyen, V.-H. Arun, A.	2025	Biomass Conversion and Biorefinery	10.1007/s13399-025-06901-1	SDG 3 SDG 9 SDG 13
276	Perivascular Adipose Tissue: Implications for Cardiometabolic Diseases	Nadendla, R.R. Settipalli, S. Bagchi, S. Das, G. Chakraborty, T. Hasan, T. Dabburu, K. Kannaiyan, S.P.	2025	Biomedical and Pharmacology Journal	10.13005/bpj/3213	SDG 3
277	Development of Polyethylene Glycol-Coated CuO Nanocomposites for Enhanced Antioxidant, Antibacterial, Biocompatible and Anticancer Activities	Rajkumar, M. Davis Presley, S.I. Girigoswami, K. Sasireka, A. Kamaraj, C. Udayakumar, S. Deepak, P.	2025	Biomedical Materials and Devices	10.1007/s44174-025-00623-8	SDG 3
278	The Potential of Stem Cells in the Treatment of Diabetes: An Up-to-Date Review	Sadhu, S. Sarkar, B. Paul, T. Sanyal, T. Mitra, A. Madhu, N.R.	2025	Biomedical Research and Therapy	10.15419/m7mc9595	SDG 3 SDG 9
279	Trimethylamine N-Oxide (TMAO) and cancer risk: Insights into a possible link	Saha, B. Banerjee, A. Pathak, R. Duttaroy, A.K. Pathak, S.	2025	Biomedicine and Pharmacotherapy	10.1016/j.biopha.2025.118592	SDG 3
280	A critical review of the synergistic potential of targeting p53 and CAR T cell therapy in cancer treatment	Ashique, S. Debnath, B. Ramzan, M. Taj, T. Islam, A. Chaudhary, P. Kaushik, M. Garg, A. Sen, A. Raveendran, C. Hussain, M.S. Anbiaee, R. Taghizadeh-Hesary, F.	2025	Biomedicine and Pharmacotherapy	10.1016/j.biopha.2025.118308	SDG 3
281	Unveiling the Role of Nanogels as an Innovative Drug Delivery in Hepatocellular Carcinoma Therapy: an Updated Review	Selvaraj, S. Subbarayan, R. Ghotekar, S. Chauhan, A.	2025	BioNanoScience	10.1007/s12668-025-01946-y	SDG 3
282	A Sustainable Green Synthesis of Graphene Quantum Dots Using Groundnut and Medicago sativa Oil Cakes for Biomedical Applications	S, G.D.T.R. Vijaya, J.J. J, J.F.	2025	BioNanoScience	10.1007/s12668-025-02072-5	SDG 3 SDG 9 SDG 12
283	Unraveling the Mechanistic Approaches in the Bio-inspired Synthesis of NiO Nanoparticles and Their Diverse Applications—A Review	Patil, M. Patel, K. Abhale, Y. Rana, G. Alam, M.W. Kumar, A. Jabir, M. Adole, V. Rahdar, A. Ghotekar, S.	2025	BioNanoScience	10.1007/s12668-025-02076-1	SDG 3
284	Renewable Energy Technologies Derived from Bio-inspired Nanomaterials	Dar, M.A. Majid, S.R. Rather, H.A. Siva, C. Rather, A.A. Arularasan, P. Mahmoud, S.A. Amin, L.G.	2025	BioNanoScience	10.1007/s12668-025-02199-5	SDG 7
285	Polydopamine-Based Nanomaterials For Multifunctional Cancer Therapy	Thirumalai, A. Girigoswami, K. Bose, D. Girigoswami, A.	2025	BioNanoScience	10.1007/s12668-025-02180-2	SDG 3
286	Advancements in Exemestane-Loaded Nanocarriers For Targeted Breast Cancer Therapy: A Comprehensive Review	Talebibidhendi, N. Pourmadadi, M. Yazdian, F. Rashedi, H. Rahdar, A. Ghotekar, S.	2025	BioNanoScience	10.1007/s12668-025-02176-y	SDG 3
287	Unveiling the Role of Mesalamine-Loaded Nanocarriers for Advanced Targeted Cancer Treatment	Arshad, R. Shirzad, M. Rahdar, A. Kharaba, Z. Firoozjae, A.A. Ghotekar, S.	2025	BioNanoScience	10.1007/s12668-025-01961-z	SDG 3

288	Recent Progress in Active AI-Driven Navigation and pH-Triggered Release for Transformative Respiratory Nanomedicine	Khan, I. Arshad, S. Aman, W. Barkat, K. Kousar, S. Bibi, M. Mansoor, A. Arshad, R. Rahdar, A. Ghotekar, S.	2025	BioNanoScience	10.1007/s12668-025-02197-7	SDG 3
289	Scaffold-Based 3D Cultures in Cancer Research: Insights on Colorectal Cancer	Nethaji, K. Dey, A. Esmeeta, A. Das, A. Bisgin, A. Banerjee, A. Pathak, S.	2025	Biotechnological Innovation and Sustainable Developmental Goals: Fostering Good Health and Wellbeing	10.1201/9781032660592-13	SDG 3
290	A Novel Approach to Anticancer Research: Nonmammalian Models for Drug Development	Iyshwarya, B.K. Veerabathiran, R.	2025	Biotechnological Innovation and Sustainable Developmental Goals: Fostering Good Health and Wellbeing	10.1201/9781032660592-26	SDG 3
291	Reproductive Health and Biotechnological Innovations	Thomas, S.M. Veerabathiran, R.	2025	Biotechnological Innovation and Sustainable Developmental Goals: Fostering Good Health and Wellbeing	10.1201/9781032660592-20	SDG 3
292	Mesenchymal Stem Cells and Their Exosomes: Emerging Therapeutics in Cancer Treatment	Keerthi, N. Dey, A. Farhana, A. Banerjee, A. Pathak, S.	2025	Biotechnological Innovation and Sustainable Developmental Goals: Fostering Good Health and Wellbeing	10.1201/9781032660592-11	SDG 3
293	Upcycling food waste for microalgae cultivation toward lipid production in a closed-loop and system-integrated circular bioeconomy	Wu, G. Chong, J.W.R. Khoo, K.S. Tang, D.Y.Y. Show, P.L.	2025	Biotechnology for Biofuels and Bioproducts	10.1186/s13068-025-02679-6	SDG 7 SDG 8 SDG 9 SDG 12 SDG 13
294	Role of Probiotics	Kumari, D. Madan, A. Chaudhary, P. Janmeda, P.	2025	Biotics and the Gut-Brain Axis in Neurological Disorders	10.1201/9781003536802-15	SDG 3
295	Missed opportunities for detection of hypertension in public health facilities of 18 districts in India, 2022	Kavipravin, M. Hamalingam, A. Varghese, A. Vashishtha, A. Parihar, D.S. Singla, I. Mitra, J. Johal, K.K. Nimsatkar, M.B. Mahadiq, M.M. Mohd, M. Shukla, P. Gupta, R. N, R. Oommen, R.C. Bharadwaj, B. Gill, S.S. KN, S. Chandakar, S.K. Dhunna	2025	BMC Public Health	10.1186/s12889-025-22284-4	SDG 3
296	Orbital cellulitis presenting as persistent fever in a neonate after inappropriate caregiving practices	Shyamini, S. Devi, U. Sethuraman, G.	2025	BMJ Case Reports	10.1136/bcr-2025-267485	SDG 3
297	De novo myeloid sarcoma of the oral cavity in early adolescence: an uncommon presentation with severe congenital neutropenia	Jayakumar, N.K. Munirathnam, D. Sivasankaran, M. Niranjana, G.H. Veerabahu, R. Sundararajan, M.	2025	BMJ Case Reports	10.1136/bcr-2024-264041	SDG 3
298	Polyploid giant cancer cells: Unveiling a latent axis of resistance and tumor evolution in HER2-targeted therapy	Krishnan, M. Babu, S.	2025	Cancer Letters	10.1016/j.canlet.2025.217998	SDG 3
299	4-Phenylbutyric Acid Reduces the Proliferation in Colon Cancer Cell Lines Through Modulating the Cell Cycle Regulatory Genes: An In Silico and In Vitro Approach	Deka, D. Das, A. Baildya, N. Nagainallur Ravichandran, S. Pathak, S. Banerjee, A. Duttaroy, A.K.	2025	Cancer Reports	10.1002/cnr.2.70352	SDG 3
300	Optotheranostics for cancer	Prasad, R. Chitgupi, U. Metkar, S.K. Lovell, J.F.	2025	Cancer Theranostics, Second Edition	10.1016/B978-0-443-22253-5.00030-3	SDG 3
301	RUVBL1: A promising prognostic indicator for HPV-associated oral squamous cell carcinoma	Babu, S. Krishnan, M.	2025	Cancer Treatment and Research Communications	10.1016/j.ctarc.2025.101024	SDG 3
302	Affinity of rhizobacterial chitinases towards chitin polymers from shrimp exoskeleton and fungal cell wall: Optimization for effective biocontrol potentials	Karuppiyah, V. Senthil Kumar, P.K. Kathiresan, N. Ravindran, B. Chang, S.W. Mani, R.R. Ravi, K. Thangavel, K.	2025	Carbohydrate Polymer Technologies and Applications	10.1016/j.carpta.2025.100959	SDG 2
303	Enhanced selective Cu(II) detection using a high-performance EDTA/PVA/MWCNT-modified carbon paste electrode	Perangin Angin, Y.A. Wijaya, K. Trisunaryanti, W. Sari, R.M. Destiarti, L. OH, W.-C. Kim, S.S. Ravindran, B. Chang, S.W. Ravi, K.	2025	Carbon Letters	10.1007/s42823-025-00941-3	SDG 6
304	Bi2S3/Mo2S3-Ag nanocomposites for textile effluent treatment and photoluminescence multiplexing technologies	Murugan, B. Mahalingam, U. Ramasamy, P. Sagadevan, S.	2025	Ceramics International	10.1016/j.ceramint.2025.03.082	SDG 6
305	Enhancing anticancer, antioxidant, and antibacterial activities of chalcogen-based SnSe nanoparticles synthesized through the co-precipitation method	Rather, H.A. Wahid, J.B.A. Dar, M.A. Gunganathan, L. Dar, U.A. Arularasan, P. Yagoub, S.E.I. Amin, L.G.	2025	Chalcogenide Letters	10.15251/CL.2025.225.461	SDG 3

306	MOFs-based S-scheme heterojunction photocatalysts: Challenges and prospects to break the selectivity limitation for intensified C1 products in CO2 photoreduction	Malhotra, M. Soni, V. Kumar, R. Tarannum Singh, P. Thakur, S. Le, Q.V. Nguyen, L.H. Nguyen, V.-H. Raizada, P.	2025	Chemical Engineering Journal	10.1016/j.cej.2025.160238	SDG 7 SDG 9 SDG 13
307	3D-printed TaSe2/WO3/ZnIn2S4 for increased photocatalytic degradation of rifampicin antibiotic: Role of reactive oxygen species and interfacial charge transfer	Dao, T.P. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2025	Chemical Engineering Journal	10.1016/j.cej.2025.161763	SDG 3 SDG 6
308	Metal-organic frameworks avenues in microbial electrochemical systems as a sustainable approach to waste treatment and bioenergy generation	Ly, N.H. Badawi, M. Nadagouda, M.N. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2025	Chemical Engineering Journal	10.1016/j.cej.2024.158766	SDG 3 SDG 6 SDG 7 SDG 12
309	Recent development in plant-mediated zinc oxide nanoparticles with biomedical applications	Ravi, P. Babu, S.	2025	Chemical Physics Impact	10.1016/j.chphi.2025.100870	SDG 3 SDG 12
310	Retraction notice to "Phosphorus encapsulated gallium nitride and aluminum nitride nanotubes as nonenzymatic sensors for fructose, glucose, and xylose sugars as biomarkers for diabetes-mellitus: Outlook from computational study" (Chemical Physics Impact (2023) 7	Imojara, A. Ishegbe, J.E. Abdullah, H. Edet, H.O. Gber, T.E. Eba, M.-B.A. Pembere, A.M.S. Louis, H.	2025	Chemical Physics Impact	10.1016/j.chphi.2025.100950	SDG 3
311	Carbon-Supported Nano-Dispersed Metallic Copper Derived From Carbonization of MOF-199 for Electrochemical CO2 Reduction	Huang, M.-H. Huang, C.-C. Suginaga, T. Yoshida, M. Nguyen, V.H. Lin, K.Y.A. Hu, C.	2025	Chemistry - An Asian Journal	10.1002/asia.202401171	SDG 13
312	Revolutionizing Cancer Vaccine: The Power of Advanced Nanotechnology	Udayakumar, S. Pandiarajan, S. Jessy Mercy, D. Suresh, J. Jagadeesh kumar, J.R. Girigoswami, A. Girigoswami, K.	2025	Chemistry (Switzerland)	10.3390/chemistry7030097	SDG 3
313	Dual Mechanism of Amphiroa anceps: Antiangiogenic and Anticancer Effects in Skin Cancer	Janani, G. Girigoswami, A. Deepika, B. Udayakumar, S. Mercy, D.J. Girigoswami, K.	2025	Chemistry and Biodiversity	10.1002/cbdv.202500626	SDG 3
314	Phytochemical-Based Drug Discovery for Breast Cancer: Combining Virtual Screening and Molecular Dynamics to Identify Novel Therapeutics	Durgawale, T.P. Rajashakar, V. Gupta, J.K. Banu, S.S. Galla, S.H. Singh, J. Rao, A.A. Prasad, P.D. Chaudhari, P.B. Mortuza, M.R. Sweilam, S.H. Asiri, M. Amin, M.A. Utpal, B.K. Mohammad, B.D.	2025	Chemistry and Biodiversity	10.1002/cbdv.202402864	SDG 3
315	Biomedical Prowess of Clitoria mariana (L.) Flower Methanolic Extract: A Comprehensive In Vitro, Ex Vivo, and In Vivo Evaluation	Rajkumar, M. Presley, S.I.D. Govindaraj, P. Girigoswami, K. Meenambigai, K. Deepak, P. Deepika, B. Elbehairi, S.E.I. Alfaifi, M.Y. Shati, A.A. Menaa, F.	2025	Chemistry and Biodiversity	10.1002/cbdv.202501051	SDG 3
316	Reactive Blue 19 Dye's Decomposition in Aqueous Environments Using Combined PS/US/AC-Fe3O4 Process	Rashtbari, Y. Parastar, S. Poureshgh, Y. Ghotekar, S. Ast, F.B. Abazari, M. Shabanloo, A.	2025	ChemistrySelect	10.1002/slct.202404801	SDG 6
317	Assessing the Anticancer Potential of Cerium Oxide Nanoparticles with Doxorubicin in a Polymeric Nanomatrix: Histopathological and Antiangiogenic Insights	Deepika, B. Janani, G. Mercy, D.J. Udayakumar, S. Raghavan, V. Isaac, J.B. Shurfa, M. Girigoswami, A. Girigoswami, K.	2025	ChemNanoMat	10.1002/cnma.202500186	SDG 3
318	Variability in natural invasion of tumor cells patterns in human glioblastoma	Kumari, D. Chaudhary, P. Janmeda, P. Kumar, D.	2025	Chemoresistance in Glioblastoma: Understanding and Management	10.1016/B978-0-443-33910-3.00003-0	SDG 3
319	Association of glucose kinase and glucokinase regulatory protein gene polymorphisms with type 2 diabetes mellitus susceptibility in the Asian population: A meta-analysis	Benita Stephen, S. Saravanan, J. Kumar Subbaraj, G.	2025	Chulalongkorn Medical Journal	10.56808/2673-060X.5513	SDG 3
320	Enhancing Wayfinding in Chennai Metro: Insights from Passenger Feedback	Vaidyanathan, K. Yogapriya, G.	2025	Civil Engineering and Architecture	10.13189/cea.2025.130638	SDG 11
321	Constructing oxygen vacancy enriched ZnWO4/Ag-doped In2S3 visible light active S-scheme heterojunction with improved charge migration for doxycycline hydrochloride degradation in wastewater	Soni, V. Sonu Singh, P. Ahamad, T. Katin, K.P. Kaya, S. Kumar, N. Nguyen, V.-H. Hussain, C.M. Raizada, P.	2025	Colloids and Surfaces A: Physicochemical and Engineering Aspects	10.1016/j.colsurfa.2025.138466	SDG 6
322	Microrobots in Colorectal Cancer Diagnosis: Advancements and Applications	Pallatt, S. Shibili, A. Nambidi, S. Jain, S.M. Banerjee, A. Pathak, S.	2025	Colorectal Cancer Diagnosis: Advancements and Applications	10.1201/9781032706979-13	SDG 3
323	Colorectal Cancer Diagnosis: Advancements and Applications	Pathak, S. Banerjee, A.	2025	Colorectal Cancer Diagnosis: Advancements and Applications	10.1201/9781032706979	SDG 3

324	Targeted Drug Delivery 3: A Promising Future in the Diagnosis and Treatment of Colorectal Cancer	Thomas, S.M. Veerabathiran, R.	2025	Colorectal Cancer Diagnosis: Advancements and Applications	10.1201/9781032706979-3	SDG 3
325	Limitations and Disadvantages of Invasive Techniques in Colorectal Cancer Diagnosis	Jayachandran, J. Radhakrishnan, A. Ravichandran, S.N. Pathak, S. Banerjee, A.	2025	Colorectal Cancer Diagnosis: Advancements and Applications	10.1201/9781032706979-4	SDG 3
326	Future Photovoltaic Applications of Nanostructured Metal Chalcogenides	Arif Dar, M. Satgunam, M. Batoo, K.M. Kalpnan, S. Arularasan, P. Ali Dar, U. Suthakaran, S. Gaganathan, L. Rather, A.A. Mishra, M. Majid, S.R.	2025	Comments on Inorganic Chemistry	10.1080/02603594.2025.2464732	SDG 7
327	Novel hydrogen-bonded organic framework (HOF) for highly efficient photocatalysis: From structural designs to multifunctional applications	Chauhan, A. Kumar, R. Raizada, P. Thakur, S. Nguyen, V.-H. Singh, A. Van Le, Q. Singh, P. Sudhaik, A.	2025	Coordination Chemistry Reviews	10.1016/j.ccr.2025.216634	SDG 13
328	Bi2S3-based photocatalysts: Properties, synthesis, modification strategies, and mechanistic insights towards environmental sustainability and green energy technologies	Chawla, A. Sudhaik, A. Sonu Kumar, R. Raizada, P. Ahamad, T. Khan, A.A.P. Van Le, Q. Nguyen, V.-H. Thakur, S. Singh, P.	2025	Coordination Chemistry Reviews	10.1016/j.ccr.2025.216443	SDG 7
329	Recent updates on cadmium indium sulfide (CdIn2S4 or CIS) photocatalyst: Synthesis, enhancement strategies and applications	Sambyal, S. Sudhaik, A. Sonu, S. Raizada, P. Chaudhary, V. Nguyen, V.-H. Khan, A.A.P. Hussain, C.M. Singh, P.	2025	Coordination Chemistry Reviews	10.1016/j.ccr.2025.216653	SDG 7 SDG 13
330	Potential and Harmful Effects of Titanium Dioxide Nanoparticle on Health: A Brief Note	Richard, N.S.	2025	Current Nanomaterials	10.2174/2405461508666230829100138	SDG 7
331	Revolutionizing Medicine: The Promise of Camouflage Nanoparticles - A Review	Mohammed, V. Richard, N.S.	2025	Current Nanomaterials	10.2174/0124054615273067231011110436	SDG 3
332	Photogenerated charge carriers in photocatalytic materials for solar hydrogen evolution	Ly, N.H. Gnanasekaran, L. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2025	Current Opinion in Chemical Engineering	10.1016/j.coche.2024.101087	SDG 7
333	Erratum to "Photogenerated charge carriers in photocatalytic materials for solar hydrogen evolution" [Curr Opin Chem Eng 47 (2025) 1087](S2211339824000881)(10.1016/j.coche.2024.101087)	Ly, N.H. Gnanasekaran, L. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2025	Current Opinion in Chemical Engineering	10.1016/j.coche.2025.101149	SDG 7
334	Recent Advances in Fluorometric Detection of Carcinogenic Heavy Metal Ions Using Fluorogenic Chemosensors: An Overview	Mahata, A. Girigoswami, A. Kundu, D.	2025	Current Organic Chemistry	10.2174/0113852728379544250526070414	SDG 3
335	Trigeminal trophic syndrome	Kavyadeepu, R.M. Sekar, M.	2025	Dermatology Online Journal	10.25251/wmeb4436	SDG 3
336	Exploring the impact of ADIPOQ gene variants on plasma adiponectin levels and oxidative stress in type 2 diabetes mellitus and diabetic nephropathy in South Indian population: a case-control study	Gopalakrishnan, S. Sobha, S.P. Lakshmanan, K.	2025	Diabetology International	10.1007/s13340-025-00837-7	SDG 3
337	Amplifying anticancer and DNA fragmentation activities through surface functionalization of nanorods-like graphitic carbon nitride sheets	Sathya, V. Santhoshkumar, S. Thirunavukkarasu, S. Veerakumar, P. Saravanakumar, A. Heera, T.R. Suresh, S.	2025	Diamond and Related Materials	10.1016/j.diamond.2025.112252	SDG 3
338	Biodegradable nanomaterials in boosting seed vigor and germination: seed coating towards sustainability	Durgadevi, P. Girigoswami, K. Girigoswami, A.	2025	Discover Applied Sciences	10.1007/s42452-025-06737-4	SDG 2 SDG 8 SDG 12
339	Synergistic approaches in halophyte-microbe interactions: mitigating soil salinity and industrial contaminants for sustainable agriculture	Shelke, D.B. Chambhare, M.R. Sonawane, H.B. Islam, N.F. Patowary, R. Das, M.R. Mohanta, Y.K. Patowary, K. Joshi, S.J. Narayan, M. Panda, B.P. Sarma, H.	2025	Discover Life	10.1007/s11084-025-09688-3	SDG 2 SDG 6 SDG 8 SDG 9 SDG 12 SDG 15
340	Sentinel plants: A tool for early detection of invasive alien pests and pathogens in India	Pavan Kalyan, P. Sharma, P. Dhiman, V.K. Dhiman, V.K. Thakur, P.	2025	Discover Life	10.1007/s11084-025-09710-8	SDG 2 SDG 8 SDG 13 SDG 15
341	A review on mesenchymal stem cells and their secretome in hepatocellular carcinogenesis and its related signaling pathways: recent update	Jayachandran, J. Ritthi, A.T. Mitra, A. Radhakrishnan, A. Banerjee, A. Dutta, A.K.	2025	Discover Oncology	10.1007/s12672-025-03088-9	SDG 3

342	Macro-fungi mediated nanoparticles for sustainable agriculture: recent advancement and future strategies	Panda, J. Nongbet, A. Avula, S.K. Nayak, D. Rustagi, S. Panda, B.P. Mohanta, Y.K.	2025	Discover Sustainability	10.1007/s43621-025-01219-4	SDG 2 SDG 3 SDG 8 SDG 12
343	Genetic Correlation Between Male Infertility and Prostate Cancer: An In-depth Meta-analysis	Thomas, S.M. Anilkumar, A.S. Veerabathiran, R.	2025	Dubai Medical Journal	10.18502/dmj.v8i3.19856	SDG 3
344	Association of tumour necrosis factor-alpha (rs1800629 and rs361525) gene polymorphisms with tuberculosis susceptibility: a meta-analysis	Jayakumar, V. Nishmaa, S. Lakshmi, K.	2025	Egyptian Journal of Medical Human Genetics	10.1186/s43042-025-00692-w	SDG 3
345	A rare curious case of ureteric dissection in a patient with vaginal vault recurrence of endometrial carcinoma	Nadeemur Rahman, H. Mac Win, S.	2025	Egyptian Journal of Radiology and Nuclear Medicine	10.1186/s43055-025-01634-7	SDG 3
346	Evaluation of MicroRNA gene polymorphisms (MicroRNA-149 (rs2292832), MicroRNA-146a (rs2910164), MicroRNA-196a2 (rs11614913)) and its association with liver cirrhosis (LC) and hepatocellular carcinoma (HCC)	Antony, B.S. T S, S. C, T. Subbaraj, G.K.	2025	Egyptian Liver Journal	10.1186/s43066-025-00469-1	SDG 3
347	Recent developments in bioactive compounds from plants for cancer treatment	Anilkumar, A.S. Veerabathiran, R.	2025	Emerging Trends in Phytotherapy of Cancer	10.1016/B978-0-443-40511-2.00016-4	SDG 3
348	Interaction between plant-based drugs and cancer drugs—efficacy and side effects	Ashiq Shibli, P. Jain, S.M. Pathak, S. Banerjee, A.	2025	Emerging Trends in Phytotherapy of Cancer	10.1016/B978-0-443-40511-2.00021-8	SDG 3
349	Interaction of molecular mechanisms of plant-derived metabolites in Type 2 diabetes mellitus: A network pharmacology, docking and molecular dynamics approach on AKT1 kinase	Gayathiri, E. Prakash, P. Chaudhari, S.Y. Sabarathinam, S. Priyadharsini, S.D. Al-Sadoon, M.K. Panneerselvam, J. Chang, S.W. Ravindran, B. Mani, R.R.	2025	Energy Nexus	10.1016/j.nexus.2024.100351	SDG 3
350	Hydrogen Storage Properties of Ultrasound-Assisted Synthesized Pt Nanosheets	Salih, N.A. Jassim, M.N. Eraibi, F.A. Altheety, M.A. Kumar, A. Ghotekar, S. Alwan, M.J.	2025	Energy Storage	10.1002/est2.70188	SDG 7
351	Bioengineering of iron oxide nanoparticles using leaves extract of Dalbergia sissoo for the removal of diclofenac and tetracycline from water: optimization by BBD approach	Sabherwal, H. Kumar, R. Ghotekar, S. Mohan, C. Kataria, N.	2025	Environmental Geochemistry and Health	10.1007/s10653-025-02674-8	SDG 3 SDG 6
352	Micro and nano plastics (MNP) in agricultural soils: challenges for food security and environmental health	Samani, M. Ahlawat, Y.K. Yadav, S. Feizi, M. Rashti, M.R. Mohseni, A. Prakash, C. Ghotekar, S. Kataria, N.	2025	Environmental Monitoring and Assessment	10.1007/s10661-025-14810-z	SDG 2 SDG 3 SDG 6 SDG 8 SDG 12 SDG 14
353	Retraction notice to "Lanthanum and Indium intermetallics nanomaterial for thermal photovoltaic applications – A full potential study" [Environ. Res. 252-P1 (2024)]	Jayalakshmi, D.S. Akshaya, G. Murugadoss, G. Garalleh, H.A. Alrawashdeh, A.I. Alshehri, M.A. Pugazhendhi, A.	2025	Environmental Research	10.1016/j.envres.2025.122029	SDG 7
354	Retraction notice to "Investigation of bio-nano additives in red algae Cyanidioschyzon merolae ultrasonified MgO/MWCNT catalyzed biodiesel in optimized engine performance" [Environ. Res. 258 (2024) 110252] [Environmental Research (2024) 258] (S01202512401257)	Pugazhendhi, A. Kamarudin, S.K. Chinnathambi, A. Alharbi, S.A. G, R.	2025	Environmental Research	10.1016/j.envres.2025.122823	SDG 7
355	Retraction notice to "Recent breakthroughs on the development of electrodeionization systems for toxic pollutants removal from water environment" [Environ. Res. 241 (2024) 117540] (S012025122025281) (10.1016/j.envres.2023.117540)	Vinayagam, V. Kishor Kumar, N.K. Palani, K.N. Ganesh, S. Kushwaha, O.S. Pugazhendhi, A.	2025	Environmental Research	10.1016/j.envres.2025.120998	SDG 4 SDG 6
356	Retraction notice to "Biodiesel synthesis from chicken feather meal using S/AlMCM-41 catalyst and engine performance analysis" [Environ. Res. 246 (2024) 118060] [Environmental Research (2024) 246, (S012025122028645)] (10.1016/j.envres.2023.118060)	Almalki, A.S.A. Alhadhrami, A. Alsanie, W.F. Kamarudin, S.K. Pugazhendhi, A.	2025	Environmental Research	10.1016/j.envres.2025.121314	SDG 7
357	Identifying ecological risk zones using spatial prioritization of heavy metal pollution and bioaccumulation in birds	Panda, B.P. Parida, S.P. Pradhan, A. Mohanta, Y.K. Parthipan, P. Narayan, M. Sarma, H.	2025	Environmental Science and Pollution Research	10.1007/s11356-025-36385-5	SDG 3 SDG 11 SDG 13 SDG 15
358	Advances and perspectives of nanomaterials for photocatalytic degradation of biological ethylene toward the postharvest improvement of agricultural products	Nguyen, L.H. Dinh, D.A. Thi, L.-A.P. Pham, P.V. Singh, P. Raizada, P. Lin, K.-Y.A. Nguyen, V.-H.	2025	Environmental Science and Pollution Research	10.1007/s11356-023-31524-2	SDG 2 SDG 9 SDG 12
359	Simultaneous removal of ammonium, phosphate, and phenol via self-assembled biochar composites CBCZrOFe3O4 and its utilization as soil acidity amelioration	Hidayat, E. Mohamad Sarbani, N.M. Samitsu, S. Situngkir, Y.V. Lahiri, S.K. Yonemura, S. Mitoma, Y. Harada, H.	2025	Environmental Technology (United Kingdom)	10.1080/09593330.2024.2362993	SDG 6 SDG 12

360	An overview of potential of natural compounds to regulate epigenetic modifications in colorectal cancer: a recent update	Roy, S. Deka, D. Kondaveeti, S.B. Ayyadurai, P. Siripragada, S. Philip, N. Pathak, S. Duttaroy, A.K. Banerjee, A.	2025	Epigenetics	10.1080/15592294.2025.2491316	SDG 3
361	The X-ray repair cross-completing gene 1 (XRCC1) polymorphisms and lung cancer incidence – a confirmatory umbrella review of observational evidence	Velmurugan, S. Ganesan, K. Rajendran, R. Subbaraj, G.K.	2025	European Journal of Clinical and Experimental Medicine	10.15584/ejcem.2025.1.29	SDG 3
362	Unraveling the mechanism of microRNA-134 in colon cancer progression: Targeting KRAS and PIK3CA for cell cycle control and histone deacetylase regulation	Jothimani, G. Das, D. Pathak, S. Malayaperumal, S. Zhang, H. Sun, X.-F. Banerjee, A.	2025	Experimental Cell Research	10.1016/j.yexcr.2024.114385	SDG 3
363	Are we underestimating cardiovascular risks in midlife women? A call for gender-specific strategies	Krishnan, M. Babu, S.	2025	Experimental Gerontology	10.1016/j.exger.2025.112787	SDG 3
364	Next-generation cancer vaccines: targeting cryptic and noncanonical antigens for precision immunotherapy	Anilkumar, A.S. Thomas, S.M. Veerabathiran, R.	2025	Exploration of Targeted Anti-tumor Therapy	10.37349/etat.2025.1002338	SDG 3
365	Demand-side barriers and economic burden in accessing Human Papillomavirus screening for cervical cancer prevention in rural India: Evidence from a cross-sectional study	Sriram, S. Jayakumar, A.D. Gollapalli, P.K. Chandrasekar, S.	2025	F1000Research	10.12688/f1000research.150361.2	SDG 3 SDG 10
366	Influence of antioxidant activity in jamun (<i>Syzygium cumini</i> L.) kernel nanoparticles for human health	Muruganandam, S. Kumar, S.G.	2025	Food and Humanity	10.1016/j.foohum.2025.100573	SDG 3
367	Exploring Edible Insects as a Potential Source of Food-Nutraceuticals: A Sustainable Approach	Rhetso, V. Mishra, A.K. Nath, P.C. Panda, J. Nayak, D. Panda, B.P. Rustagi, S. Avula, S.K. Rahman, S. Mohanta, Y.K.	2025	Food Biophysics	10.1007/s11483-025-09980-9	SDG 2 SDG 3 SDG 15
368	MICROPLASTIC: FROM marine pollution to the human food chain	Dutta, K. Shankdhar, D. Bhardwaj, V. Bhardwaj, N. Peter, L. Aman, J. Nagraik, R. Ravi, K. Sharma, A.	2025	Food Bioscience	10.1016/j.fbio.2025.107613	SDG 3 SDG 14
369	Harnessing the medicinal potential of herbs through hormesis: Perspectives in global health and therapeutics	Srivastava, V. Dhiman, V.K. Pandey, A. Verma, S.K. Singh, D.	2025	Food Chemistry Advances	10.1016/j.focha.2025.101011	SDG 3
370	Effect of bovine milk-derived peptide on SNAP-25 of the neurotransmitter system in treating the sialorrhoea in chronic neurological diseases	Roshni, J. Mahema, S. Janakiraman, V. Ahmad, S.F. Al-Mazroua, H.A. Ahmed, S.S.S.J.	2025	Food Science and Biotechnology	10.1007/s10068-025-01872-5	SDG 3
371	Editorial: Metallo drugs in cancer therapy	Adhikari, S. Montazerzohori, M. Majhi, A. Pathak, S.	2025	Frontiers in Chemistry	10.3389/fchem.2025.1758341	SDG 3
372	Mitochondrial microRNAs (mitomiRs) as emerging biomarkers and therapeutic targets for chronic human diseases	Méndez-García, A. García-Mendoza, M.A. Zárate-Peralta, C.P. Flores-Perez, F.V. Carmona-Ramirez, L.F. Pathak, S. Banerjee, A. Duttaroy, A.K. Paul, S.	2025	Frontiers in Genetics	10.3389/fgene.2025.1555563	SDG 3
373	Studies on environmental resistomes in polychaete gut microbiome from polluted estuaries	Ganesan, M. Mani, R. Saikumar, S. Chang, S.W. Ravi, K. Mani, R.R. Ravindran, B.	2025	Frontiers in Marine Science	10.3389/fmars.2025.1637421	SDG 3 SDG 14
374	Decoding the anticancer and biofilm-inhibiting efficacy of <i>Adansonia digitata</i> using experimental, AI-powered, and molecular modeling approaches	Pandi, S. Kathiresan, N. Kumar Subbaraj, G. Desai, D. Nagarajan, C. Kulanthaivel, L.	2025	Frontiers in Molecular Biosciences	10.3389/fmolb.2025.1666360	SDG 3
375	A review of circular RNAs in colorectal cancer: insights into biomarker discovery and therapeutic targeting	Nambidi, S. Shruthi, K.B. Kanimozhe, S.P. Banerjee, A. Kondaveeti, S.B. Duttaroy, A.K. Pathak, S.	2025	Frontiers in Oncology	10.3389/fonc.2025.1549046	SDG 3
376	Pharmacological potential of natural chalcones: a recent studies and future perspective	Adhikari, S. Nath, P. Deb, V.K. Das, N. Banerjee, A. Pathak, S. Duttaroy, A.K.	2025	Frontiers in Pharmacology	10.3389/fphar.2025.1570385	SDG 3
377	Mesenchymal stromal cell-laden hydrogels in tissue regeneration: insights from preclinical and clinical research	Barbon, S. Rajendran, S. Banerjee, A. Parnigotto, P.P. De Caro, R. Macchi, V. Porzionato, A.	2025	Frontiers in Pharmacology	10.3389/fphar.2025.1670649	SDG 9

378	Retraction notice to "Green ammonia as peerless entity for realm of clean-energy carrier toward zero carbon emission: Purviews, neoteric tendencies, potentialities and downsides" [Fuel 365 (2024) 131118] (Fuel (2024) 365 /S0016236124002643)	Mohanasundaram, S. Varadharajan, V. Selvaraju, M. Manikandan, S. Ramasamy, S. Jayakumar, M. Sundramurthy, V.P. Baskar, G. Pugazhendhi, A.	2025	Fuel	10.1016/j.fuel.2025.134953	SDG 7 SDG 13
379	Pharmaceutical properties for green fabricated ZnO and Ag nanoparticle-mediated Borago officinalis: In silico predications study	Alkhafaji, A.A. Ahmed, H.M. Fadhil, Y.B. Allos, M.M. Jabir, M.S. Ahmed, D.S. Issa, A.A. Kong, K.W. Lau, B.F. Ghotekar, S. Swelum, A.A.	2025	Green Processing and Synthesis	10.1515/gps-2024-0237	SDG 3
380	Nanotechnology and Biomaterials in Smart Manufacturing	Dhiman, V.K. Dhiman, V.K. Tripathi, N.M. Shrestha, R.	2025	Handbook of Bio-Based Materials for Smart Manufacturing	10.1201/9781003566205-18	SDG 9
381	A Psychometric Evaluation of the Interpersonal Cognitive Distortions Scale: Implications for Mental Health and Quality of Life of College Students	Reddy, N.P. Sureshkumar, K.	2025	Health Leadership and Quality of Life	10.56294/hl2025717	SDG 3
382	Retraction notice to "Exploring the potential of single-metals (Cu, Ni, Zn) decorated Al12N12 nanostructures as sensors for flutamide anticancer drug" [Heliyon 9 (2023) e20682] (Heliyon (2023) 9(10), (S2405844022078008) /10.1016/j.heliyon.2023.e20682)	Ejiofor, E.U. Ishebe, J.E. Benjamin, I. Okon, G.A. Gber, T.E. Louis, H.	2025	Heliyon	10.1016/j.heliyon.2025.e43669	SDG 3
383	Retraction notice to "Molecular modeling of the structural, electronic, excited state dynamic, and the photovoltaic properties of the oligomers of n-corannulene (n = 1-4)" (Heliyon, (2023), 9, 10, (e20706), (S2405844022070146) /10.1016/j.heliyon.2023.e20706)	Hadi, H. Louis, H. Gber, T.E. Ogungbemi, F.O.	2025	Heliyon	10.1016/j.heliyon.2025.e44150	SDG 7
384	High-frequency chest wall oscillation waveforms: Clinical implications	Sulochana, K. Kumar, K. Chellam, G.S. Esquinas, A.M.	2025	High-Frequency Chest Wall Oscillation Therapy in Critically Ill Patients: A Rational Approach	-	SDG 3
385	Adiponectin gene polymorphism and TyPE 2 diabetes MellitUS: Contrasting genetic RISKS in overdominant vs recessive and allele models – an updated meta – analysis	Gopalakrishnan, S. Sobha, S.P. Lakshmanan, K.	2025	Human Gene	10.1016/j.humgen.2025.201463	SDG 3
386	Advances in Catalysts and Materials for Hydrogen Production	Marizcal-Barba, A. Nava-Andrade, K. Ghotekar, S. Fellah, M. Pérez-Larios, A.	2025	Hydrogen Energy Production and Fuel Generation	10.1002/9781394248544.ch3	SDG 7
387	Current status on M. pneumoniae: Clinical Features and Management Strategies	Kumar, A. Bragadeeshwaran, N. Janhavi., M.S. Shamina, S. Lavanya, S.V. Suria, P. Muthu, P.P.	2025	Ibom Medical Journal	10.61386/imj.v18i2.684	SDG 3
388	Mutation Analysis of the BRCA1 and BRCA2 Genes in Early-Onset, Familial, and Sporadic Breast Cancer Among the South Indian Population	Vinoda Kumar, H.R. Elancheran, M. Shivakumar, P. Srinivasan, N. Sushma, S.	2025	Indian Journal of Clinical Biochemistry	10.1007/s12291-025-01313-4	SDG 3
389	Bridging the Gap: Navigating the Nexus of Tuberculosis and Mental Well-being	Danasekaran, R.	2025	Indian Journal of Community Medicine	10.4103/ijcm.ijcm_795_23	SDG 3
390	Tackling the Emerging Threat of Zoonotic Malaria in India	Divyaparvathy, J. Ramesh, H.	2025	Indian Journal of Community Medicine	10.4103/ijcm.ijcm_493_24	SDG 3
391	Efficacy of plant-derived extracts against multidrug resistant pathogens: A potential alternative to conventional antibiotic therapy	Priya, O.I. Shanmugam, P. Chauhan, A. Selvabai, A.P.	2025	Indian Journal of Microbiology Research	10.18231/j.ijmr.98133.1758352054	SDG 3
392	Case series of genital melanosis and a rare scenario of malignant melanoma arising in the vulval melanosis	Raghavan, V. Pandurangan, P.	2025	Indian Journal of Obstetrics and Gynecology Research	10.18231/j.ijogr.97687.1763463224	SDG 3
393	A Dreaded Malignancy Lurking as an Innocuous Swelling - A Case Report	Rajasekaran, S. Muthukumar, R. Balaji, D. Prabakaran, S. Navin, R.B.N. Gowthame, K. Sarath Kumar, B. Rumaiza, W.	2025	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-025-05821-w	SDG 3
394	The Outcomes of Over the Counter Self-medications Usage for Ear, Nose, and Throat (ENT) Ailments in Chengalpattu, A Cross-sectional Study	Keertan, S.K. Navin, R.B.N. Prabakaran, S. Rajasekaran, S. Muthukumar, R. Balaji, D. Gowthame, K. Kumar, B.S.	2025	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-025-05733-9	SDG 3
395	A Cross-sectional Study on Impact of Duration and Stage of Chronic Kidney Disease on Sensorineural Hearing Loss: Insights from a Tertiary Care Center	Gowthame, K. Prabakaran, S. Namasivaya Navin, R.B. Rajasekaran, S. Lakshana, R.	2025	Indian Journal of Otology	10.4103/indianjoto.indianjoto_125_24	SDG 3

396	Anogenital Lesions in Children: A Critical Alert for Pediatricians	Vikram, A. Christy Maria Viagulam, J. Vengatachalapathy, P.	2025	Indian Journal of Pediatrics	10.1007/s12098-024-05284-x	SDG 3 SDG 5 SDG 16
397	RATIONAL USE OF ANTIBIOTICS IN NEONATAL INTENSIVE CARE UNITS	Sethuraman, G. Rameshbabu, M.	2025	Indian Journal of Practical Pediatrics	-	SDG 3
398	Estimation and Risk Assessment of Natural Uranium Radioactivity in the Yamuna River Water, Delhi Using LED Fluorimetry and Biokinetic Modelling	Mittal, A. Ram, J. Malik, G. Abhishek Kataria, N. Amanjeet	2025	Indian Journal of Pure and Applied Physics	10.56042/ijpap.v63i12.23441	SDG 3
399	Knowledge, Attitudes, and Practices of Healthcare Professionals Regarding Pulmonary Rehabilitation in India: A Comprehensive Survey-based Evaluation	Kumari, S. Narasimhan, M. Kumar, K. Varghese, S.	2025	Indian Journal of Respiratory Care	10.5005/jp-journals-11010-1222	SDG 3
400	A Comparative Analysis of Hematological Inflammatory Markers in Stable and Exacerbated Bronchial Asthma	Rajasekharan, B.A. Mageshwaran, Y. Somasundaram, T. Sagadevan, S. Lakshmanan, M. Rathinam, S. Narasimhan, M.	2025	Indian Journal of Respiratory Care	10.5005/jp-journals-11010-1201	SDG 3
401	The spectrum of extra pulmonary tuberculosis: Emphasizing the importance of microbiological diagnosis- A case series	Aghoram, P. Shanmugam, P. Selvabai R, A.P.	2025	Indian Journal of Tuberculosis	10.1016/j.ijtb.2025.06.004	SDG 3
402	Nanoparticle-based biosensor- from existing to advanced tools in diagnosis of tuberculosis	Sundaram, K. Subramani, S. Prabhu, V.	2025	Indian Journal of Tuberculosis	10.1016/j.ijtb.2025.06.014	SDG 3
403	COVID-19 associated acute kidney injury	Sekar, P.K.C. Veerabathiran, R.	2025	Infectious Diseases and Immunity	10.1097/ID9.0000000000000160	SDG 3
404	Structural design of dual Z-scheme GCN/CdO/CaFe2O4 ternary heterojunction with high visible light activity: Photocatalytic performance and mechanism in the degradation of Congo red dye	Sudhaik, A. Kumar, R. Sharma, S. Sharma, A. Devi, S. Raizada, P. Le, Q.V. Ahamad, T. Nguyen, V.-H. Singh, P.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113697	SDG 6
405	Biogenic synthesized silver nanoparticles for control of multidrug resistant bacteria, and inhibition of NLRP3 inflammasome activation: In vitro- and in-vivo study	Hussein, F.A. Hussien, N.N. Jabir, M.S. Ghotekar, S. Swelum, A.A.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113567	SDG 3
406	A critical review on Lantana camara extract-mediated bio-inspired synthesis of nanomaterials and their potential application: Challenges and future perspectives	Patel, K. Patil, M. Abhale, Y. Dateer, R.B. Kumar, D. Larios, A.P. Chauhan, A. Jabir, M.S. Ghotekar, S.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113830	SDG 3 SDG 9 SDG 15
407	Insights into the expeditious photocatalytic performance of greenly fabricated CeVO4 nanoparticles using Polyalthia longifolia leaf extract	Ghotekar, S. Mishra, S.R. Gadore, V. Roy, S. Ahmaruzzaman, Md. Singh, K.R. Singh, J. Kumar, A. Kataria, N. Mirzaei, M.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113665	SDG 6
408	Recent advancements in polythiophene-based adsorbents for heavy metal ion removal: Modification, kinetics and mechanistic insights	Rana, P. Kaur, B. Poonia, K. Soni, V. Singh, P. Thakur, S. Huang, C.-W. Nguyen, V.-H. Raizada, P.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113657	SDG 6
409	Potential applications of fullerenes in drug delivery and medical advances	Kulkarni, S. Chaudhari, S.B. Chikkamath, S.S. Kurate, R.S. Thopate, T.S. Praveenkumar, S. Ghotekar, S. Patil, P. Kumar, D.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113829	SDG 3
410	Enhanced antibacterial and anticancer performance of Cissus Quadrangularis extract - mediated ZnO nanoparticles via green hydrothermal process	Gayathri, S. Christy, A.J. Sagadevan, S.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2025.114826	SDG 3
411	NiCr2O4 nanomaterials: Advances in synthesis, modification, and multifunctional applications	Patel, K. Patil, M. Abhale, Y. Chauhan, A. Rana, G. Adole, V. Ban, T.K. Lin, K.-Y.A. Jabir, M. Ghotekar, S.	2025	Inorganic Chemistry Communications	10.1016/j.inoche.2025.115451	SDG 3 SDG 7
412	Synthesis and characterization of sericin-based magnetic nanoparticles for MR imaging application - An in vivo study	Bhoopathy, J. Vedakumari, S.W. Pravin, Y.R. Prabhu, A.D. Robert, A.	2025	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2025.143415	SDG 3
413	Isolation and functional characterization of phytase extracted from Klebsiella pneumoniae for enhanced growth of plants: A study of gene expression and in silico prediction	AbdulWahed, H.E. Mahdy, S.A. Abdel Hassan Al-Khafaji, H.M. Hasoon, B.A. Al-Saadi, H.E. Jawad, K.H. Ghotekar, S. Jabir, M.S.	2025	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2025.148585	SDG 3

414	Clean water future: The role of chitosan hydrogel nanocomposites in wastewater management	Verma, A. Lat, B. Ravi, K. Suman Ranya, M. Singh, S. Jasrotia, R.	2025	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2025.148213	SDG 6
415	Selenium nanoparticles-loaded with papain as a promising Nanoplatform for hepatocellular carcinoma control: 2D/3D tissue culture models and in silico prediction study	Nafea, M.H. Jabir, M.S. Mohamedem, A.A. Al-kuraishy, H.M. Hasan, A.F. Ghotekar, S. Murtey, M.D.	2025	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2025.147966	SDG 3
416	AgxOy/chitosan nanocomposite as antibacterial functional coating material for hydrophilic and hydrophobic fabrics	A.J., P. S., A.S. S., R. Mohammed, V. R.B., J.R. M.S., S. Annadurai, K.S. Parvathi, V.D. G.S., H.	2025	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2025.148525	SDG 3
417	Advancements in immunotherapy for colorectal cancer treatment: a comprehensive review of strategies, challenges, and future prospective	Kaviyaran, V. Das, A. Deka, D. Saha, B. Banerjee, A. Sharma, N.R. Duttaroy, A.K. Pathak, S.	2025	International Journal of Colorectal Disease	10.1007/s00384-024-04790-w	SDG 3
418	The association of rs1111875 in HHEX with type 2 diabetes: A comprehensive meta-analysis	Thomas, S.M. Anilkumar, A.S. Veerabathiran, R.	2025	International Journal of Diabetes in Developing Countries	10.1007/s13410-025-01445-6	SDG 3
419	Association between KCNJ11 rs5219 polymorphisms and gestational diabetes mellitus: A meta-analysis	Muruganatham, J.K. B K, I. Veerabathiran, R.	2025	International Journal of Diabetes in Developing Countries	10.1007/s13410-024-01376-8	SDG 3
420	Assessment of Cognitive Function in Type 2 Diabetes Mellitus: A Cohort Study Comparing Patients with and without a History of COVID-19 Infection	Ramakrishnan, A.V.K.P. Putta, V.K. Patnool, R.B.	2025	International Journal of Drug Delivery Technology	10.25258/ijddt.15.3.34	SDG 3
421	Green nanotechnology for environmental remediation: a sustainable approach to combat pollution	Mallari, P. M, M. Parvathi, V.D. G.S, H.	2025	International Journal of Environmental Analytical Chemistry	10.1080/03067319.2025.2583389	SDG 3 SDG 6 SDG 14
422	Biosorption of lead (II) ions by lead-tolerant fungal biomass isolated from electroplating industry effluent	Dhaka, R. Kumar, S. Kataria, N. Kee, P.E. Ayyamperumal, R. Ethiraj, B. Khoo, K.S. Bhatia, R.	2025	International Journal of Environmental Science and Technology	10.1007/s13762-024-05796-1	SDG 6 SDG 7 SDG 8 SDG 9
423	Impact of hydrogen-assisted combustion in a toroidal re-entrant combustion chamber powered by rapeseed oil/waste cooking oil biodiesel	Thiagarajan, S. Seetharaman, S. Lokes, R. Prasanth, G. Karthick, B. Femilda Josephin, J.S. Ali Alharbi, S. Pugazhendhi, A. Varuvel, E.G.	2025	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2024.07.049	SDG 7
424	Branched-chain amino acids in obesity and diabetes: Implications and insights	Kannaiyan, S.P. Prasanna, A. Chaganti, S. Perin, M. Dinakar, S. Khedekar, S. Bagchi, S. Deshpande, G.	2025	International Journal of Medical Biochemistry	10.14744/IJB.2025.16779	SDG 3
425	The scope of a comprehensive primary healthcare approach in addressing the rising burden of noncommunicable diseases	Ramasamy, S. Panneerselvam, S. Govindharaj, P. Agarwal, S.	2025	International Journal of Noncommunicable Diseases	10.4103/jncd.jncd_43_25	SDG 3
426	Prevalence and risk factors of peripheral neuropathy among type 2 diabetes mellitus patients in rural area of Chengalpattu district, Tamil Nadu: A cross-sectional study	Arunagiri, H.N. Rajasekar, V.D. Surya, B.N. Kumar, P.M. Kumar, S.M. Syed, R.	2025	International Journal of Noncommunicable Diseases	10.4103/jncd.jncd_73_25	SDG 3
427	Healthcare utilisation patterns among individuals with noncommunicable diseases in rural households of Chengalpattu district: A community-based cross-sectional study	Ramesh, H. Ravichandran, P. Gollapalli, P.K. Rajasekar, V.D. Arumugam, S. Thomas, R.E.D. Shri, P.M.N.K.	2025	International Journal of Noncommunicable Diseases	10.4103/jncd.jncd_59_25	SDG 3 SDG 10
428	Psychological morbidity and its risk factors among migrant construction workers in Chengalpattu district – A cross-sectional study	Syed, R. Danasekaran, R. Surya, B.N. Vijayalakshmi, S. Pragadeesh, P. Manoj, P. Madhush Kumar, S. Hari Narayanan, A.	2025	International Journal of Occupational Safety and Health	10.3126/ijosh.v15i3.69186	SDG 3 SDG 10
429	Dermatoses in fishermen in Chennai	Anandha Jothi, A.M. Shivaraman, V. Gopala Krishnan, K. Thomas, J. Jeyaraman, B.	2025	IP Indian Journal of Clinical and Experimental Dermatology	10.18231/j.ijced.2025.014	SDG 2
430	Dyschromatosis universalis hereditaria in clinical practice– A rare case report	Saoji, O.V. Kunjaram, G. Thomas, J.	2025	IP Indian Journal of Clinical and Experimental Dermatology	10.18231/j.ijced.11246.1704955809	SDG 3
431	Atypical presentation of bowens disease	Narayanan, N. Sabapathi, V. Kunjaram, G. Gowda, K.K. Thomas, J.	2025	IP Indian Journal of Clinical and Experimental Dermatology	10.18231/j.ijced.10908.1646526679	SDG 3

432	Association of cardiac abnormalities with the severity of chronic obstructive pulmonary disease	Sagadevan, S. Sahana, K. Roshinidevi, P. Shanmuganathan, A. Narasimhan, M.	2025	IP Indian Journal of Immunology and Respiratory Medicine	10.18231/j.ijirm.12596.1764326519	SDG 3
433	Evaluating diagnostic approaches for diabetic foot infections: A systematic review	Bindhu, J. Umashankar, R. Vasudevan, R. Mahalakshmi, B. Bagchi, S. Kapfo, W. Khan, A. Prabha, S. Prasanna, M.	2025	IP International Journal of Medical Microbiology and Tropical Diseases	10.18231/j.ijmmt.2025.003	SDG 3
434	Global, Regional, and National Burden of Nontraumatic Subarachnoid Hemorrhage The Global Burden of Disease Study 2021	Rautain, T. Votovic, V. Stark, B.A. Johnson, C.O. Kaprio, J. Korja, M. Krishnamurthi, R.V. Nair, B.S. Ranta, A. Rinkel, G.J.E. Vergouwen, M.D.I. Abate, Y.H. Abbastabar, H. Abd-Allah, F. Abdalkader, A. Abdi, B. Abdollahi, A. Abdullahi, A. Abiodun, O.O.	2025	JAMA Neurology	10.1001/jamaneuro.2025.1522	SDG 3
435	A Comprehensive Review on the Effects of Proton Pump Inhibitors on Cardiovascular Disease Risk Factors	Abaka, H.R. Kodi, U.B. Thakor, A.R. Govindarajan, A. Jangid, H.K. Surapaneni, S.R.A. Singla, C.	2025	Journal of Applied Bioanalysis	10.53555/jab.v11s1.357	SDG 3
436	Green Chemistry Approaches in Pharmaceutical Synthesis: Reducing Environmental Impact in Drug Manufacturing	Balaga, K. Sinha, P. Dixit, P.R. Jauhari, R. Sundaresan, N. Paul, J.	2025	Journal of Applied Bioanalysis	10.53555/jab.v11i3.257	SDG 9 SDG 12 SDG 13
437	Enhancing Bioavailability Of Antiviral Combinations Through Spray Dried Granulation: A Formulation Approach	Srinivasa Rao, K. Lakshmi, K. Brito Raj, S.	2025	Journal of Applied Bioanalysis	10.53555/jab.v11i4.334	SDG 3
438	Aqueous root extract of Salacia oblonga ameliorates experimental diabetes by upregulation of PDX1 expression and alpha-to-beta cell trans-differentiation	Anbumani, S.K. Shankaranarayanan, A. Thomson, J.E.R. Sadayan, S. Subramanian, M.	2025	Journal of Applied Pharmaceutical Science	10.7324/JAPS.2025.224032	SDG 3
439	Protective effects of Strychnos potatorum seed extract on diabetic nephropathy in rats: Downregulation of FSP-1 expression	Shankaranarayanan, A. Subramanian, M. Thomson, J.E.R. Anbumani, S.K.	2025	Journal of Applied Pharmaceutical Science	10.7324/JAPS.2025.233971	SDG 3
440	Development and validation of risk assessment tools for hypertensive disorder in pregnancy	Vanitha, K. Sharmil, H. Kandasamy, V.	2025	Journal of Asian Midwives	10.71071/JAM/v12i1.1.16	SDG 2 SDG 3
441	Valorization of chitosan for sustainable soap production: Development, performance evaluation, and hygiene applications	Senthil, A. Sakthivel, V. Amuthan Jayanthi, P. Rahmathullah, A. Ramachandran, S.	2025	Journal of Bioactive and Compatible Polymers	10.1177/08839115241287216	SDG 3 SDG 15
442	Circulating miR-542-3p as a Prognostic Marker for Hepatocellular Carcinoma: A Systematic Review and Meta-Analysis	Balakrishnan, R. Subbarayan, R. Kuppusamy, M. Shrestha, R. Radhakrishnan, A. Chauhan, A.	2025	Journal of Cellular and Molecular Medicine	10.1111/jcmm.70748	SDG 3
443	Nanoparticle-Mediated Delivery of Therapeutics for Blood Cancer Treatment: A Review of Recent Developments	Al-Ani, I. Suryawanshi, R.M. Daoud, E. Dayyih, W.A. Lakshmi, K. Patnool, R.B. Begum, T. Dol, H.S. Duza, M.B.	2025	Journal of Chemical Reviews	10.48309/JCR.2025.511889.1423	SDG 3
444	Decoding the Therapeutic Potential of Apigenin as a Nonpeptide PD-1/PD-L1 Immune Checkpoint Inhibitor in Breast Cancer: An Integrated, Multimethod Study Using Network Pharmacology, Bioinformatics, Molecular Docking, and Dynamic Simulations	Rather, M.A. Rasool, S. Khurshed, A. Ahmed, S.S.S.J. Bashir, F. Shalla, A.H. Dar, B.N. Mir, J.M. Dangroo, N.A.	2025	Journal of Chemistry	10.1155/joch/5133015	SDG 3
445	New Insights in the Fabrication of Cobalt Chromite (CoCr2O4) Nanoparticles and Their Multifunctional Applications- A Review	Patil, M. Patel, K. Abhale, Y. Larios, A.P. Kumar, D. Chauhan, A. Marzban, A. Jabir, M.S. Ghotekar, S.	2025	Journal of Cluster Science	10.1007/s10876-025-02790-6	SDG 7
446	Photocatalytic Degradation of VOCs: Emerging Trends in Visible Light Catalyst Modifications and Surface Engineering	Rana, G. Viswanathan, K. Dhiman, V. Adole, V. Kumar, A. Ghotekar, S. Chauhan, A.	2025	Journal of Cluster Science	10.1007/s10876-025-02799-x	SDG 9
447	Eco-Friendly Fabrication of Cr2V4O13 Nanoparticles: A Promising Material for Photocatalysis, Electrochemical Sensing, and Supercapacitor Applications: Eco-Friendly Fabrication of Cr2V4O13 Nanoparticles: A Promising Material for Photocatalysis - V. Dubey et	Dubey, V. Parikh, K.D. Jadav, R.J. Vyas, D.H. Avinash, B. Ravikumar, C.R. Kumar, A.N. Rao, H.S. Kumar, D. Ghotekar, S.	2025	Journal of Cluster Science	10.1007/s10876-024-02720-y	SDG 3
448	Molecular Identification of Dengue Virus Strains in Laboratory-Confirmed Dengue Cases	Kumar, P. Alice, P.S.R. Shanmugam, P.	2025	Journal of Communicable Diseases	10.24321/0019.5138.202590	SDG 3
449	Exploring Molecular Diagnostic Approaches for HPV	Munirathnam, A. Soundararajan, N. Kumar, A.M. Shanmugam, P.	2025	Journal of Communicable Diseases	10.24321/0019.5138.202587	SDG 3

450	Carcinoma Erysipeloides	Sekar, M. R.M., K.	2025	Journal of Cutaneous Medicine and Surgery	10.1177/12034754251341873	SDG 3
451	Eco-friendly methods for synthesis of MgS@CuS nanocomposite for overcoming multidrug resistance bacteria: In silico assessment study	Jawad, K.H. Hasen, T.S. Hammoud, D. Hasoon, B.A. Jabir, M.S. Ghotekar, S. Swelum, A.A.	2025	Journal of Drug Delivery Science and Technology	10.1016/j.jddst.2025.106998	SDG 3
452	Nurses at the forefront in cervical cancer: HPV vaccine promotion to combat the deadly disease in India	Agrawal, S. Padhan, S. Panneerselvam, S. Ramasamy, S.	2025	Journal of Education and Health Promotion	10.4103/jehp.jehp_1588_24	SDG 3
453	Recent updates on full solar spectrum metal sulphides photocatalyst for hydrogen peroxide generation: Modification strategies and mechanistic insights	Soni, V. Malhotra, M. Singh, P. Khan, A.A.P. Bawazir, W.A. Nguyen, V.-H. Ahamad, T. Van Le, Q. Raizada, P. Alzahrani, K.A.	2025	Journal of Environmental Chemical Engineering	10.1016/j.jece.2024.115151	SDG 7 SDG 12
454	Catalytic performance of graphdiyne for CO2 reduction and charge dynamics progress	Kaur, B. Singh, P. Singh, A. Van Le, Q. Chaudhary, V. Nguyen, V.-H. Asad, M. Khan, A.A.P. Marwani, H.M. Raizada, P.	2025	Journal of Environmental Chemical Engineering	10.1016/j.jece.2025.116904	SDG 13
455	Engineered boron-doped biochar for sustainable environmental remediation and circular energy systems: A review	Quang, H.H.P. Nguyen, P.K.T. Singh, P. Raizada, P. Nguyen, V.-H.	2025	Journal of Environmental Chemical Engineering	10.1016/j.jece.2025.118194	SDG 6 SDG 7 SDG 9 SDG 12
456	Plastic pollutants: From wastes to fuels and high-value chemicals	Poonia, K. Dinh, D.A. Singh, P. Ahamad, T. Thakur, S. Raizada, P. Quang, H.H.P. Khan, A.A.P. Nguyen, V.-H.	2025	Journal of Environmental Chemical Engineering	10.1016/j.jece.2025.116562	SDG 7
457	Advancing nanomaterial adsorbents for water purification: PEG-modified MoS2nanoflowers target diclofenac in the aquatic environment	Solayman, H.M. Hsu, C.-J. Zheng, Z.-R. Jagadeesan, D. Aziz, A.A. Khoo, K.S. Chao, H.-R. Jiang, J.-J.	2025	Journal of Environmental Chemical Engineering	10.1016/j.jece.2025.118492	SDG 3 SDG 6
458	Sources, health risks, environmental implications, and management strategies of microplastics with a focus on landfill leachate	Safaei, M. Bashardoust, P. Kakavandi, B. Dehghanifard, E. Sagadevan, S. Pelalak, R.	2025	Journal of Environmental Management	10.1016/j.jenvman.2025.127966	SDG 3 SDG 6 SDG 11 SDG 12 SDG 14
459	Study on Pattern and Characteristics of Medico Legal Cases in Casualty of Chettinad Hospital and Research Institute, Kelambakkam	Vijay, S. Raj, A. Uppu, R.S. Sibi, S.M.	2025	Journal of Forensic Medicine Science and Law	10.59988/jfmsl.vol.34issue2.5	SDG 3 SDG 5 SDG 8 SDG 11 SDG 16
460	Alleviating lanthanum stress in tomato plants using MnO nanoparticles and triacontanol: Impacts on growth, photosynthesis, and antioxidant defense	Babzada, S.A. Raja, V. Bhat, A.H. Qadir, S.U. Radhakrishnan, A. Kumar, N. Alsahli, A.A. Ahmad, P.	2025	Journal of Hazardous Materials	10.1016/j.jhazmat.2025.137746	SDG 2
461	Biodegradation of polyvinyl chloride using vermibacteria under variable physicochemical conditions	Andleeb, S. Munir, M. Ali, M.I. Imdad, K. Balachandrar, R. Mani, R.R. Chandrasekaran, M. Jones, S. Radhakrishnan, A. Chang, S.W. Ravindran, B.	2025	Journal of Hazardous Materials Advances	10.1016/j.jhazadv.2024.100571	SDG 3 SDG 14
462	Association between Cytochrome P450 1B1 (rs1056836), C-C Chemokine Receptor Type 2 (rs1799864), and Monocyte Chemoattractant Protein-1 (rs1163763) Gene Polymorphism and Head-and-neck Cancer and Oral Squamous Cell Carcinoma Risk: A Systemic	Antony, B.S. Natarajan, P.M. Ramachandran, V. Subbaraj, G.K.	2025	Journal of Head and Neck Physicians and Surgeons	10.4103/jhnps.jhnps_128_24	SDG 3
463	Rodenticide Poisoning: A Case Series of Deliberate Self-harm Admitted to a Tertiary Health Care Hospital in Northern Karnataka	K, D. G, A. S, M.K. M, V. R, P. KK, A.	2025	Journal of Indian Academy of Forensic Medicine	10.1177/09710973251356770	SDG 3
464	Mandibular Lymphoma: A Rare Case Report	Ashwinthan, M. Mabel, R.C. Subiksha, P.S. Pooja, P.A.	2025	Journal of Indian Academy of Oral Medicine and Radiology	10.4103/jiaomr.jiaomr_315_25	SDG 3
465	Evaluation of the association between insulin resistance and the development of periodontitis in individuals with varying levels of dietary sugar intake - A pilot study	Caleb, C.L. Dharuman, S. Sundhar, M.P. Chellapandi, S. Balaji, U.G.	2025	Journal of Indian Society of Periodontology	10.4103/jisp.jisp_125_24	SDG 3
466	NdFeO3 Anchored on Co-MOF as nano-photocatalyst for Efficient photo degradation of TC drug from Water	Rana, G. Kalaichelvan, S. Chauhan, A. Ali, S.K. Jawhari, A.H. Ismail, K.S. Imran, M. Alid, S.K.	2025	Journal of Inorganic and Organometallic Polymers and Materials	10.1007/s10904-025-03658-y	SDG 6
467	Tuning ZnCdS heterostructures for enhanced photocatalysis: hybrid architectures for sustainable energy and environmental applications	Sambyal, S. Raizada, P. Chawla, A. Parwaz Khan, A.A. Thakur, S. Nguyen, V.-H. Singh, P.	2025	Journal of Materials Chemistry A	10.1039/d5ta04144a	SDG 7

468	Recent advancements in sustainable CO2 conversion utilizing black TiO2-based photocatalysts	Sambyal, S. Sudhaik, A. Sonu Raizada, P. Singh, A. Nguyen, V.-H. Kaya, S. Parwaz Khan, A.A. Singh, P. Alzahrani, K.A.	2025	Journal of Materials Science	10.1007/s10853-025-11321-7	SDG 7 SDG 13
469	Borophene-based nanomaterials: Promising candidates for next-generation gas/vapor chemiresistors	Chaudhary, V. Sonu, S. Taha, B.A. Raizada, P. Rustagi, S. Chahal, S. Singh, P. Khosla, A. Nguyen, V.-H.	2025	Journal of Materials Science and Technology	10.1016/j.jmst.2024.08.038	SDG 3
470	Carcinogenic Role of Latent Membrane Protein-1 in Oral Squamous Cell Carcinoma and Oral Potentially Malignant Disorders and Their Effects on Prognosis: A Systematic Review and Meta-Analysis	Selvam, R. Munusamy, N. Mehta, M.K. Dinesh, Y. Sivakumar, N. Sharma, P. Chandra, S.	2025	Journal of Maxillofacial and Oral Surgery	10.1007/s12663-024-02346-7	SDG 3
471	A Rare Case of Thymic Carcinoma: Unusual Presentation of Multiple Lymph Node Metastases Masquerading as Lymphoproliferative Disorder	Raghavan, V. Srinivasan, S. Kanna, N.R.R. Chandrasekaran, K. Isaac, J.B.	2025	Journal of Microscopy and Ultrastructure	10.4103/jmau.jmau_119_23	SDG 3
472	Unveiling the Evolutionary History and Functional Significance of the Protein Z-Dependent Protease Inhibitor (ZPI) Across Vertebrates	Suganthi, C. Akshayaa, P. Sengupta, T. Manoj, N.	2025	Journal of Molecular Evolution	10.1007/s00239-025-10267-3	SDG 3
473	Current status and future directions: Separation of rare earth elements by sorption processes	Saravanan, P. Kannan, R.R. Saravanan, V. Venkatkumar, S. Rajasimman, M. Sagadevan, S. Baskar, G.	2025	Journal of Molecular Liquids	10.1016/j.molliq.2024.126751	SDG 3 SDG 14
474	Fused pyrido[3,4-D]pyrimidine moiety with phthalazine ring accelerate dual inhibition of PARP1 and CDK4 in triple-negative breast cancer: a hybrid design with computational investigation through molecular modeling and quantum mechanics	Sivakumar, M. Roshni, J. Ahmad, S.F. Attia, S.M. Ramasamy, M. Ahmed, S.S.S.J.	2025	Journal of Molecular Modeling	10.1007/s00894-025-06393-w	SDG 3
475	Unveiling the potency of graphene-based materials for water remediation: A brief review	Lestari, D.Y. Wijaya, K. Syoufian, A. Hariani, P.L. Utami, M. Saviola, A.J. Fitri, R.A. Wahyuningsih, P. Bhagaskara, A. Wangsa, W. Chang, S.W. Ravindran, B.	2025	Journal of Molecular Structure	10.1016/j.molstruc.2025.142018	SDG 3 SDG 6
476	A neutral 1D polymeric Hg(II) complex harvested from 9-butyl adenine: Synthesis, crystal structure, Hirshfeld surface, DFT optimization, and anti-microbial activities	Bhattacharjee, T. Nath, S. Sen, T. Nethaji, K. Farhana, A. Roy, S. Bailya, N. Gannon, P.M. Kaminsky, W. Banerjee, A. Shanmugam, P. Gargari, M.S. Pathak, S. Adhikari, S.	2025	Journal of Molecular Structure	10.1016/j.molstruc.2025.142389	SDG 3
477	Au-based core-shell nanoparticles for wastewater treatment and hydrogen production: An insight	Verma, R. Aljohani, K. Aljohani, B.S. Chauhan, A. Kumar, P. Singh, S. Thakur, P. Pallavi, P.	2025	Journal of Molecular Structure	10.1016/j.molstruc.2025.141492	SDG 3 SDG 6
478	Structural and Biological Investigation of (E)-2-((2-Butyl-4-Chloro-1H-Imidazol-5-yl)methylene)Hydrazine-1-Carbothioamide: Synthesis, Structural Insights, Antitubercular Screening, Molecular Docking, DFT, and ADMET Studies	Adole, V.A. Kumar, A.R. Selvaraj, S. Shinde, R.A. Yelame, G.B. Ghotekar, S.K. A, A.P.F.	2025	Journal of Molecular Structure	10.1016/j.molstruc.2025.142560	SDG 3
479	Unraveling the mechanistic insights of the molecular structure of 2D carbon-based materials for sustainable environmental applications—A review	Rana, G. Ali, S.K. Jawhari, A.H. Rao, S.K. Dhiman, V.K. Ghotekar, S. Chauhan, A.	2025	Journal of Molecular Structure	10.1016/j.molstruc.2025.143233	SDG 6 SDG 7 SDG 13
480	Hyperinfection syndrome with Strongyloides stercoralis in an Immunocompromised Patient with Diabetes: A Case Report	Annappoorani, S.A. Luke, M.S. Shanmugam, P.	2025	Journal of Mycology and Infection	10.17966/JMI.2025.30.3.107	SDG 2 SDG 3
481	Molecular Profiling of Virulence and Antimicrobial Resistance in Streptococcus pneumoniae Isolated from Respiratory Specimens: A Prospective Tertiary Care Hospital Study	Sonai, P. Shanmugam, P. Louis P, J.M. Selvbai R, A.P.	2025	Journal of Mycology and Infection	10.17966/JMI.2025.30.3.75	SDG 3
482	Coexistence of Tuberculous Mastitis and Infiltrating Ductal Carcinoma: A Case Report	Krishnan, R. Munirathinam, A. Shanmugam, P.	2025	Journal of Mycology and Infection	10.17966/JMI.2025.30.4.140	SDG 3
483	Layered double hydroxide nanocomposites: a promising platform for sustainable photocatalytic solutions—a short review	Selvaraj, V. S, S. Karuppasamy, G.	2025	Journal of Nanoparticle Research	10.1007/s11051-024-06167-0	SDG 13
484	Phytochemical Screening, HPTLC, GC-MS and In Vitro Antioxidant Analyses of Ethanol Extract of Strychnos potatorum Seeds	Shankaranarayanan, A. Subramanian, M. Periyasamy, R. Anbumani, S.K. Raj Thomson, J.E. Venugopal, N.	2025	Journal of Natural Remedies	10.18311/jnr/2025/47431	SDG 3
485	Primary central nervous system Hodgkin's lymphoma – A case report and review of literature	Thrinadh, B. Karthikeyan, K.V. Raghavan, V. Sathyaseelan, M. Ramesh, V.G.	2025	Journal of Neurosciences in Rural Practice	10.25259/JNRP_402_2024	SDG 3

486	Validation of salivary microRNA 301a as a potential non-invasive diagnostic biomarker in gastric carcinoma	Radhika, T. Gopalakrishnan, S. Muthukumar, S.R. Hari, R. Jeyaraman, M. Vijetha, G.	2025	Journal of Oral and Maxillofacial Pathology	10.4103/jomfp.jomfp_39_25	SDG 3
487	Evaluation of cytotoxic effects of fruit extracts on oral cancer cell lines: An in vitro experimental study	Srinivasan, S. Muthukumar, R.S. Nachiappan, N.N. Chellaswamy, S. Sri, P.V.L.	2025	Journal of Oral and Maxillofacial Pathology	10.4103/jomfp.jomfp_328_24	SDG 3
488	Empowering public health: Leveraging AI for early detection, treatment, and disease prevention in communities - A scoping review	Nivethitha, V. Daniel, R.A. Surya, B.N. Logeswari, G.	2025	Journal of Postgraduate Medicine	10.4103/jpgm.jpgm_634_24	SDG 3 SDG 10
489	Insights into the solar-light-driven photocatalysis of greenly synthesized CoCr2O4 nanoparticles using Azadirachta indica	Patel, K. Abhale, Y. Mishra, S.R. Gadore, V. Roy, S. Ahmaruzzaman, M. Singh, K.R.B. Singh, J. Kumar, D. Ghotekar, S.	2025	Journal of Sol-Gel Science and Technology	10.1007/s10971-025-06711-x	SDG 3 SDG 6
490	Predictive Performance of Hypertensive Disorders of Pregnancy Gestosis Score for Preeclampsia: A Retrospective Case-Control Study	Sundaram, M.T. Murugan, P. Avudaiappan, A.P. Kandasamy, V.	2025	Journal of South Asian Federation of Obstetrics and Gynaecology	10.5005/jp-journals-10006-2736	SDG 3
491	Synchronous breast carcinoma with ipsilateral axillary tuberculosis, posing a diagnostic dilemma	Raj, F.A. Ajmal, I.T. Thiagarajan, A. Ajmal, M.Y. Selvam, P. Muraidhar, V.	2025	Journal of Surgical Case Reports	10.1093/jscr/rjaf218	SDG 3
492	From flowers to function: Structural and biomedical exploration of iron oxide nanoparticles synthesized from Rhododendron arboreum extract	Saba, I. Dhiman, V.K. Kalaichetvan, S. Subbarayan, R. Chauhan, A. Verma, R. Batoo, K.M. Hameed, S. Ibrahim, A.A.	2025	Journal of Taibah University Medical Sciences	10.1016/j.jtumed.2025.09.005	SDG 3
493	Innovative approach to solar hydrogen generation using SnO2 photocatalyst in water splitting	Junaid, M. Sharaf, M. El-Meligy, M. Riaz, M.A. Dar, M.A. Khan, I.U.	2025	Journal of the Chinese Chemical Society	10.1002/jccs.70009	SDG 7 SDG 13
494	Improved hydrogen evolution efficiency in water splitting with WO ₃ thin film via physical vapor deposition	Junaid, M. Sharaf, M. El-Meligy, M. Riaz, M.A. Dar, M.A. Khan, I.U.	2025	Journal of the Chinese Chemical Society	10.1002/jccs.202500009	SDG 7 SDG 13
495	Investigating the impact of IKZF1 SNPs rs4132601 and rs11978267 on acute lymphoblastic leukemia: a comprehensive meta-analysis	Thomas, S.M. Muruganantham, J.K. Sekar, P.K.C. Iyshwarya, B.K. Veerabathiran, R.	2025	Journal of the Egyptian National Cancer Institute	10.1186/s43046-025-00274-2	SDG 3
496	Optimising the structural and ionic conductivity of bismuth tantalate fluorites through rare-earth element doping	Firman, K. Feng, Y. Alvin Lim, T.Z. Raman, V. Khaw, C.C. Ghotekar, S. Ananda Murthy, H.C. Chan, K.Y. Lu, M. Sun, J. Zhou, D. Tan, K.B.	2025	Journal of the Indian Chemical Society	10.1016/j.jics.2025.101865	SDG 7
497	Microalgae cultivation in stabilized landfill leachate for simultaneous treatment and biomass production	Liew, L.W. Bashir, M.J. Toh, P.Y. Alazaiza, M.Y.D. Amr, S.S.A. Khoo, K.S. Raksasat, R. Lim, J.W.	2025	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.105068	SDG 7 SDG 12
498	Batch cultivation of Chlorella vulgaris and simultaneous treatment of restaurant wastewater	Ahmad, I. El-Sheekh, M.M. Abdullah, N. Kamyab, H. Iwamoto, K. Chong, J.W.R. Khoo, K.S.	2025	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105815	SDG 6 SDG 15
499	Phytomediated Chitosan-Modified TiO ₂ NPs for Enhanced Photocatalytic and Potential Application for Breast Cancer Therapy	Chauhan, A. Subbarayan, R. Ravi, K. Verma, R. Rao, S. Girija, D. Gopalakrishnan, C. Rana, G.	2025	Luminescence	10.1002/bio.70162	SDG 3
500	Ruthenium-doped ZnSnO ₃ nanoparticles for efficient sonophotocatalytic dye degradation and wastewater treatment	Veni, K.K. Kavitha, R. Sagadevan, S. Nehru, L.C.	2025	Materials Science and Engineering: B	10.1016/j.mseb.2025.118037	SDG 6
501	Epithelial-Mesenchymal Transition in Cancer: Insights Into Therapeutic Targets and Clinical Implications	Srinivasan, D. Balakrishnan, R. Chauhan, A. Kumar, J. Girija, D.M. Shrestha, R. Shrestha, R. Subbarayan, R.	2025	MedComm	10.1002/mco2.70333	SDG 3
502	Nanotechnology in Imatinib delivery: advancing cancer treatment through innovative nanoparticles	Ghadami, A. Fathi-karkan, S. Siddiqui, B. Gondal, S.A. Rahdar, A. Garousi, N.A. Kharaba, Z. Ghotekar, S.	2025	Medical Oncology	10.1007/s12032-025-02660-1	SDG 3 SDG 9
503	Breast Cancer Progression and Its Theranostic Management via Folate-Directed Targeting of Glycoprotein Receptor	Girigoswami, K. Girigoswami, A.	2025	Medical sciences	10.3390/medsci13040275	SDG 3

504	Solution towards low yield biosurfactant production from bacteria, a novel approach using microalgae–bacteria consortium	Ng, Y.J. Khoo, K.S. Chew, K.W. Tang, D.Y.Y. Alharthi, S. Mayol, A.P. Show, P.L.	2025	Microbial Cell Factories	10.1186/s12934-025-02830-w	SDG 9
505	Emerging Role of Arbuscular Mycorrhizal Fungi in Sustainable Agriculture: From Biology to Field Application	Kumar, A. Kumar, R. Singh, P. Kalaichelvan, S. Santos-Villalobos, S.D.L. Kumar, N. Fernando, L. Kumar, R. Solanki, M.K. Joshi, N.C. Babalola, O.O.	2025	MicrobiologyOpen	10.1002/mbo3.70082	SDG 2 SDG 8 SDG 12
506	Infectious Triggers and Immune Dynamics in Guillain-Barré Syndrome: Revisiting <i>Campylobacter jejuni</i> and the Silent Role of <i>Haemophilus influenzae</i>	Ramesh, A. Subbarayan, R. Srinivasan, D. Balakrishnan, R. Shrestha, R. Chauhan, A.	2025	MicrobiologyOpen	10.1002/mbo3.70177	SDG 3
507	Gut Microbiota and Its Importance in Health and Disease	Midya, S. Banerjee, A. Pathak, S. Duttaroy, A.K.	2025	Microbiota and Dietary Mediators in Colon Cancer Prevention and Treatment	10.1007/978-981-96-0297-1_1	SDG 3
508	Microbiota and Dietary Mediators in Colon Cancer Prevention and Treatment	Pathak, S. Banerjee, A. Duttaroy, A.K.	2025	Microbiota and Dietary Mediators in Colon Cancer Prevention and Treatment	10.1007/978-981-96-0297-1	SDG 3
509	Green Synthesis of Iron Oxide Nanoparticles for Treating Coffee Cherry Pulping Wastewater: Environmental Implications	Chandran, T. Thulasi, A.S. Elayaperumal, M. Al-Khattaf, F.S. Hatamleh, A.A. Ravi, K. Chang, S.W. Ravindran, B.	2025	Microscopy Research and Technique	10.1002/jemt.70047	SDG 3 SDG 6 SDG 9 SDG 12
510	A review on current theories and potential therapies for prion diseases	Udayakumar, S. Girigoswami, A. Girigoswami, K.	2025	Molecular Biology Reports	10.1007/s11033-025-10754-2	SDG 3
511	Klotho protein: a multifaceted regulator in aging and cancer dynamics	Nambidi, S. Pallatt, S. Banerjee, A. Pathak, S. Chan, M.K.S.	2025	Molecular Biology Reports	10.1007/s11033-025-10575-3	SDG 3
512	A pilot study on the efficacy of a telomerase activator in regulating the proliferation of A375 skin cancer cell line	Makalakshmi, M.K. Banerjee, A. Pathak, S. Paul, S. Sharma, N.R. Anandan, B.	2025	Molecular Biology Reports	10.1007/s11033-024-10161-z	SDG 3
513	A Simple and Rapid Method of Probiotic Bacterial Ghost Cell Preparation to Deliver <i>Mycobacterium tuberculosis</i> Antigen	Aarthy, Y. Anjana, A. Tejal, G. Shanmugaraja, M. Ramadevi, S. Princess, R.	2025	Molecular Biotechnology	10.1007/s12033-024-01260-0	SDG 3
514	Enhancing Colorectal Cancer Treatment: The Role of <i>Bifidobacterium</i> in Modulating Gut Immunity and Mitigating Capecitabine-Induced Toxicity	Ramesh, A. Srinivasan, D. Subbarayan, R. Chauhan, A. Krishnamoorthy, L. Kumar, J. Krishnan, M. Shrestha, R.	2025	Molecular Nutrition and Food Research	10.1002/mnfr.70023	SDG 3
515	Doping in 2D heterostructures	de Souza, F.M. Raizada, P. Lims, S.C. Singh, P. Kumar, R. Soni, V. Nguyen, V.-H. Ponnusamy, V.K. Gupta, R.K. Pham, P.V.	2025	Nano Energy	10.1016/j.nanoen.2025.111350	SDG 7
516	Recent progress in the synthesis of CuCr2O4nanomaterials and their composites for catalytic, energy, and biomedical applications: a state-of-the-art-review	Patel, K. Patil, M. Abhale, Y. Lin, K.-Y.A. Tan, K.B. Chauhan, A. Kumar, A. Adole, V. Jabir, M.S. Ghotekar, S.	2025	Nanoscale	10.1039/d5nr03084f	SDG 3 SDG 7
517	Mangrove pneumatophores as biocatalysts for the fabrication of silver nanoparticles and their potential applications against biofilm formation and hepatic carcinoma	Nayak, D. Mishra, A.K. Biswas, K. Sen, A. Malakar, C. Panda, J. Kungwani, N.A. Rustagi, S. Panda, B.P. Mohanta, Y.K.	2025	Nanoscale Advances	10.1039/d4na00722k	SDG 3
518	Theranostic dye entrapped in an optimized blended-polymer matrix for effective photodynamic inactivation of diseased cells	Pallavi, P. Girigoswami, K. Harini, K. Gowtham, P. Thirumalai, A. Girigoswami, A.	2025	Naunyn-Schmiedeberg's Archives of Pharmacology	10.1007/s00210-024-03321-2	SDG 3
519	Uniform Standard of Neurosurgery Training and Evaluation in India – Need of the Hour	Ramesh, V.G.	2025	Neurology India	10.4103/neurol-india.neurol-india_2_25	SDG 4
520	Biosynthesized ZnO nanoparticles potentiate cytotoxicity: in vitro and in silico analysis	Aggarwal, N. Kapoor, A. Raja, V. Kumar, R. Ahmad, S.S. Panwar, R.S. Anand, G. Sharma, N. Ravi, K. Kumar, N.	2025	New Journal of Chemistry	10.1039/d5nj01211b	SDG 3
521	Nanoparticles and the Vaginal Microbiota: Diagnostic and Therapeutic Innovations in Human Papilloma Virus-associated Cervical Cancer – A Systematic Review	Velmurugan, S. Ganesan, K. Rajasundaram, A. Thangam, C. Cyril, R. Subbaraj, G.K.	2025	Nigerian Postgraduate Medical Journal	10.4103/npjm.npmj_265_24	SDG 3

522	Collagen Type 1 Alpha 1 Chain as a Potential Therapeutic Target Shared Among Subtypes of Head and Neck Squamous Cell Carcinoma: Quantum Chemical Modeling of Bleomycin for Anticancer Drug Repurposing	Kumar, A. Roshni, J. Sivakumar, M. Velayudam, J. Ahmad, S.F. Attia, S.M. Ahmed, S.S.	2025	OMICS A Journal of Integrative Biology	10.1177/15578100251359275	SDG 3
523	A brief review of Lynch syndrome: understanding the dual cancer risk between endometrial and colorectal cancer	Pallatt, S. Nambidi, S. Adhikary, S. Banerjee, A. Pathak, S. Duttaroy, A.K.	2025	Oncology Reviews	10.3389/or.2025.1549416	SDG 3
524	EXPLORING THE RELATIONSHIP BETWEEN DIETARY PATTERNS AND THE RS2241766 POLYMORPHISM IN THE ADIPONECTIN GENE IN CORONARY ARTERY DISEASE: A GENE-DIET INTERACTION STUDY	Bhashira, R. Gopalakrishnan, S.	2025	One Health and Risk Management	10.38045/ohrm.2025.2.01	SDG 3
525	Commentary on Lee et al: From crisis to diagnosis: redefining the emergency department's role in head and neck cancer detection	Krishnan, M. Babu, S.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7546	SDG 3
526	Letter to the editor "Integrating nutritional profiling into immunotherapy: A modifiable predictor of outcomes in head and neck Cancer"	Sharfunnis, S.H. Rahmathullah, A.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7539	SDG 3
527	Letter to the editor: Molecular stratification in papillary thyroid carcinoma: Should RET fusions redefine aggressiveness in the post-BRAF era?	Krishnan, M. Chawla, K.K. Babu, S. D, S. Solomon, A. Daniel, P. Asir, B. Sarojini, K.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7543	SDG 3
528	Letter to the editor: Risk-adapted chemotherapy in NPC: Aligning EBV DNA dynamics with AJCC staging for individualized treatment	Krishnan, M. Chawla, K.K. Babu, S. Solomon, A. Daniel, P. Asir, B. K, S.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7521	SDG 3
529	Letter to the editor: Toward personalized immunotherapy in OPSCC: Lessons from HPV-driven checkpoint expression	Krishnan, M. Babu, S. Rahmathullah, A.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7547	SDG 3
530	Revolutionizing HPV-driven cancer surveillance: A commentary on the validation of the HPV-SEQ liquid biopsy platform	Babu, S. Solomon, A. Krishnan, M.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7527	SDG 3
531	Comment on: "Pathological primary tumor status, rather than adjuvant therapy, predicts survival outcomes in pT1-3N1M0 oral cavity squamous cell carcinoma: A nationwide cohort study"	Babu, S. Krishnan, M.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7559	SDG 3
532	Letter to the editor: redefining surgical paradigms in isthmic papillary thyroid carcinoma: a timely reappraisal	Krishnan, M. Babu, S.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7562	SDG 3
533	Commentary on "High expression of H2AX/γ-H2AX is associated with distinct biological pathway alterations and shorter survival in oropharyngeal squamous cell carcinoma"	Babu, S. Krishnan, M. Ravi, P.S.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7569	SDG 3
534	Commentary on "Selected laryngeal squamous cell carcinomas with laryngeal mobility impairment are suitable for curative larynx-preservation treatment: A multi-institutional study on 406 patients from the ARVELIX collaborative group"	Babu, S. Krishnan, M.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7560	SDG 3
535	Commentary on "Evaluation of the 10 %-rule in sentinel lymph node biopsy for clinically node-negative oral squamous cell carcinoma"	Babu, S. Krishnan, M. Ravi, P.S.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7551	SDG 3
536	Comments on "Towards transcervical ultrasound-guided transoral robotic surgery"	Babu, S. Krishnan, M.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7570	SDG 3
537	Commentary on: From mutation maps to clinical impact: Unraveling OSCC genomics in a Japanese nationwide cohort	Krishnan, M. Babu, S. Rahmathullah, A.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7555	SDG 3
538	Preserving the mandible, protecting the patient: A commentary on fracture risk following marginal mandibulectomy in head and neck cancer	Krishnan, M. Jothishanmugam, A. Mari, A. Babu, S.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7575	SDG 3
539	Commentary on "Massive nasal bleeding in nasopharyngeal carcinoma: Incidence, risk predictors, and survival impact"	Babu, S. Solomon, A. Krishnan, M.	2025	Oral Oncology	10.1016/j.oraloncology.2025.10.7528	SDG 3

540	"Commentary on: Long-term health-related quality of life in oral cancer survivors following microvascular tongue reconstruction"	Babu, S. Krishnan, M. Ravi, P.S.	2025	Oral Oncology	10.1016/j.oraloncology.2025.107552	SDG 3
541	HPV status and staging in oropharyngeal carcinoma: A review of recent AJCC/UICC revisions	Krishnan, M. Basappa, S. Babu, S. P, S.	2025	Oral Oncology Reports	10.1016/j.oor.2024.100694	SDG 3
542	Screen time exposure and academic performance, anxiety, and behavioral problems among school children	Sidiq, M. Janakiraman, B. Kashoo, F. Jastania, R. Athusayni, A.I. Alzaharani, A. Chahal, A. Thiagarajan, A. Khan, I. Kumar, C. Vasanthi, R.K. Alanazi, F. Ahmad, M. Sehgal, C.A. Khan, S. Alshadid, M.	2025	PeerJ	10.7717/peerj.19409	SDG 3 SDG 4
543	Targeting Cytokine-Mediated Inflammation in Brain Disorders: Developing New Treatment Strategies	Mallick, R. Basak, S. Chowdhury, P. Bhowmik, P. Das, R.K. Banerjee, A. Paul, S. Pathak, S. Dutta, A.K.	2025	Pharmaceuticals	10.3390/ph18010104	SDG 3
544	Inhibitory Effect of Nano-Formulated Extract of Passiflora incarnata on Dalton's Lymphoma Ascites-Bearing Swiss albino Mice	Deepika, B. Janani, G. Jessy Mercy, D. Udayakumar, S. Girigoswami, A. Girigoswami, K.	2025	Pharmaceutics	10.3390/pharmaceutics17020270	SDG 3
545	Protective role of terminalia chebula and coconut oil in acute lung injury: Bioactive compound analysis and histopathological evidence	Solaiyappan, K. Bandlamudi, S. Prathap, L. Ponnusamy, V. Babu, S.	2025	Pharmacological Research - Modern Chinese Medicine	10.1016/j.prmcm.2025.100634	SDG 3
546	Recent advances in phosphorus nano-fertilizers: Impacts on crop productivity and soil sustainability	Dhiman, V.K. Dhiman, V.K. Rana, G. Kumar, R. Singh, D. Chauhan, A. Jabir, M. Ghotekar, S.	2025	Physiological and Molecular Plant Pathology	10.1016/j.pmpp.2025.102885	SDG 2 SDG 8
547	Nanomaterials for sustainable agriculture: Plant physiology and environmental resilience	Dhiman, V.K. Rana, G. Dhiman, V.K. Subbarayan, R. Sharma, M. Singh, D. Jabir, M. Ghotekar, S. Chauhan, A.	2025	Physiological and Molecular Plant Pathology	10.1016/j.pmpp.2025.102824	SDG 2 SDG 8 SDG 12
548	Nanopesticides in plant protection: Potentials, mechanistic insights, and future perspectives against phytopathogens and insect pests	Bhanwala, G. Kimta, N. Ravi, K.	2025	Physiological and Molecular Plant Pathology	10.1016/j.pmpp.2025.102851	SDG 2 SDG 3
549	From Hormones to Harvests: A Pathway to Strengthening Plant Resilience for Achieving Sustainable Development Goals	Das, D. Kashtoh, H. Panda, J. Rustagi, S. Mohanta, Y.K. Singh, N. Baek, K.-H.	2025	Plants	10.3390/plants14152322	SDG 2 SDG 8 SDG 9 SDG 12 SDG 13
550	A Study of the Mechanical and Biological Properties of Laser-Generated Nanocomposite Materials	Al-Taie, A. Rajab, F.H. Taha, R.M. Ibrahim, H.A. Albukhaty, S. Jabir, M.S. Ghotekar, S. Akhtar, M.F. Swelum, A.A.	2025	Plasmonics	10.1007/s11468-025-03177-z	SDG 3
551	Unleashing the anti-tumor angiogenic potential of nano-formulated orientin: In Silico, In Vitro, and In Ovo studies	Elumalai, Y. Nachammai, K. Chandrasekaran, K. Kulanthaivel, L. Stephen, S.B. Shil, K. Anandan, R.K. Bima, A.I. Khan, Z. Burzangi, A.S. Shaik, N.A. Al-Rayes, N. Subbaraj, G.K.	2025	PLOS ONE	10.1371/journal.pone.0322564	SDG 3
552	Algae Windows: A Novel Approach Towards Sustainable Building Design and Energy Conservation	Nguyen, T.D. Le, H.T.H. Khoo, K.S. Bui, H.M.	2025	Polish Journal of Environmental Studies	10.15244/pjoes/188699	SDG 7 SDG 12
553	Assessment of Pulmonary Function and Quality of Life in Salon Workers Exposed to Chemicals: Insights from MMRC and St. George's Questionnaire	Jaypal, J. Narasimhan, M. Lakshmanan, M. Rathinam, S. Mani, V.	2025	Pravara Medical Review	10.36848/PMR/2025/33300.23333	SDG 3
554	Radiation therapy-induced normal tissue damage: involvement of EMT pathways and role of FLASH-RT in reducing toxicities	Srinivasan, D. Subbarayan, R. Krishnan, M. Balakrishna, R. Adtani, P. Shrestha, R. Chauhan, A. Babu, S. Radhakrishnan, A.	2025	Radiation and Environmental Biophysics	10.1007/s00411-024-01102-2	SDG 3
555	A Mini-review On Angiogenesis and Its Role in Cancer	Pushpendran, H. Pravin, Y.R. Rahim, R. Pandiarajan, S. Vedakumari, S.W.	2025	Regenerative Engineering and Translational Medicine	10.1007/s40883-025-00502-0	SDG 3
556	Enhancing biohydrogen production through microbial fermentation with the addition of nanometal ions	Brindhadevi, K. Pugazhendhi, A.	2025	Renewable and Sustainable Energy Reviews	10.1016/j.rser.2025.115552	SDG 7
557	A Comprehensive Review on a Promising Source for Anticancer Research: Sansevieria	Sibi, S. Mythreyi, R. Joseph, L.	2025	Research Journal of Pharmacy and Technology	10.52711/0974-360X.2025.00491	SDG 3

558	Enhancing three-way reforming in a blast furnace: insights into the effects of hexagonal boron nitride addition on Ni-Cu-based catalysts with different supports and their reaction mechanisms	Chen, Y.-C. Wu, J.C.S. Nguyen, V.-H. Cheng, W.-H. Lin, Y.-J. Lin, C.-M. Wang, C.-H. Lin, S.-K.	2025	Research on Chemical Intermediates	10.1007/s11164-025-05606-4	SDG 9 SDG 13
559	Emerging developments in plant-based metal nanomaterials for diverse versatile applications - A review	Rana, G. Dhiman, V.K. Ali, S.K. Chauhan, A. Jabir, M.S. Ghotekar, S.	2025	Results in Chemistry	10.1016/j.rechem.2025.102231	SDG 3 SDG 9
560	Eco-friendly synthesis of ZnO nanoparticles using pomegranate leaves and its antimicrobial, antioxidant, anticancer, angiogenic activity, and toxicity assessment	Bapte, P.S. Pansambal, S. Bardapurkar, P.P. Ghotekar, S. Borgave, S.S.	2025	Results in Chemistry	10.1016/j.rechem.2025.102460	SDG 3
561	Enhancing the production of high-value bioproduct-enriched Spirulina biomass through salinity and phytohormone-stimulated two-stage cultivation in hydroponic effluent	Maneechote, W. Pathom-aree, W. Cheirsilp, B. Khoo, K.S. Srimongkol, P. Huo, S. Srinuanpan, S.	2025	Results in Engineering	10.1016/j.rineng.2025.107842	SDG 6 SDG 7 SDG 13
562	Association of visible fat intake with serum liver enzymes in obese individuals	Jayakumar, A.S. Ganesan, A.	2025	Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	10.46389/rjd-2025-1549	SDG 3
563	The association between seafood consumption and non-seafood consumption with serum levels of non-HDL cholesterol	Bhashira, R. Gopalakrishnan, S.	2025	Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	10.46389/rjd-2025-1610	SDG 3
564	Unlocking precision: evaluating the impact of K2 and K3 EDTA anticoagulants on HbA1c analysis	Arumugam, S. Subbarayalu, S. Subramani, S. Lakshmanan, K.	2025	Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	10.46389/rjd-2025-1620	SDG 3
565	Assessment of serum sirtuin 1 levels in type 2 diabetes mellitus with coronary artery disease patients	Selvaraj, H. Gopalakrishnan, S. Elango, N.N. Kalimuthu, S.	2025	Romanian Journal of Medical Practice	10.37897/RJMP.2025.3.15	SDG 3
566	Hormonal changes and cancer risk in post-menopausal women: HRT vs. seed supplementation	Sravanthi, D. Kayalvizhi, E. Niren, S. Kumar, M.A. Rahman, N.H.	2025	Romanian Medical Journal	10.37897/RMJ.2025.2.2	SDG 3
567	Furan-thiazole hydrazone scaffolds as promising antitubercular and antibacterial agents: synthesis, characterization, bioevaluation and computational analysis	Sable, Y.R. Shinde, R.A. Yasin, H.K.A. Ghanwate, N. Mali, S.N. Ghotekar, S.K. Gawari, D.P. Sasane, D.A. Adole, V.A.	2025	RSC Advances	10.1039/d5ra04238k	SDG 3
568	Exploring the anti-microbial potential of benzylated imidazolium salts: synthesis, docking studies, and biological evaluation	Ganapathi, P. Ganesan, K. Vijaykanth, N. Muthialu, S. Ahmed, S.S.S.J. Alam, M.M. Hussien, M.	2025	RSC Advances	10.1039/d5ra04144a	SDG 3
569	Awareness of access to health care: a significant need of the Narikuravar people, India	Sharmil, H. Galletly, C. Kelly, J. Wilkes, T. George, A. Jaison, M. Karthiga, K. Myvizhi, K. Annamalai, K.	2025	Rural and Remote Health	10.22605/RRH9870	SDG 3 SDG 10
570	RAGE Gene Polymorphism with Microvascular Complications in Diabetic Patients: A Meta-Analysis	Stephen, S.B. Kulanthaivel, L. Subbaraj, G.K.	2025	Russian Journal of Genetics	10.1134/S1022795424701874	SDG 3
571	Magnetic field treatment as a catalyst for enhanced germination, growth, and biochemical properties of garlic seeds	Ali, K.A. Junaid, M. El-Meligy, M.A. Dar, M.A. Altarawneh, R. Ul-Haq, Z. Khan, I.U. Mahmoud, H.A.	2025	Scientia Horticulturae	10.1016/j.scienta.2025.114356	SDG 2 SDG 8 SDG 12
572	Pharmaceutical properties of novel 3-((diisopropylamino)methyl)-5-(4-((4-(dimethylamino) benzylidene) imino) phenyl)-1,3,4-oxadiazole-2(3H)-thione	Al-azawi, K.F. Hasoon, B.A. Ismail, R.A. Rasool, K.H. Jabir, M.S. Shaker, S.S. Jawad, K.H. Abdula, A.M. Ghotekar, S. Swelum, A.A.	2025	Scientific Reports	10.1038/s41598-025-98061-5	SDG 3
573	Bio-assessments of the antibiofilm, antioxidant, and plasmid inhibitory effects of zinc selenide nanoparticles synthesized using Stachys lavandulifolia extract	Saki, R. Shakib, P. Nomanpour, B. Amiri, R. Karkhane, M. Ghotekar, S. Mirzaei, S.Z. Marzban, A.	2025	Scientific Reports	10.1038/s41598-025-19525-2	SDG 3
574	Comparative analysis of solvent and advanced extraction techniques for optimizing phytochemical yield and bioactivity of Matthiola ovatifolia (Boiss.) Aerial parts	Sharifi-Rad, M. Camele, I. Pohl, P. Mohanta, Y.K. Elshafie, H.S.	2025	Scientific Reports	10.1038/s41598-025-23565-z	SDG 3
575	Boosting green hydrogen generation using Zn-substituted CoFe2O4 catalysts prepared by sol-gel technique for water splitting applications	Prakash, J. Chaudhary, A.A. Somvanshi, A. Lai, B. Suman Ramya, M. Rudayni, H.A. Raza, N. Fazil, M. Ahmad, T. Ravi, K. Jasrotia, R.	2025	Scientific Reports	10.1038/s41598-025-14902-3	SDG 7

576	Network design for bypass roads using interval valued fuzzy outerplanar graphs	Jaisankar, D. Ramalingam, S. Deivanayagampillai, N. Watehign, T.	2025	Scientific Reports	10.1038/s41598-025-13393-6	SDG 11
577	Solid-phase synthesis and cytotoxic evaluation of novel pyridinium bromides	Govindaraj, S. Ganesan, K. Elumalai, P. Jeevitha, R. Sindya, J. Annadurai, S. Ahmed, S.S.S.J. Shahid, M.	2025	Scientific Reports	10.1038/s41598-025-92672-8	SDG 3
578	Escherichia coli Nissle 1917 efficiently expresses the RBD domain of SARS-CoV-2 spike protein without codon optimization	Meenakshi, S. Suvetha, R. Ramadevi, S.	2025	Scientific Reports	10.1038/s41598-025-99902-z	SDG 3
579	AI-Enabled Nano Biosensors for Estimating Heavy Metal Contamination in Crops	Singhal, N. Vardhan, H. Jain, R. Gupta, P. Gaur, A. Ghotekar, S. Kumar, D.	2025	Sensing and Imaging	10.1007/s11220-025-00679-2	SDG 2 SDG 8 SDG 12
580	The Role of Artificial Intelligence in Enhancing Small Molecule-Based Cancer Treatments	Babu, S. Krishnan, M. Bari, A.B.A.	2025	Small Molecules for Cancer Treatment	10.1007/978-981-96-0301-5_6	SDG 3
581	Small Molecules for Cancer Treatment	Pathak, S. Banerjee, A. Duttaroy, A.K.	2025	Small Molecules for Cancer Treatment	10.1007/978-981-96-0301-5	SDG 3
582	Small Molecules and Peptides Targeting Tumour Microenvironment	Pallatt, S. Ashiq Shibili, P. Das, D. Nambidi, S. Banerjee, A. Pathak, S.	2025	Small Molecules for Cancer Treatment	10.1007/978-981-96-0301-5_13	SDG 3
583	Hybrid Photocatalytic Porphyrin-Functionalized UiO-66/BIVO4 for Enhanced CO2 Reduction Using Photosystem II	Bui, V.D. Vu, T.H. Tran, T.P.A. Nguyen, L.M.K. Kamyab, H. Vasseghian, Y. Joo, S.-W.	2025	Small Structures	10.1002/sstr.202500268	SDG 7 SDG 13
584	MOF-integrated magnetic nanomaterials for sustainable removal of pesticide residue wastes in aqueous systems	Rana, G. Altfifi, F. Verma, R. Rao, S.K. Ramachandran, D. Chauhan, A. Jabir, M. Ghotekar, S.	2025	Solid State Communications	10.1016/j.ssc.2025.116137	SDG 3 SDG 6 SDG 9
585	Synthesis Methods of Nanoferrites	Verma, N. Verma, R. Chauhan, A. Kumar, P. Thakur, P. Thakur, A.	2025	Spinel and Inverse Spinel Ferrites: Theoretical and Technological Advances	10.1201/9781032665658-2	SDG 9
586	Impact of Learning and Development on Talent Retention in the Digital Era (A Study with Reference to Private Sector Banks)	Meenakshi, N. Shashi Kumar, M. Eshwari, B. Jayashankar, J. Chandrakhanthan, J.	2025	Studies in Systems, Decision and Control	10.1007/978-3-031-67890-5_28	SDG 4 SDG 8
587	Flat meets functional: face-to-face 2D/2D S-scheme photocatalysts for efficient CO2-to-fuel conversion	Rana, P. Singh, P. Puri, V. Le, Q.V. Ahamad, T. Le, T.T. Nguyen, V.-H. Raizada, P.	2025	Sustainable Energy and Fuels	10.1039/d5se00754b	SDG 13
588	Post-COVID Syndrome: A Multisystemic Perspective on Long-Term Complications	Rajendran, M. Satheeshkumar, A. Sekar, P.K.C. Veerabathiran, R.	2025	Tanzania Journal of Health Research	10.4314/thrb.v26i6.7	SDG 3
589	Type-2 Fuzzy Sustainable EPQ Models with Shortages: A Unified Framework for Economic and Environmental Trade	Deivanayagampillai, N. Bhuvanewari, T. Suppiah, Y. Anbazhagan, K. Voskoglou, M.Gr.	2025	Tasmimigiri va Tahqiq dar Amaliyyat	10.22105/dmor.2025.531724.1977	SDG 8 SDG 12 SDG 13
590	Student Nurses Competency in Cardiac Auscultation and Heart Sound Recognition: Educational and Clinical Implications	S, H.S. S, V. T, M.F. MS, N. D, S. Evanjaline Jenifer, A.	2025	Teaching and Learning in Nursing	10.1016/j.teln.2025.01.024	SDG 4
591	Therapeutic Implications of Medicinal Plants in Combatting Gastric Cancer	Jayaveeran, H.M. Niren, S. Paul, S. Parthiban, M. Krithika, C. Sureka Varalakshmi, V. Gopathy, S. Reshma, A.P. Rajagopal, P.	2025	Texila International Journal of Public Health	10.21522/TIJPH.2013.SE.25.01.Art006	SDG 3
592	A Comprehensive Review on Impact of Altered Epigenetics on the Development of Diabetes	Sakthivel, V. Niren, S. Paul, S. Gopathy, S. Sayeed, G. Rajagopal, P.	2025	Texila International Journal of Public Health	10.21522/TIJPH.2013.SE.25.01.Art014	SDG 3
593	Global, regional, and national prevalence of adult overweight and obesity, 1990–2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021	Ng, M. et al.	2025	The Lancet	10.1016/S0140-6736(25)00355-1	SDG 3

594	Global, regional, and national prevalence of child and adolescent overweight and obesity, 1990–2021, with forecasts to 2050: a forecasting study for the Global Burden of Disease Study 2021	Kerr, J.A. et al.	2025	The Lancet	10.1016/S0140-6736(25)00397-6	SDG 3
595	Burden of 375 diseases and injuries, risk-attributable burden of 88 risk factors, and healthy life expectancy in 204 countries and territories, including 660 subnational locations, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023	Hay, S.I. et al.	2025	The Lancet	10.1016/S0140-6736(25)01637-X	SDG 2 SDG 3 SDG 6 SDG 8 SDG 10
596	Global, regional, and national burden of chronic kidney disease in adults, 1990–2023, and its attributable risk factors: a systematic analysis for the Global Burden of Disease Study 2023	Mark, P.B. et al.	2025	The Lancet	10.1016/S0140-6736(25)01853-7	SDG 3
597	Global, regional, and national sepsis incidence and mortality, 1990–2021: a systematic analysis	Gray, A.P. et al.	2025	The Lancet Global Health	10.1016/S2214-109X(25)00356-0	SDG 3
598	Global, regional, and national age-sex-specific burden of diarrhoeal diseases, their risk factors, and aetiologies, 1990–2021, for 204 countries and territories: a systematic analysis for the Global Burden of Disease Study 2021	Kyu, H.H. et al.	2025	The Lancet Infectious Diseases	10.1016/S1473-3099(24)00691-1	SDG 3 SDG 6 SDG 9
599	Global, regional, and national burden of asthma and atopic dermatitis, 1990–2021, and projections to 2050: a systematic analysis of the Global Burden of Disease Study 2021	Oh, J. et al.	2025	The Lancet Respiratory Medicine	10.1016/S2213-2600(25)00003-7	SDG 3 SDG 8
600	The global, regional, and national burden attributable to low bone mineral density, 1990–2020: an analysis of a modifiable risk factor from the Global Burden of Disease Study 2021	Hsieh, E. et al.	2025	The Lancet Rheumatology	10.1016/S2665-9913(25)00105-5	SDG 3 SDG 16
601	The role of urokinase type plasminogen activator in colorectal cancer: innovative therapies and cutting-edge technologies	Muruganatham, J.K. Subramaniam, J. Veerabathiran, R.	2025	Therapeutics of Natural and Synthetic Compounds in Protease-Induced Cancer	10.1016/B978-0-443-26635-5.00053-5	SDG 3
602	CyberKnife technology and cancer management	Babu, S. Krishnan, M. Abdul Bari, A.B.	2025	Therapeutics of Natural and Synthetic Compounds in Protease-Induced Cancer	10.1016/B978-0-443-26635-5.00067-5	SDG 3
603	Dietary proteases and their connection to cancer	Babu, S. Krishnan, M. Abdul Bari, A.B.	2025	Therapeutics of Natural and Synthetic Compounds in Protease-Induced Cancer	10.1016/B978-0-443-26635-5.00035-3	SDG 3
604	Silent threats of organophosphates: surging pollutants, harmful impacts, remediation strategies, and viable eco-friendly alternatives	Durgadevi, P. Girigoswami, K. Harini, K. Thirumalai, A. Kiran, V. Girigoswami, A.	2025	Toxicology and Environmental Health Sciences	10.1007/s13530-024-00241-9	SDG 2 SDG 3 SDG 15
605	World scenario of earthworms' prowess as a remedy to a spectrum of diseases – a glimpse on related nanoformulations	Girigoswami, A. Ghosh, M.M. Girigoswami, K.	2025	Traditional Medicine Research	10.53388/TMR20240822001	SDG 3
606	Advanced CeO ₂ -Based Heterojunctions: Aspects of Structure–Function Relationships for Sustainable CO ₂ Conversion and H ₂ Production	Panwar, A. Sambyal, S. Raizada, P. Singh, P. Thakur, P. Thakur, S. Nguyen, V.-H. Sonu, S.	2025	Transactions of Tianjin University	10.1007/s12209-025-00452-2	SDG 7 SDG 13
607	Round-the-Clock Photocatalysts in the Post-Irradiation Dark Period: From Light Charging to “Memory” Dark Discharging Toward Hydrogen Production	Kaur, B. Singh, P. Dinh, D.A. Luu, X.-C. Yadav, K.K. Alreshidi, M.A. Nguyen, V.-H. Raizada, P.	2025	Transactions of Tianjin University	10.1007/s12209-025-00448-y	SDG 7
608	Source identification and clinical outcomes of Ralstonia outbreaks in a neonatal intensive care unit: A case series from a tertiary care centre	Nannapaneni, V.P. Rameshbabu, M. Sundaramoorthy, S. Sethuraman, G.	2025	Tropical Doctor	10.1177/00494755251323683	SDG 3
609	Influence of COVID-19 on pediatric immunocompromised children: mechanism and implications for pathogenesis	Thomas, S.M. Veerabathiran, R.	2025	VirusDisease	10.1007/s13337-025-00923-z	SDG 3
610	Sustainable Valorization of Fruit and Vegetable Waste for Bioactive Compounds: Advancing Functional Food and Wellness	Panda, J. Amrit, R. Mishra, A.K. Chakraborty, A. Rustagi, S. Nath, P.C. Sarabandi, K. Sarma, H. Wagh, M.S. Mohanta, Y.K.	2025	Waste and Biomass Valorization	10.1007/s12649-025-02937-6	SDG 12
611	Agro-Waste-Derived Bioplastics: Sustainable Innovations for a Circular Economy	Mohanta, Y.K. Mishra, A.K. Lakshmayya, N.S.V. Panda, J. Thatoi, H. Sarma, H. Rustagi, S. Baek, K.-H. Mishra, B.	2025	Waste and Biomass Valorization	10.1007/s12649-025-03070-0	SDG 7 SDG 8 SDG 9 SDG 12 SDG 13

612	Bioethanol Production from Green Coconut Residue Using Xylanases and Cellulases in Simultaneous Saccharification and Fermentation	Sharma, S. Gill, S.K. Sahu, S. Singh, G. Arya, S.K. Chandrasekaran, M. Gatashah, M.K. Jones, S. Ravindran, B. Chang, S.W. Vedyjappan, R.	2025	Waste and Biomass Valorization	10.1007/s12649-024-02864-y	SDG 7 SDG 9 SDG 12
613	Polymorphisms of IGF2BP2 and SIRT1 genes in type 2 diabetes mellitus: A comprehensive meta-analysis and statistical power analysis	Velmurugan, S. Deshmukh, V.R. Sontakke, B.R. Chandrasekaran, K. Subbaraj, G.K.	2025	World Academy of Sciences Journal	10.3892/wasj.2024.292	SDG 3
614	Effects of interleukin-6 genetic variation on hepatitis B virus infection and susceptibility to hepatocellular carcinoma: A systematic review and meta-analysis	Antony, B.S. Murugesan, K. Radhakrishnan, A. Min, Y. Subbaraj, G.K.	2025	World Academy of Sciences Journal	10.3892/wasj.2025.351	SDG 3
615	Designing tandem S-scheme photo-catalytic systems: Mechanistic insights, characterization techniques, and applications	Kumar, R. Sudhaik, A. Pawaz Khan, A.A. Nguyen, V.-H. Singh, A. Singh, P. Thakur, S. Raizada, P.	2025	Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica	10.1016/j.actphy.2025.100150	SDG 7 SDG 13
616	Immunotherapy for Breast Cancer by Immune Check Point Inhibitors (Pd-1 & Pd-L1) using CNN for Image Analysis in Deep Learning	Abila, R. Kumar, R.P. Ruby, R.R.	2024	15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024	-	SDG 3
617	Biosynthesis of pH-Responsive Mesoporous Silica Nanoparticles from Cucumber Peels for Targeting 3D Lung Tumor Spheroids	Bhuyan, T. Choudhury, K. Das, P. Sharma, S. Mazumder, J.A. Mohanta, Y.K.	2024	ACS Applied Bio Materials	10.1021/acsabm.4c01092	SDG 3
618	Beneficial effects of bioinspired silver nanoparticles on zebrafish embryos including a gene expression study	Sakthi Devi, R. Girigoswami, A. Meenakshi, S. Deepika, B. Harini, K. Gowtham, P. Pallavi, P. Girigoswami, K.	2024	ADMET and DMPK	10.5599/admet.2102	SDG 3
619	Natural serine proteases and their applications in combating amyloid formation	Metkar, S.K. Udayakumar, S. Girigoswami, A. Girigoswami, K.	2024	ADMET and DMPK	10.5599/admet.2551	SDG 3
620	A study analyzing the major determinants of implementing Internet of Things (IoT) tools in delivering better healthcare services using regression analysis	Kaur, C. Al Ansari, M.S. Rana, N. Haratayya, B. Rajkumari, Y. Gayathri, K.C.	2024	Advanced Technologies for Realizing Sustainable Development Goals: 5G, AI, Big Data, Blockchain, and Industry 4.0 Application	10.2174/9789815256680124010022	SDG 7 SDG 8 SDG 9
621	Advancement of magnetic particle imaging in diagnosis and therapy	Harini, K. Girigoswami, K. Pallavi, P. Gowtham, P. Prabhu, A.D. Girigoswami, A.	2024	Advances in Natural Sciences: Nanoscience and Nanotechnology	10.1088/2043-6262/ad3b7a	SDG 3
622	Proteomics and genomics insights on malignant osteosarcoma	Kathiresan, N. Selvaraj, C. Pandian, S. Subbaraj, G.K. Alothaim, A.S. Safi, S.Z. Kulathaiavel, L.	2024	Advances in Protein Chemistry and Structural Biology	10.1016/bs.apcsb.2023.06.001	SDG 3
623	Mg ²⁺ substitution effect on the electrochemical performance of LiNi _{0.8-x} MgxCo _{0.1} Mn _{0.1} O ₂ (x = 0.0, 0.01, 0.02, 0.03, 0.04, 0.05) cathode materials for LIBs	Parajuli, D. Murali, N.	2024	AIP Advances	10.1063/5.0217139	SDG 7
624	Rederiving kinetics to model biohydrogen production from immobilized microalgae alginate beads at various polymerization degrees of alginate under dark fermentative environment	Woon, J.M. Khoo, K.S. Sahrin, N.T. Ardo, F.M. Lim, J.W. Tong, W.-Y. Chan, Y.J. Lin, C. Goh, P.S. Ansar, S. Lam, M.K.	2024	Algal Research	10.1016/j.algal.2024.103684	SDG 6 SDG 7 SDG 11
625	Dynamic behavior and transfer characteristics of CO ₂ -enriched bubbles within Spirulina sp. suspension under various aeration conditions using the high-speed imaging technique	Ren, H. Shen, M. Zhou, D. Wu, W. Sun, Y. Khoo, K.S. Show, P.L.	2024	Algal Research	10.1016/j.algal.2024.103758	SDG 13
626	A Genetic Perspective on Ischemic Stroke: Recent Advances and Future Directions	Sekar, P.K.C. Veerabathiran, R.	2024	Annals of Clinical and Experimental Neurology	10.17816/ACEN.1064	SDG 3
627	Genetic variants in BDNF (rs6265 and rs11030119) and stroke susceptibility: a case-control analysis in South India	Muraleedharan Nair, A. Ramamoorthi, C. Arumugam Senthilkumar, M. Kanniyapillai, R. Chandra Sekar, P.K. Rehman Syed Rasheed, A.H. Kannaiyan, S. Veerabathiran, R.	2024	Annals of Human Biology	10.1080/03014460.2024.2415984	SDG 3
628	Assessing the Impact of TLR4 rs4986790 Polymorphism on Bacterial Meningitis Risk: A Systematic Review and Meta-Analysis	Sekar, P.K.C. Veerabathiran, R.	2024	Annals of Indian Academy of Neurology	10.4103/aian.aian_443_24	SDG 3
629	Biomarkers in diagnosing and therapeutic monitoring of tuberculosis: a review	Leo, S. Narasimhan, M. Rathinam, S. Banerjee, A.	2024	Annals of Medicine	10.1080/07853890.2024.2386030	SDG 3

630	Effectiveness of Psychosocial Intervention and Psychoeducation in Improving Psychological Well-being and Cognitive Functioning in Caregivers of Substance Use Issues: A Pilot Study	Ashmitha, K.A.A. Gopal, C.N.R. Sridhar, O.T.S. Kancharla, K.	2024	Annals of Neurosciences	10.1177/09727531231185925	SDG 3
631	Need of wastewater purification for sustainability: A mini review	Girigoswami, A. Govindharaj, P. Mitra Ghosh, M. Girigoswami, K.	2024	Arab Gulf Journal of Scientific Research	10.1108/AGJSR-02-2023-0069	SDG 6 SDG 9
632	Evaluation of slow-release fertilizers derived from hydrogel beads: Sodium alginate-poly (acrylic acid) and humic acid-encapsulated struvite for soil salinity amelioration	Hidayat, E. Sarbani, N.M.M. Samitsu, S. Nugroho, F.A.A. Lahiri, S.K. Aoyagi, M. Yonemura, S. Harada, H.	2024	Arabian Journal of Chemistry	10.1016/j.arabjc.2024.105877	SDG 14
633	Understanding the connection and relation between sleep and depression in a tertiary health-care center: Insights from a cross-sectional study	Aravindh, M. Sureshkumar, K. Kailash, S.Z. Sobia, P.R. Madhumitha, V.	2024	Archives of Mental Health	10.4103/amh.amh_58_24	SDG 3
634	Postbiotic butyrate: role and its effects for being a potential drug and biomarker to pancreatic cancer	Elango, A. Nesam, V.D. Sukumar, P. Lawrence, I. Radhakrishnan, A.	2024	Archives of Microbiology	10.1007/s00203-024-03914-8	SDG 3
635	Preparation of titanium dioxide nanoparticles from Solanum Tuberosum peel extract and its applications	Girigoswami, A. Deepika, B. Pandurangan, A.K. Girigoswami, K.	2024	Artificial Cells, Nanomedicine and Biotechnology	10.1080/21691401.2023.2301068	SDG 3
636	Microplastic menace: a path forward with innovative solutions to reduce pollution	R, J.A.	2024	Asian Journal of Atmospheric Environment	10.1007/s44273-024-00026-z	SDG 3 SDG 14
637	Association Between Body Mass Index and Infertility Among Women: An Age-Matched Case-Control Study	Kumaran, K.M. Raja, D. Nirupama, A.Y.	2024	Asian Journal of Interdisciplinary Research	10.54392/ajir2412	SDG 3
638	Needle Stick Injury: A Decade Retrospection Among Health Care Workers in a Tertiary Care Center	Perumal, K. Shanmugam, P.	2024	Asia-Pacific Journal of Public Health	10.1177/10105395231212311	SDG 3
639	Efficacy of Ancillary Cardiopulmonary Therapeutic Regimen on Tissue Perfusion, Post-operative Pain, and Pulmonary Functions During Acute Phase I of Cardiopulmonary Rehabilitation Following CABG Surgery: A Pilot study.	Palanivel, C. Al Bshabshe, A. Purusothaman, S. Theodore, S. Ramakrishnan, S. Alshahrani, M.B. Kablan, A.A. Alwadai, N.M. Khormi, K.A.A. Saeed, A.S.S. Sadagobane, S.K. Chinnavan, E. Subramani, S.	2024	Bahrain Medical Bulletin	-	SDG 3
640	Nanotechnology's role in ensuring food safety and security	Kiran, V. Harini, K. Thirumalai, A. Girigoswami, K. Girigoswami, A.	2024	Biocatalysis and Agricultural Biotechnology	10.1016/j.bcab.2024.103220	SDG 2 SDG 6 SDG 8 SDG 9 SDG 12
641	Anticancer potential of nanoformulated extract of Passiflora incarnata leaves	Deepika, B. Pallavi, P. Gowtham, P. Girigoswami, A. Girigoswami, K.	2024	Biocatalysis and Agricultural Biotechnology	10.1016/j.bcab.2024.103109	SDG 3
642	Recent advancements in harnessing biodiesel from microalgae through attached growth systems	Rawindran, H. Alam, M.M. Sahrin, N.T. Raksasat, R. Leong, W.H. Liew, C.S. Supramaniam, U. Lim, J.W. Usman, A. Tong, W.-Y. Suresh, S. Khoo, K.S.	2024	Biocatalysis and Agricultural Biotechnology	10.1016/j.bcab.2024.103205	SDG 7
643	Mitigation of Cr (VI) phytotoxicity in mung bean seedlings through the supplementation of phyto-fabricated zinc oxide nanoparticles using Paederia foetida	Bhuyan, T. Gogoi, S. Ghoshal, T. Parmar, P.R. Mishra, K. Mohanta, Y.K. Nayak, P.S. Sharifi-Rad, M.	2024	Biocatalysis and Agricultural Biotechnology	10.1016/j.bcab.2024.103055	SDG 2 SDG 3 SDG 8 SDG 12
644	Propolis from the North-East region of India exhibits potent antioxidant and anticancer activity against breast cancer cells	Rahman, S. Talukdar, N.C. Patowary, K. Mohanta, Y.K.	2024	Biocatalysis and Agricultural Biotechnology	10.1016/j.bcab.2024.103269	SDG 3
645	Upcycling nutrients derived from food waste via microalgae cultivation: A review on impacts on cellular compounds, economy and environment analyses for achieving circular bioeconomy	Ramandani, A.A. Sun, Y.-M. Lan, J.C.-W. Chen, W.-H. Chang, J.-S. Rachmadona, N. Lim, J.W. Khoo, K.S.	2024	Biochemical Engineering Journal	10.1016/j.bej.2024.109454	SDG 8 SDG 9 SDG 12 SDG 13
646	Advancements in Valorization of Food Waste Resources by Microalgae for Sustainable Biorefinery Production	Htoo, N.Y.M. Pumas, C. Srinuanpan, S. Kee, P.E. Lan, J.C.-W. Lim, J.W. Upadhyay, S.K. Khoo, K.S.	2024	Bioenergy Research	10.1007/s12155-024-10777-w	SDG 8 SDG 12
647	Biogenic engineered zinc oxide nanoparticle for sulfur black dye removal from contaminated wastewater: comparative optimization, simulation modeling, and isotherms	Yadav, S. Chander, S. Gupta, A. Kataria, N. Khoo, K.S.	2024	Bioengineered	10.1080/21655979.2024.2325721	SDG 6

648	Enhancing cardio-cerebrovascular therapy through biomimetic platelet membrane coating	Akshara, S. Sanjane, F.A. Rubab, T. Shalom R, N. Narayan, S.	2024	Bioinspired, Biomimetic and Nanobiomaterials	10.1680/jbibn.23.00042	SDG 3
649	Phyto-mediated synthesis of pure phase α -Bi ₂ O ₃ nanostructures using Rubus ellipticus plant extract: photocatalytic activity and antimicrobial efficacy	Chauhan, A. Verma, R. Dhatwalia, J. Kumari, A. Dutta, V. Chandrasekaran, G. Ghotekar, S. Kaur, M. Vignesh, J. Thakur, S.	2024	Biomass Conversion and Biorefinery	10.1007/s13399-023-04679-8	SDG 3
650	Assessment of Anticancer Activity of Crude Ethanolic Extracts of Moringa Oleifera Pod and Leaves on 7,12 - Dimethylbenz Anthracene Induced Skin Cancer in Mice	Saradha, S. Abitha, R. Prasath, K.H. Logithkumar, S. Vijayashree, R. Devi, T.S. Indhra, P.	2024	Biomedical and Pharmacology Journal	10.13005/bpj/2852	SDG 3
651	Antidiabetic and Hypolipidemic Effect of Ethanolic Seed Extract of Prosopis juliflora in Fructose Induced Hyperglycemia in Rats	Rao, K.L.N. Elango, A. Sugumar, P. Raghavan, V. Moorthy, P.E. Chittrarasan, S. Ravi, S. Radhakrishnan, A.	2024	Biomedical and Pharmacology Journal	10.13005/bpj/2997	SDG 3
652	Perovskite-based bio-implantable energy harvesters	Dutta, V. Radhakrishnan, A. Ravelo, B. Wan, F. Thakur, P. Thakur, A.	2024	Biomedical Applications of Perovskites: The Era of Bio-Piezoelectric Systems	10.2174/9789815256383124010019	SDG 9
653	Anti-microbial activity of perovskites	Elango, A. Radhakrishnan, A. Chauhan, A.	2024	Biomedical Applications of Perovskites: The Era of Bio-Piezoelectric Systems	10.2174/9789815256383124010010	SDG 3 SDG 12
654	Genetic predisposition of interleukin-6 (rs1800797) polymorphism in cervical cancer: A Meta-analysis	Abinaya, G.P. lyshwarya, B.K. Veerabathiran, R.	2024	Biomedical Research and Therapy	10.15419/bmrat.v11i3.872	SDG 3
655	A review on metal complexes and its anti-cancer activities: Recent updates from in vivo studies	Adhikari, S. Nath, P. Das, A. Datta, A. Baidya, N. Duttaroy, A.K. Pathak, S.	2024	Biomedicine and Pharmacotherapy	10.1016/j.biopha.2024.116211	SDG 3
656	The cardioprotective effects of Fruitlow* against Doxorubicin-induced toxicity in rat cardiomyoblast cells H9c2 (2-1) and high-fat diet-induced dyslipidemia and pathological alteration in cardiac tissue of Wistar Albino rats	Das, D. Jothimani, G. Banerjee, A. Duttaroy, A.K. Pathak, S.	2024	Biomedicine and Pharmacotherapy	10.1016/j.biopha.2024.117607	SDG 3
657	Current Technologies and Future Perspectives in Immunotherapy towards a Clinical Oncology Approach	Adhikary, S. Pathak, S. Palani, V. Acar, A. Banerjee, A. Al-Dewik, N.I. Essa, M.M. Mohammed, S.G.A.A. Qoronfleh, M.W.	2024	Biomedicines	10.3390/biomedicines12010217	SDG 3
658	Advancements in Capecitabine-Loaded Nanocomposites as a Cutting-Edge Cancer Therapy- A Review	Pourmadadi, M. Maleki, M. Shamsabadipoura, A. Rahdar, A. Ghotekar, S.	2024	BioNanoScience	10.1007/s12668-023-01240-9	SDG 3
659	Phyto-Mediated Synthesis of Copper Oxide Nanoparticles: an Investigation of Antioxidant, Antimicrobial, Anti-Inflammatory, and Protective Neuropsychiatric Potential	Bhardwaj, N. Puri, S. Kumari, A. Chauhan, A. Kumar, A.	2024	BioNanoScience	10.1007/s12668-024-01556-0	SDG 3
660	Unleashing the Potential of Ibrutinib-Loaded Nanoparticles for Cancer Treatment—A Comprehensive Review	Behzadmehr, R. Fathi-karkan, S. Razzaq, S. Moafian, Z. Rahdar, A. Ghotekar, S.	2024	BioNanoScience	10.1007/s12668-024-01445-6	SDG 3
661	In Vitro Evaluation and Characterization of Double Emulsion Based on Polyvinylpyrrolidone/Agarose/ZIF-8 Hydrogel Nanocomposite Platform for Quercetin Delivery to Breast Cancer Cells	Seddighi, Y. Pourmadadi, M. Abdouss, M. Mazinani, S. Rahdar, A. Ghotekar, S.	2024	BioNanoScience	10.1007/s12668-024-01386-0	SDG 3
662	Peony-shaped zinc oxide nanoflower synthesized via hydrothermal route exhibits promising anticancer and anti-amyloid activity	Girigoswami, A. Deepika, B. Udayakumar, S. Janani, G. Mercy, D.J. Girigoswami, K.	2024	BMC Pharmacology and Toxicology	10.1186/s40360-024-00830-x	SDG 3
663	Extravascular lipoma over the subclavian vein	Thariq Ajmal, I. Thiagarajan, A. Anand, F. Muralidhar, V.	2024	BMJ Case Reports	10.1136/bcr-2024-262341	SDG 3
664	Amyloidosis-history and development, emphasis on insulin and prion amyloids	Metkar, S.K. Udayakumar, S. Girigoswami, A. Girigoswami, K.	2024	Brain Disorders	10.1016/j.dscb.2023.100106	SDG 3
665	Enhancing supercapacitor, photovoltaic and magnetic properties of SnO ₂ nanoparticles doped with Cu and Zn ions	Dar, M.A. Neelamegan, H. Priyadharshini, V.J. Ahamed, S.R. Arularasan, P. Mishra, M. Rather, A.A.	2024	Bulletin of Materials Science	10.1007/s12034-024-03293-2	SDG 7

666	Cancer cell plasticity: from cellular, molecular, and genetic mechanisms to tumor heterogeneity and drug resistance	Bhat, G.R. Sethi, I. Sadida, H.Q. Rah, B. Mir, R. Algehainy, N. Albalawi, I.A. Masoodi, T. Subbaraj, G.K. Jamal, F. Singh, M. Kumar, R. Macha, M.A. Uddin, S. Akil, A.S.A.-S. Haris, M. Bhat, A.A.	2024	Cancer and Metastasis Reviews	10.1007/s10555-024-10172-z	SDG 3
667	Understanding the molecular mechanism responsible for developing therapeutic radiation-induced radioresistance of rectal cancer and improving the clinical outcomes of radiotherapy - A review	Jain, S.M. Nagainallur Ravichandran, S. Murali Kumar, M. Banerjee, A. Sun-Zhang, A. Zhang, H. Pathak, R. Sun, X.-F. Pathak, S.	2024	Cancer Biology and Therapy	10.1080/15384047.2024.2317999	SDG 3
668	RhoB expression associated with chemotherapy response and prognosis in colorectal cancer	Kopsida, M. Liu, N. Kotti, A. Wang, J. Jensen, L. Jothimani, G. Hildesjo, C. Haapaniemi, S. Zhong, W. Pathak, S. Sun, X.-F.	2024	Cancer Cell International	10.1186/s12935-024-03236-1	SDG 3
669	A Review on Emerging Techniques for Diagnosis of Colorectal Cancer	Nagainallur Ravichandran, S. Das, D. Dayananda, E.K. Dey, A. Banerjee, A. Sun-Zhang, A. Zhang, H. Sun, X.-F. Pathak, S.	2024	Cancer Investigation	10.1080/07357907.2024.2315443	SDG 3
670	Personalized medicine: An alternative for cancer treatment	Singh, D. Dhiman, V.K. Pandey, M. Dhiman, V.K. Sharma, A. Pandey, H. Verma, S.K. Pandey, R.	2024	Cancer Treatment and Research Communications	10.1016/j.ctarc.2024.100860	SDG 3
671	Recent trends and practices of bio-functionalized carbon nanotubes in bioimaging and biosensing applications in biomedical sectors	Prabakaran, L. Vedakumari, S.W. Jeevahan, A. Jacquelin Veda Jancy, S.	2024	Carbon-Based Nanomaterials in Biosystems: Biophysical Interface at Lower Dimensions	10.1016/B978-0-443-15508-6.00022-1	SDG 3
672	The Future of Artificial Intelligence and Genetic Insights in Precision Cardiovascular Medicine: A Comprehensive Review	Chandra Sekar, P.K. Veerabathiran, R.	2024	Cardiology Discovery	10.1097/CD9.000000000000136	SDG 3
673	Recent Advances in Advanced Oxidation Processes for Degrading Pharmaceuticals in Wastewater—A Review	Roslan, N.N. Lau, H.L.H. Suhaimi, N.A.A. Shahri, N.N.M. Verinda, S.B. Nur, M. Lim, J.-W. Usman, A.	2024	Catalysts	10.3390/catal14030189	SDG 6 SDG 12
674	Fatty Acids and their Proteins in Adipose Tissue Inflammation	Mallick, R. Basak, S. Das, R.K. Banerjee, A. Paul, S. Pathak, S. Dutta, A.K.	2024	Cell Biochemistry and Biophysics	10.1007/s12013-023-01185-6	SDG 3
675	Molecular Regulator Driving Endometriosis Towards Endometrial Cancer: A Multi-Scale Computational Investigation to Repurpose Anti-Cancer drugs	Mahema, S. Roshni, J. Raman, J. Ahmad, S.F. Al-Mazroua, H.A. Ahmed, S.S.S.J.	2024	Cell Biochemistry and Biophysics	10.1007/s12013-024-01420-8	SDG 3
676	A comprehensive overview of radiation therapy impacts of various cancer treatments and pivotal role in the immune system	Srinivasan, D. Subbarayan, R. Srivastava, N. Radhakrishnan, A. Adtani, P.N. Chauhan, A. Krishnamoorthy, L.	2024	Cell Biochemistry and Function	10.1002/cbf.4103	SDG 3
677	Current Insights into Molecular Mechanisms and Potential Biomarkers for Treating Radiation-Induced Liver Damage	Saha, B. Pallatt, S. Banerjee, A. Banerjee, A.G. Pathak, R. Pathak, S.	2024	Cells	10.3390/cells13181560	SDG 3
678	Green synthesis of cubic spinel ferrites and their potential biomedical applications	Ali, S.S.L. Selvaraj, S. Batoo, K.M. Chauhan, A. Rana, G. Kalaichelvan, S. Radhakrishnan, A.	2024	Ceramics International	10.1016/j.ceramint.2024.10.084	SDG 3
679	Green-synthesized nickel oxide nanoparticles for sustainable wastewater treatment and enhanced bacterial control	Agalya, S. Nehru, L.C. Sagadevan, S.	2024	Ceramics International	10.1016/j.ceramint.2024.09.365	SDG 6
680	Solar-Driven Reforming of Lignocellulosic Biomass to Renewable Biohydrogen: A Review	Luu, X.-C. Phan Thi, L.-A. Raizada, P. Singh, P. Nguyen, L.H. Ghotekar, S. Nguyen, V.-H.	2024	ChemCatChem	10.1002/cctc.202401287	SDG 7 SDG 8 SDG 13
681	Introduction and Advancements in Room-Temperature Ferromagnetic Metal Oxide Semiconductors for Enhanced Photocatalytic Performance	Sundaram, G.A. Muniyandi, G.R. Ethiraj, J. Parimelazhagan, V. Kumar, A.S.K.	2024	ChemEngineering	10.3390/chemengineering8020036	SDG 7
682	Chemical dealloying derived nanoporous FeCoNiCuTi high-entropy bifunctional electrocatalysts for highly efficient overall water splitting under alkaline conditions	He, Y. Qin, J. Hu, F. Mao, L. Shen, B. Aminabhavi, T.M. Vasseghian, Y. Hojjati-Najafabadi, A.	2024	Chemical Engineering Journal	10.1016/j.cej.2024.152145	SDG 7
683	Maximizing biogas yield from palm oil mill effluent (POME) through advanced simulation and optimisation techniques on an industrial scale	Kan, K.W. Chan, Y.J. Tiong, T.J. Lim, J.W.	2024	Chemical Engineering Science	10.1016/j.ces.2023.119644	SDG 6 SDG 7 SDG 8 SDG 9

684	Ruthenium Polypyridyl Complexes with Hydroxypyridine: Experimental, DFT Studies, and In Silico Antitubercular Activity Investigation	Rajee, A.O. Obaleye, J.A. Louis, H. Ayinla, S.O. Aliyu, A.A. Osunniran, W.A. Lawal, A. Mathias, G.E. Rasaki, M.E. Manicum, A.-L.E.	2024	Chemistry Africa	10.1007/s42250-023-00769-2	SDG 3
685	Nanomaterials-Based Targeting of Long Non-Coding RNAs in Cancer: A Cutting-Edge Review of Current Trends	Davodabadi, F. Farasati Far, B. Sargazi, S. Fatemeh Sajjadi, S. Fathi-karkan, S. Mirinejad, S. Ghotekar, S. Sargazi, S. Rahman, M.M.	2024	ChemMedChem	10.1002/cmdc.202300528	SDG 3
686	Visible-light-driven photodegradation of methylene blue and doxycycline hydrochloride by waste-based S-scheme heterojunction photocatalyst Bi5O7/PCN/tea waste biochar	Soni, V. Sonu Sudhaik, A. Singh, P. Thakur, S. Ahamad, T. Nguyen, V.-H. Thi, L.-A.P. Quang, H.H.P. Chaudhary, V. Raizada, P.	2024	Chemosphere	10.1016/j.chemosphere.2023.140694	SDG 6
687	Bio-derived carbon-based materials for sustainable environmental remediation and wastewater treatment	Priya, A.K. Muruganandam, M. Suresh, S.	2024	Chemosphere	10.1016/j.chemosphere.2024.142731	SDG 6
688	Sustainability, performance, and production perspectives of waste-derived functional carbon nanomaterials towards a sustainable environment: A review	Poonia, K. Singh, P. Ahamad, T. Le, Q.V. Phan Quang, H.H. Thakur, S. Mishra, A.K. Selvasembian, R. Hussain, C.M. Nguyen, V.-H. Raizada, P.	2024	Chemosphere	10.1016/j.chemosphere.2024.141419	SDG 6 SDG 7
689	TiO2 nanorod decorated with MoS2 nanospheres: An efficient dual-functional photocatalyst for antibiotic degradation and hydrogen production	Govinda raj, M. Mahalingam, S. Gnanarani, S.V. Jayashree, C. Ganeshraja, A.S. Pugazhenthiran, N. Rahaman, M. Abinaya, S. Senthil, B. Kim, J.	2024	Chemosphere	10.1016/j.chemosphere.2024.142033	SDG 6 SDG 7
690	Promoting the suitability of graphitic carbon nitride and metal oxide nanoparticles: A review of sulfonamides photocatalytic degradation	Zango, Z.U. Lawal, M.A. Usman, F. Sulieman, A. Akhdar, H. Eisa, M.H. Aldaghri, O. Ibnaouf, K.H. Lim, J.W. Khoo, K.S. Cheng, Y.W.	2024	Chemosphere	10.1016/j.chemosphere.2024.141218	SDG 3 SDG 6
691	Fe-based MOFs as promising adsorbents and photocatalysts for re-use water contained arsenic: Strategies and challenges	Mathotra, M. Kaur, B. Soni, V. Patil, S. Sharma, K. Kumar, R. Singh, P. Thakur, S. Pham, P.V. Ahamad, T. Le, Q.V. Nguyen, V.-H. Raizada, P.	2024	Chemosphere	10.1016/j.chemosphere.2024.141786	SDG 3 SDG 6
692	Ultrafiltration membrane fabricated from polyethylene terephthalate plastic waste for treating microalgal wastewater and reusing for microalgal cultivation	Rawindran, H. Arif bin Hut, N. Vrasna, D.K. Goh, P.S. Lim, J.W. Liew, C.S. Ho, C.-D. Kang, H.-S. Shahid, M.K. Ng, H.-S. Habila, M.A. Khoo, K.S.	2024	Chemosphere	10.1016/j.chemosphere.2023.140591	SDG 6
693	Utilization of carbon-based nanomaterials for wastewater treatment and biogas enhancement: A state-of-the-art review	François, M. Lin, K.-S. Rachmadona, N. Khoo, K.S.	2024	Chemosphere	10.1016/j.chemosphere.2023.141008	SDG 6 SDG 7 SDG 13
694	Unlocking the potential of environmentally friendly adsorbent derived from industrial wastes: A review	Quang, H.H.P. Dinh, N.T. Truong, Q.-M. Nguyen, P.K.T. Nguyen, V.-H.	2024	Chemosphere	10.1016/j.chemosphere.2024.143662	SDG 3 SDG 6 SDG 9 SDG 11 SDG 12
695	The influence of Omicron on vaccine efficacy and durability: a neurology perspective	Muruganatham, J.K. Veerabathiran, R.	2024	Clinical and Experimental Vaccine Research	10.7774/cevr.2024.13.3.175	SDG 3
696	Anti-aging Strategies and Topical Delivery of Biopolymer-based Nanocarriers for Skin Cancer Treatment	Ramaraj, J.A. Narayan, S.	2024	Current Aging Science	10.2174/1874609816666230320122018	SDG 3
697	RNA-based Therapies for Aging and Cancer, What Known so Far?	Pathak, S. Banerjee, A.	2024	Current Aging Science	10.2174/187460981701240229094013	SDG 3
698	Large-scale Production and Application of Graphene Oxide Nanoparticles to Meet Agriculture Needs	Affrald, R.J.	2024	Current Applied Science and Technology	10.55003/cast.2023.254564	SDG 2 SDG 6 SDG 9 SDG 12
699	Desalination and Non-potable Water Remediation Using Nanotechnology Based Membranes-A Review	Govindharaj, P. Girigoswami, A. Girigoswami, K.	2024	Current Applied Science and Technology	10.55003/cast.2023.256991	SDG 6 SDG 7 SDG 9
700	An Updated Review on Molecular Biomarkers in Diagnosis and Therapy of Colorectal Cancer	Ravichandran, S.N. Kumar, M.M. Das, A. Banerjee, A. Veronica, S. Sun-Zhang, A. Zhang, H. Anbalagan, M. Sun, X.-F. Pathak, S.	2024	Current Cancer Drug Targets	10.2174/0115680096270555231113074003	SDG 3
701	A Computational Investigation on Chitosan Derivatives using Pharmacophore-based Screening, Molecular Docking, and Molecular Dynamics Simulations against Kaposi Sarcoma	Sakthivel, K. Ganapathy, P. Chandrasekaran, K. Subbaraj, G.K. Kulanthaivel, L.	2024	Current Computer-Aided Drug Design	10.2174/1573409919666230428100646	SDG 3

702	Intranasal Drug Delivery of Antiviral Agents - A Revisit and Way Forward	Affrald, R.J. Narayan, S.	2024	Current Drug Therapy	10.2174/1574885518666230727100812	SDG 3
703	AEG-1 as a Novel Therapeutic Target in Colon Cancer: A Study from Silencing AEG-1 in BALB/c Mice to Large Data Analysis	Sriramulu, S. Malayaperumat, S. Banerjee, A. Anbalagan, M. Kumar, M.M. Radha, R.K.N. Liu, X. Zhang, H. Hu, G. Sun, X.-F. Pathak, S.	2024	Current Gene Therapy	10.2174/0115665232273077240104045022	SDG 3
704	Miniaturization of Nucleic Acid Assemblies in Nanodevice: Nano-Oddities	Keerthana, V. Metkar, S.K. Girigoswami, A. Girigoswami, K.	2024	Current Nanomaterials	10.2174/2405461508666230809151727	SDG 9
705	Encapsulating Rhodamine 6G in Oxidized Sodium Alginate Polymeric Hydrogel for Photodynamically Inactivating Cancer Cells	Pallavi, P. Girigoswami, K. Gowtham, P. Harini, K. Thirumalai, A. Girigoswami, A.	2024	Current Pharmaceutical Design	10.2174/0113816128307606240722072006	SDG 3
706	Biological Activities of Carrageenan from Red Algae: a Mini Review	Udayakumar, S. Girigoswami, A. Girigoswami, K.	2024	Current Pharmacology Reports	10.1007/s40495-023-00348-6	SDG 3
707	Therapeutic potential of lipopeptide biosurfactant-fabricated copper oxide nanoparticles: Mechanistic insight into their biocompatibility using zebra fish	Bhuyan, T. Mohanta, Y.K. Patowary, K. Maity, S. Nayak, D. Deka, K. Meenakshi Sundaram, K. Muthupandian, S. Sarma, H.	2024	Current Research in Biotechnology	10.1016/j.crbiot.2024.100227	SDG 3
708	A Review on the Efficacy of Plant-derived Bio-active Compounds Curcumin and Aged Garlic Extract in Modulating Cancer and Age-related Diseases	Das, D. Kanchan, M. Mitra, A. Zaky, M.Y. Pathak, S. Banerjee, A.	2024	Current Reviews in Clinical and Experimental Pharmacology	10.2174/2772432819666230504093227	SDG 3
709	Challenge in the cytological interpretation of a not-so-typical breast carcinoma	Muniraj, F. Srinivasan, S. Raghavan, V.	2024	CytoJournal	10.25259/Cytojournal_43_2023	SDG 3
710	Impacts of gut microbiota alteration on age-related chronic liver diseases	Adhikary, S. Esmeeta, A. Dey, A. Banerjee, A. Saha, B. Gopan, P. Duttaroy, A.K. Pathak, S.	2024	Digestive and Liver Disease	10.1016/j.dld.2023.06.017	SDG 3
711	Flexible and Embedded 3D-Printed Electronic Subsystems in Healthcare Products	Babu, G.S.D. Nagaraj, S. Girigoswami, K. Dhavamani, C. Mosteh, A.O.	2024	Digital Design and Manufacturing of Medical Devices and Systems	10.1007/978-981-99-7100-8_11	SDG 9
712	Eco-Friendly Mycogenic Synthesis of Iron Oxide Nanoparticles Using Volvariella volvacea and Unveiling its Potential as Antibiofilm and Anticancer Agents	Nayak, D. Mishra, A.K. Malla, S. Swain, U. Panigrahi, K. Panda, J. Rustagi, S. Rauta, P.R. Mohanta, Y.K.	2024	ECS Journal of Solid State Science and Technology	10.1149/2162-8777/ad658b	SDG 3
713	Association of MnSOD (rs4880) and GPx1 (rs1050450) with diabetic nephropathy: a meta-analysis	Begum, F. Lakshmanan, K.	2024	Egyptian Journal of Medical Human Genetics	10.1186/s43042-024-00597-0	SDG 3
714	Mechanism of metabolic memory: progression in diabetic nephropathy—a descriptive review	Begum, F. Lakshmanan, K.	2024	Egyptian Journal of Medical Human Genetics	10.1186/s43042-024-00595-2	SDG 3
715	Recent trends in synthesis of 2D MXene-based materials for sustainable environmental applications	Verma, R. Sharma, A. Dutta, V. Chauhan, A. Pathak, D. Ghotekar, S.	2024	Emergent Materials	10.1007/s42247-023-00591-z	SDG 6 SDG 7
716	Biomedical potential of hydrogels: a multifaceted approach to innovative medication delivery	Selvaraj, S. Dutta, V. Gopalakrishnan, C. Subbarayan, R. Rana, G. Radhakrishnan, A. Elango, A. Chauhan, A.	2024	Emergent Materials	10.1007/s42247-024-00643-y	SDG 9
717	Investigation on the influence of silver doping on structural and biomedical properties of zinc oxide nanoparticles synthesized using crude ethanolic extract of Adiantum venustum D. Don	Kimta, N. Chauhan, A. Puri, S. Kumari, A. Sharma, R. Kumar, A. Kapoor, D.	2024	Emergent Materials	10.1007/s42247-024-00715-z	SDG 3
718	Occurrence, transport, and toxicity of microplastics in tropical food chains: perspectives view and way forward	Kataria, N. Yadav, S. Garg, V.K. Rene, E.R. Jiang, J.-J. Rose, P.K. Kumar, M. Khoo, K.S.	2024	Environmental Geochemistry and Health	10.1007/s10653-024-01862-2	SDG 3 SDG 6 SDG 14
719	A review on carbon-based biowaste and organic polymer materials for sustainable treatment of sulfonamides from pharmaceutical wastewater	Zango, Z.U. Khoo, K.S. Garba, A. Lawal, M.A. Abidin, A.Z. Wadi, I.A. Eisa, M.H. Aldaghri, O. Ibaouf, K.H. Lim, J.W. Da Oh, W.	2024	Environmental Geochemistry and Health	10.1007/s10653-024-01936-1	SDG 6 SDG 12

720	Risk assessment of uranium in water sources near coal mines and in human organs of Shahdol District, Madhya Pradesh, using biokinetic modelling	Garima Babita Amanjeet Kataria, N. Bhardwaj, A. Dhiman, R. Chaudhary, S.	2024	Environmental Geochemistry and Health	10.1007/s10653-024-02294-8	SDG 3
721	Potential application of 2D nano-layered MXene in analysing and remediating endocrine disruptor compounds and heavy metals in water	Rozaini, M.N.H. Khoo, K.S. Abdah, M.A.A.M. Ethiraj, B. Alam, M.M. Anwar, A.F. Yunus, N.M. Liew, C.S. Lim, J.W. Ho, C.-D. Tong, W.-Y.	2024	Environmental Geochemistry and Health	10.1007/s10653-024-01917-4	SDG 6 SDG 9
722	Modelling photoperiod in enhancing hydrogen production from <i>Chlorella vulgaris</i> sp. while bioremediating ammonium and organic pollutants in municipal wastewater	Ardo, F.M. Khoo, K.S. Ahmad Sobri, M.Z. Suparmaniam, U. Ethiraj, B. Anwar, A.F. Lam, S.M. Sin, J.C. Shahid, M.K. Ansar, S. Ramli, A. Lim, J.W.	2024	Environmental Pollution	10.1016/j.envpol.2024.123648	SDG 6 SDG 7 SDG 9 SDG 11
723	Role of nanotechnology as a zero waste tool	Bhattacharjee, S. Girigoswami, A. Nag, M. Rubab, T. Girigoswami, K.	2024	Environmental Quality Management	10.1002/tqem.22046	SDG 8 SDG 9 SDG 11 SDG 12
724	Comprehensive review on toxic heavy metals in the aquatic system: sources, identification, treatment strategies, and health risk assessment	Saravanan, P. Saravanan, V. Rajeshkannan, R. Arnica, G. Rajasimman, M. Baskar, G. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2024.119440	SDG 3 SDG 6 SDG 9 SDG 11 SDG 12 SDG 13
725	Recent developments on advanced oxidation processes for degradation of pollutants from wastewater with focus on antibiotics and organic dyes	Vinayagam, V. Palani, K.N. Ganesh, S. Rajesh, S. Akula, V.V. Avoodaippan, R. Kushwaha, O.S. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2023.117500	SDG 6
726	Envisioning the innovative approaches to achieve circular economy in the water and wastewater sector	Vinayagam, V. Sikarwar, D. Das, S. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2023.117663	SDG 6 SDG 8 SDG 9 SDG 11 SDG 12
727	Review on demulsification techniques for oil/water emulsion: Comparison of recyclable and irretrievable approaches	Low, J.Y. Khe, C.S. Usman, F. Hassan, Y.M. Lal, C.W. You, K.Y. Lim, J.W. Khoo, K.S.	2024	Environmental Research	10.1016/j.envres.2023.117840	SDG 8
728	A review on titanium oxide nanoparticles modified metal-organic frameworks for effective CO ₂ conversion and efficient wastewater remediation	Zango, Z.U. Khoo, K.S. Garba, A. Garba, Z.N. Danmallam, U.N. Aldaghri, O. Ibaouf, K.H. Ahmad, N.M. Binzowaimit, A.M. Lim, J.W. Bhattu, M. Ramesh, M.D.	2024	Environmental Research	10.1016/j.envres.2024.119024	SDG 3 SDG 6 SDG 9 SDG 13 SDG 15
729	Feasibility of bioplastic production using micro- and macroalgae- A review	Sudhakar, M.P. Maurya, R. Mehariya, S. Karthikeyan, O.P. Dharani, G. Arunkumar, K. Pereda, S.V. Hernández-González, M.C. Buschmann, A.H. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2023.117465	SDG 9
730	Synergistic interface engineering in n-p-n type heterojunction Co ₃ O ₄ /MIL/Mn-STO with dual S-scheme multi-charge migration to enhance visible-light photocatalytic degradation of antibiotics	Patil, S. Sudhaik, A. Sonu Thakur, S. Van Le, Q. Ahamad, T. Singh, P. Huang, C.-W. Nguyen, V.-H. Raizada, P.	2024	Environmental Research	10.1016/j.envres.2023.117481	SDG 6
731	A hybrid electrocoagulation-biocomposite adsorption system for the decolorization of dye wastewater	Teresa Jose, J. K.L., P. Chellappan, S. S., S. Remesh, A. Venkidesh, V. A.J., K. Pugazhendhi, A. Selvam, S. V., B. M.S., I.	2024	Environmental Research	10.1016/j.envres.2024.118759	SDG 6 SDG 7
732	DFT and experimental studies of the facet-dependent oxygen vacancies modulated WS ₂ /BiOCl-OV S-scheme structure for enhanced photocatalytic removal of ciprofloxacin from wastewater	Kumar, A. Singh, P. Nguyen, V.-H. Le, Q.V. Ahamad, T. Thakur, S. Matsagar, B.M. Kaya, S. Maslov, M.M. Wu, K.C.-W. Nguyen, L.H. Raizada, P.	2024	Environmental Research	10.1016/j.envres.2024.118519	SDG 6
733	Mitigating persistent organic pollutants from marine plastics through enhanced recycling: A review	Ibrahim, I.A. Rawindran, H. Alam, M.M. Leong, W.H. Sahrin, N.T. Ng, H.-S. Chan, Y.J. Abdelfattah, E.A. Lim, J.W. Aliyu, U.S. Khoo, K.S.	2024	Environmental Research	10.1016/j.envres.2023.117533	SDG 3 SDG 6 SDG 12 SDG 14
734	Zinc oxide nanoflakes supported copper oxide nanosheets as a bifunctional electrocatalyst for OER and HER in an alkaline medium	Kumar, M.P. Kumaresan, N. Mangalaraja, R.V. Zaporotskova, I. Arulraj, A. Murugadoss, G. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2024.119030	SDG 7
735	Unraveling the synergism mechanistic insight of O-vacancy and interfacial charge transfer in WO ₃ -x decorated on Ag ₂ CO ₃ /BiOBr for photocatalysis of water pollutants: Based on experimental and density functional theory (DFT) studies	Sharma, K. Sonu Sudhaik, A. Ahamad, T. Kaya, S. Nguyen, L.H. Maslov, M.M. Le, Q.V. Nguyen, V.-H. Singh, P. Raizada, P.	2024	Environmental Research	10.1016/j.envres.2024.119610	SDG 6
736	Environmental impact assessment via life cycle analysis on ultrafiltration membrane fabricated from polyethylene terephthalate waste to treat microalgal cultivation wastewater for reusability	Rawindran, H. Khoo, K.S. Ethiraj, B. Lim, J.W. Liew, C.S. Goh, P.S. Raksasat, R. Leong, W.H. Rajarathinam, R. Ng, H.-S. Tong, W.-Y. Alam, M.M.	2024	Environmental Research	10.1016/j.envres.2024.118687	SDG 6 SDG 12 SDG 13 SDG 14 SDG 15
737	Development of inorganic and mixed matrix membranes for application in toxic dyes-contaminated industrial effluents with in-situ treatments	Zango, Z.U. Khoo, K.S. Ali, A.F. Abidin, A.Z. Zango, M.U. Lim, J.W. Wadi, I.A. Eisa, M.H. Athathloot, R. Abu Alrub, S. Aldaghri, O. Suresh, S. Ibaouf, K.H.	2024	Environmental Research	10.1016/j.envres.2024.119235	SDG 6 SDG 9 SDG 12

738	Catalytic co-pyrolysis of plastic pyrolyzed and biooil over Ni-modified ZSM-5 hierarchical structures	Almalki, A.S. Alhadhrami, A. Alsanie, W.F. Kamarudin, S.K. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2023.117518	SDG 7
739	Recovery of green phenolic compounds from lignin-based source: Role of ferulic acid esterase towards waste valorization and bioeconomic perspectives	Sarangi, P.K. Srivastava, R.K. Vivekanand, V. Goksen, G. Sahoo, U.K. Thakur, T.K. Debeaufort, F. Uysal-Unalan, I. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2024.119218	SDG 3 SDG 9
740	Investigation of bionano additives in red algae Cyanidioschyzon merolae ultrasonified MgO/MWCNT catalyzed biodiesel in optimized engine performance	Pugazhendhi, A. Kamarudin, S.K. Chinnathambi, A. Alharbi, S.A. G, R.	2024	Environmental Research	10.1016/j.envres.2024.119352	SDG 7
741	Biodiesel synthesis from chicken feather meal using S/AIMCM-41 catalyst and engine performance analysis	Almalki, A.S.A. Alhadhrami, A. Alsanie, W.F. Kamarudin, S.K. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2023.118060	SDG 7 SDG 13
742	Nanomaterials – A promising solution for textile and fossil fuel generated pollutants	Pugazhendhi, A. Kamarudin, S.K. Alshehri, M.A. Ganesan, R. Brindhadevi, K.	2024	Environmental Research	10.1016/j.envres.2024.119427	SDG 3 SDG 6 SDG 7 SDG 9 SDG 13
743	Recent breakthroughs on the development of electrodeionization systems for toxic pollutants removal from water environment	Vinayagam, V. Kishor kumar, N.K. Palani, K.N. Ganesh, S. Kushwaha, O.S. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2023.117549	SDG 6
744	Lanthanum and Indium intermetallics nanomaterial for thermal photovoltaic applications – A full potential study	Jayalakshmi, D.S. Akshaya, G. Murugadoss, G. AL Garalleh, H. Alrawashdeh, A.I. Ali Alshehri, M. Pugazhendhi, A.	2024	Environmental Research	10.1016/j.envres.2024.118783	SDG 7
745	4-Carboxyphenyl as efficient donor group in nano Zn-Porphyrin for dye sensitized solar cells	Dayanithi, J. Pichaikaran, S. Selvam, S. Kotteswaran, S. Kumaresan, N. Pugazhendhi, A. Rajesh Kumar, M. AL Garalleh, H. Ali Alshehri, M. Murugadoss, G.	2024	Environmental Research	10.1016/j.envres.2024.118704	SDG 7
746	Adsorption of terbutaline β -agonists from wastewater by mechano-synthesized iron oxide nanoparticles modified copper (II) isonicotinate metal-organic framework	Usman, A. Khoo, K.S. Ariffin, M.M. Loh, S.H. Wan Mohd Khalik, W.M.A. Yusoff, H.M. Zango, Z.U. Aldaghri, O. Ibnaouf, K.H. Eisa, M.H. Binzowaimit, A.M. Lim, J.W.	2024	Environmental Research	10.1016/j.envres.2024.119413	SDG 3 SDG 6
747	Mesoporous SO42- / kit-6-catalyzed hydrocracking of waste chicken oil	Shanmuganathan, R. Sharma, A. Alshehri, M.A. Kamarudin, S.K. Arivalagan, P.	2024	Environmental Research	10.1016/j.envres.2024.119482	SDG 7
748	Multifunctional hydrophobin-like protein (HFB-NJ1): A versatile solution for wastewater treatment	Miyar, H.K. Jathanna, N.N. Selvaraj, R. Vinayagam, R. Pugazhendhi, A. Goveas, L.C.	2024	Environmental Research	10.1016/j.envres.2024.119139	SDG 6
749	Phosphate removal from aqueous solutions using reversal mode electrocoagulation with iron and aluminum electrodes: RSM optimization and ANN modeling	Tuyet, N.T. Nguyen, V.D. Nguyet, N.T. Balasubramani, R. Nghia, N.T.	2024	Environmental Research Communications	10.1088/2515-7620/ad7e84	SDG 6 SDG 14
750	Recent advances in photocatalytic removal of antiviral drugs by Z-scheme and S-scheme heterojunction	Rana, G. Dhiman, P. Kumar, A. Chauhan, A. Sharma, G.	2024	Environmental Science and Pollution Research	10.1007/s11356-024-33876-9	SDG 6
751	Transforming bio-waste into value-added products mediated microbes for enhancing soil health and crop production: Perspective views on circular economy	Upadhyay, S.K. Singh, G. Rani, N. Rajput, V.D. Seth, C.S. Dwivedi, P. Minkina, T. Wong, M.H. Show, P.L. Khoo, K.S.	2024	Environmental Technology and Innovation	10.1016/j.eti.2024.103573	SDG 2 SDG 8 SDG 12
752	Recent advancement of eliminating antibiotic resistance bacteria and antibiotic resistance genes in livestock waste: A review	Pham, M.N. Nishimura, F. Lan, J.C.W. Khoo, K.S.	2024	Environmental Technology and Innovation	10.1016/j.eti.2024.103751	SDG 3 SDG 6 SDG 12
753	Upcycling of polyethylene terephthalate (PET) plastic wastes into carbon-based nanomaterials: Current status and future perspectives	Soni, V. Dinh, D.A. Poonia, K. Kumar, R. Singh, P. Ponnusamy, V.K. Selvasembian, R. Singh, A. Chaudhary, V. Thakur, S. Nguyen, L.H. Phan Thi, L.-A. Nguyen, V.-H. Raizada, P.	2024	European Polymer Journal	10.1016/j.eurpolymj.2024.113249	SDG 9
754	The future of cervical cancer prevention: advances in research and technology	Sekar, P.K.C. Thomas, S.M. Veerabathiran, R.	2024	Exploration of Medicine	10.37349/emed.2024.00226	SDG 3
755	Exploring Extracellular Vesicles as a Potential Source of Biomarkers for the Diagnosis of Colorectal Cancer and Its Current Challenges	Saha, B. Adhikary, S. Banerjee, A. Pathak, S.	2024	Extracellular Vesicles in Human Health and Diseases	10.1007/978-981-97-2494-9_12	SDG 3

756	Exploring Mental Health Professionals' Experience, Training, and Clinical Preparedness to Provide Care for LGBTQIA+ Individuals	Marar, S.J.V. Lakshmanan, I. Ramgopal, C.N. Subramanian, S.S.	2024	Fizjoterapia Polska	10.56984/8ZG020C1JZR	SDG 3 SDG 4
757	Effectiveness of robot-assisted exercise regimen parameters on extremity function and quality of life among stroke population – a scoping review	Suma, G. Purushothaman, S. Tilak Francis, T.G. Gayathri, K.C. Haribabu, L. Mohamed Nainar, A.	2024	Fizjoterapia Polska	10.56984/8ZG020CHRZ2	SDG 3
758	Life style changes during lock down period of COVID-19 outbreaks in Tamil Nadu, India: A web based survey	Thanalakshmi, J. Elayaraja, M. Lakshmi, K. Maheshkumar, K. Umar, N. Pramanik, M. Kumar, R. Dhiman, A. Bharati, R. Kaur, D. Gogoi, H. Govindasamy, K.	2024	Fizjoterapia Polska	10.56984/8ZG56089LA	SDG 3
759	Effectiveness of moderate to vigorous physical activity among stroke risk predicted population. A pilot study	Shazia Neelam, N. Manjunatha, H. Senthil, P. Swathi, S. Antony Leo Aseer, P. Gayathri, K.C.	2024	Fizjoterapia Polska	10.56984/8ZG2EF80LR	SDG 3
760	Effects of upper limb low resistance exercises along with manual lymphatic drainage in subjects with post radical mastectomy - a pilot study	Balaji, G. Senthil, P.	2024	Fizjoterapia Polska	10.56984/8ZG56084SH	SDG 3
761	Exploring cardiovascular risk: The significance of neck circumference in predicting upper body obesity and metabolic health	Kavitha, K. Elayaraja, M. Maheshkumar, K. Kumar, S. Pathak, A. Dhiman, A. Kumar, R. Thanalakshmi, J. Kamaldeen, D. Kaur, D. Marwah, K. Bharti, R. Gogoi, H. Govindasamy, K.	2024	Fizjoterapia Polska	10.56984/8ZG5608RY0	SDG 3
762	Wild edible mushrooms to achieve sustainable development goals: Novel sources for food security, health, and well-being	Panda, J. Mishra, A.K. Nath, P.C. Mahanta, S. Sharma, M. Nayak, P.K. Mohanta, Y.K. Sridhar, K.	2024	Food Bioscience	10.1016/j.fbio.2024.104277	SDG 2 SDG 3 SDG 9
763	Recent advances in artificial intelligence towards the sustainable future of agri-food industry	Nath, P.C. Mishra, A.K. Sharma, R. Bhunia, B. Mishra, B. Tiwari, A. Nayak, P.K. Sharma, M. Bhuyan, T. Kaushal, S. Mohanta, Y.K. Sridhar, K.	2024	Food Chemistry	10.1016/j.foodchem.2024.138945	SDG 2 SDG 9 SDG 12
764	Upcycling fruit waste into microalgae biotechnology: Perspective views and way forward	Lee, A. Lan, J.C.-W. Jambrak, A.R. Chang, J.-S. Lim, J.W. Khoo, K.S.	2024	Food Chemistry: Molecular Sciences	10.1016/j.fochms.2024.100203	SDG 3 SDG 6 SDG 7 SDG 8 SDG 9 SDG 12 SDG 13
765	Postbiotics: the new horizons of microbial functional bioactive compounds in food preservation and security	Mishra, B. Mishra, A.K. Mohanta, Y.K. Yadavalli, R. Agrawal, D.C. Reddy, H.P. Gorepati, R. Reddy, C.N. Mandal, S.K. Shamim, M.Z. Panda, J.	2024	Food Production, Processing and Nutrition	10.1186/s43014-023-00200-w	SDG 12
766	Evaluation of the synergistic effects of curcumin-resveratrol co-loaded biogenic silica on colorectal cancer cells	Ochoa-Sanchez, A. Sahare, P. Pathak, S. Banerjee, A. Estevez, M. Duttaray, A.K. Luna-Bárceñas, G. Paul, S.	2024	Frontiers in Pharmacology	10.3389/fphar.2024.1341773	SDG 3
767	Decomposing the inequalities in the catastrophic health expenditures on the hospitalization in India: empirical evidence from national sample survey data	Sriram, S. Verma, V.R. Gollapalli, P.K. Albadrani, M.	2024	Frontiers in Public Health	10.3389/fpubh.2024.1329447	SDG 1 SDG 10
768	Frontier in dark fermentative biohydrogen production from lignocellulosic biomass: Challenges and future prospects	Rani, P. Kumar Yadav, D. Yadav, A. Ram Bishnoi, N. Kumar, V. Ram, C. Pugazhendhi, A. Kumar, S.S.	2024	Fuel	10.1016/j.fuel.2024.131187	SDG 7 SDG 8 SDG 9 SDG 12 SDG 13
769	Research progress of nano-catalysts in the catalytic conversion of biomass to biofuels: Synthesis and application	Ye, H. Shi, J. Wu, Y. Yuan, Y. Gan, L. Wu, Y. Xie, H. Pugazhendhi, A. Xia, C.	2024	Fuel	10.1016/j.fuel.2023.129594	SDG 7 SDG 8
770	Green ammonia as peerless entity for realm of clean-energy carrier toward zero carbon emission: Purviews, neoteric tendencies, potentialities and downsides	Mohanasundaram, S. Varadharajan, V. Selvaraju, M. Manikandan, S. Ramasamy, S. Jayakumar, M. Prabhu Sundramurthy, V. Baskar, G. Pugazhendhi, A.	2024	Fuel	10.1016/j.fuel.2024.131118	SDG 7 SDG 12 SDG 13
771	Overview of the use of additives in biomass torrefaction processes: Their impact on products and properties	Safar, M. Chen, W.-H. Raclavska, H. Juchelkova, D. Prokopova, N. Rachmadona, N. Khoo, K.S.	2024	Fuel	10.1016/j.fuel.2024.132419	SDG 7
772	Assessment of ammonia-diesel fuel blends on compression ignition engine performance and emissions using machine learning techniques	Arivalagan, P. Kamarudin, S.K. Ali Alharbi, S. Arut Gnana Dhas, A. Manigandan, S.	2024	Fuel	10.1016/j.fuel.2024.132135	SDG 13
773	Comparative analysis to reduce greenhouse gas (GHG) emission in CI engine fuelled with sweet almond oil using ammonia/after treatment system	Sonthalia, A. Varuvel, E.G. Subramanian, T. Josephin JS, F. Alahmadi, T.A. Pugazhendhi, A.	2024	Fuel	10.1016/j.fuel.2024.131865	SDG 7 SDG 13

774	Experimental investigation of ammonia gas as hydrogen carrier in prunus amygdalus dulcis oil fueled compression ignition engine	Sonthalia, A. Geo Varuvel, E. Subramanian, T. Josephin JS, F. Almoallim, H.S. Pugazhendhi, A.	2024	Fuel	10.1016/j.fuel.2024.132337	SDG 7
775	Characteristic studies on sustainable upgraded bio-oil produced using green TiO2/AISBA-15 nano composite	Almalki, A.S.A. Alhadhrami, A. Alsanie, W.F. Kamarudin, S.K. Pugazhendhi, A.	2024	Fuel	10.1016/j.fuel.2023.129645	SDG 7
776	Effect of prebiotics, probiotics, and synbiotics on gut microbiome in diabetes among coastal communities	Rithi, A.T. Mitra, A. Banerjee, A. Ilanchoorian, D. Marotta, F. Radhakrishnan, A.K.	2024	Functional Food Science	10.31989/ffs.v4i1.1271	SDG 3 SDG 14
777	Genetic predisposition of MTHFR and TNFSF4 gene polymorphism related to hypothyroidism – A meta-analysis	Bhaskar Kalarani, I. Lakshmanan, K. Veerabathiran, R.	2024	Gene Reports	10.1016/j.genrep.2024.102091	SDG 3 SDG 5
778	Exploring the Therapeutic Significance of microRNAs and lncRNAs in Kidney Diseases	Bravo-Vázquez, L.A. Paul, S. Colín-Jurado, M.G. Márquez-Gallardo, L.D. Castañón-Cortés, L.G. Banerjee, A. Pathak, S. Duttaroy, A.K.	2024	Genes	10.3390/genes15010123	SDG 3
779	Association of TIMP2 418 G/C and MMP Gene Polymorphism with Risk of Urinary Cancers: Systematic Review and Meta-analysis	Gowtham, P. Girigoswami, K. Thirumalai, A. Harini, K. Pallavi, P. Girigoswami, A.	2024	Genetic Testing and Molecular Biomarkers	10.1089/gtmb.2023.0457	SDG 3
780	Recent Advances in Ultra-Sensitive Biosensor Fabrication for Agricultural Pest Detection and Its Future Perspectives	Prabakaran, L. Akshaya Priya, R. Weslen Vedakumari, S. Dharmalingam, S. Jeevahan, A. Senthil, R.	2024	Graphene-Based Nanomaterials: Applications in Food, Agriculture and Healthcare	10.1201/9781003300540-24	SDG 3
781	A concise review of the impact of groundwater pollution in coastal regions on human gut microbiome composition and its effect on human health	A T, R. Banerjee, A. Mitra, A. Nethaji, K. Ilanchoorian, D. Radhakrishnan, A.K.	2024	Groundwater for Sustainable Development	10.1016/j.gsd.2024.101187	SDG 3 SDG 6 SDG 14
782	Comparison of morphometric and histological features of placenta of in vitro fertilization and naturally conceived pregnancies	Nayak, J.N. RajitaRajendran, H. Mahesh, S. Srinivasan, S.	2024	Guthane Medical Journal	10.4274/GULHANE.GALENOS.2024.92259	SDG 3
783	Squamous cell carcinoma predisposition pathophysiology, diagnosis, and treatment	Kumar, S.G. Karthikeyan, G. Muthuvel, R. Arulrajá, S. Langeswaran, K.	2024	Handbook of Oncobiology: From Basic to Clinical Sciences	10.1007/978-981-99-6263-1_15	SDG 3
784	An insight on colon cancer stem cells and its therapeutic implications	Gopan, S.P. Das, A. Esmeeta, A. DeKa, D. Duttaroy, A.K. Pathak, S. Banerjee, A.	2024	Handbook of Oncobiology: From Basic to Clinical Sciences	10.1007/978-981-99-6263-1_63	SDG 3
785	Chronology of anticancer drugs and their development	Raja, K. Veerabathiran, R.	2024	Handbook of Oncobiology: From Basic to Clinical Sciences	10.1007/978-981-99-6263-1_51	SDG 3
786	Role of Proteolytic Enzymes in Colon Cancer	Keerthi, N. Farhana, A. Das, D. Banerjee, A. Pathak, S.	2024	Handbook of Proteases in Cancer: Cellular and Molecular Aspects	10.1201/9781003394716-6	SDG 3
787	The Role of Matrix Metalloproteinase in Molecular and Cellular Aspects of Oral Squamous Cell Carcinoma.	Iyshwarya, B.K. Veerabathiran, R. Sivamani, G. Nithyakalyani, M.	2024	Handbook of Proteases in Cancer: Cellular and Molecular Aspects	10.1201/9781003394716-24	SDG 3
788	The Emerging Role of Calpain 2 Protease as a Therapeutic Target in Breast Cancer	Sekar, P.K.C. Veerabathiran, R. Subramaniam, J.	2024	Handbook of Proteases in Cancer: Therapeutic Aspects	10.1201/9781003394693-17	SDG 3
789	Serine Protease Inhibitors in Breast Cancer Therapy	Elango, A. Radhakrishnan, A.	2024	Handbook of Proteases in Cancer: Therapeutic Aspects	10.1201/9781003394693-10	SDG 3
790	Extracellular Matrix Remodeling on Cancer Progression	Deepika, B. Girigoswami, A. Girigoswami, K.	2024	Handbook of the Extracellular Matrix: Biologically-Derived Materials	10.1007/978-3-031-56363-8_10	SDG 3
791	Pyrolysis behaviour and synergistic effect in co-pyrolysis of wheat straw and polyethylene terephthalate: A study on product distribution and oil characterization	M, A.K. A.P, S. J, S. C, S.D. P, S. Hatamleh, A.A. Al-Dosary, M.A. Mani, R.R. Chung, W.J. Chang, S.W. Ravindran, B.	2024	Heliyon	10.1016/j.heliyon.2024.e37255	SDG 7 SDG 11

792	Metabolomic insights and bioactive efficacies of <i>Tragopogon dubius</i> root fractions: Antioxidant and antiproliferative assessments	Ahmad, S.S. Garg, C. Kour, R. Bhat, A.H. Raja, V. Gandhi, S.G. Ataya, F.S. Fouad, D. Radhakrishnan, A. Kaur, S.	2024	Heliyon	10.1016/j.heliyon.2024.e34746	SDG 3
793	Insights from a multi-country study: Lessons for future nursing education from community clinical practice amid the COVID-19 pandemic	Setiawan, A. Kusuma Wati, D.N. Hassan, H. Sharmil, H. Sukihananto, S. Syamsir, S.B. Rachmawati, U. Eriska, W.	2024	Heliyon	10.1016/j.heliyon.2024.e32486	SDG 3
794	Association between HER2 (Ile655Val) polymorphism with risk of breast cancer: An extensive meta-analysis	Thomas, S.M. Iyshwarya, B.K. Veerabathiran, R.	2024	Human Gene	10.1016/j.humgen.2024.201280	SDG 3
795	Evaluation of Real-Time Monitoring on the Growth of <i>Spirulina</i> Microalgae: Internet of Things and Microalgae Technologies	Lim, H.R. Khoo, K.S. Chew, K.W. Teo, M.Y.M. Ling, T.C. Alharthi, S. Alsanie, W.F. Show, P.L.	2024	IEEE Internet of Things Journal	10.1109/IJOT.2023.3296525	SDG 9
796	One Health: A Holistic Approach to Tackling Global Health Issues	Danasekaran, R.	2024	Indian Journal of Community Medicine	10.4103/ijcm.ijcm_521_23	SDG 3
797	Neonatal outcomes of gestational diabetes mellitus (GDM) mothers: A cross-sectional study comparing medical nutritional therapy, metformin, and insulin treatments at a tertiary care centre	Radhakrishnan, A. Surya, B.N. Ethirajan, S.	2024	Indian Journal of Obstetrics and Gynecology Research	10.18231/j.ijogr.2024.076	SDG 3
798	Non Indigenous Mammary Secretory Carcinoma of Parotid Gland – An Unusual Presentation	K, G. Duraisamy, S. C, R. S, A. L, A. Bharatwaj, S.	2024	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-024-04540-y	SDG 3
799	Ent Manifestations in Sculptors of South Chennai, India: A Cross Sectional Observational Study	Namasivaya Navin, R.B. Balaji, D. Gowthame, K. Prabakaran, S. Rajasekaran, S. Karthika, S.R.	2024	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-023-04179-1	SDG 8
800	Teacher's Competence in First-Aid Management of Epistaxis in Schools	Prabakaran, S. Gowthame, K. Balaji, D. Navin, R.B.N. Rajasekaran, S. Balan, B.S. Adithya, V. Shanmugh, J. Vijayalakshmi, S.	2024	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-024-05071-2	SDG 3
801	An Observational Study of Hearing Loss Among Menopausal Women	Namasivaya Navin, R.B. Prabakaran, S. Balaji, D. Gowthame, K. Rajasekaran, S. Sarath Kumar, B. Shree, R. Lakshana, R.	2024	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-023-04121-5	SDG 3
802	A Rare Case Report of Nasal Schwannoma	Muthukumar, R. Gowthame, K. Rajasekaran, S. Prabakaran, S. Navin, R.B.N. Balaji, D. Kumar, B.S. Preethi, T. George, R. Adithya, V.	2024	Indian Journal of Otolaryngology and Head and Neck Surgery	10.1007/s12070-024-04910-6	SDG 3
803	A correlation study between mean platelet volume and platelet aggregation study in acute coronary syndrome patients	Navya, P.T. Natarajan, M.	2024	Indian Journal of Pathology and Microbiology	10.4103/ijpm.ijpm_937_22	SDG 3
804	Anode material for solid oxide fuel cell: a review	Ahmed, N. Devi, S. Dar, M.A. Ibrahim, S.K.M. Sharma, A. Sharma, N. Paul, S. Ahamed, S.R.	2024	Indian Journal of Physics	10.1007/s12648-023-02860-3	SDG 7
805	A randomised controlled trial of mindfulness-based stress reduction programme for substance abuse patients in deaddiction centre	Solomon, D.A. Bharathi, S.K. Vijayaraghavan, R. Krishnan, M.	2024	Indian Journal of Physiology and Pharmacology	10.25259/IJPP_373_2022	SDG 3
806	Visual approach to Rajagopuram of a temple, a case study of Thiruvashi village, Tamil Nadu	Yogapriya, G. Suganthi, S. Kumar, S.	2024	Indian Journal of Traditional Knowledge	10.56042/ijtk.v23i8.13122	SDG 11
807	Isoniazid monoresistant tuberculosis treatment outcomes in Pudukcherry, South India - A mixed methods study	J, A. R, M. Chinnakali, P.	2024	Indian Journal of Tuberculosis	10.1016/j.ijtb.2024.05.013	SDG 3
808	A Comprehensive Investigation of the Association between IL-6 rs1800795 (-147G/C) and Severity of COVID-19: A meta-analysis of Case-control Studies	Sekar, P.K.C. Veerabathiran, R.	2024	Infection, Epidemiology and Microbiology	10.52547/iem.10.2.141	SDG 3
809	Genetic Basis for Mucormycosis Progression in COVID-19 Patients: From Susceptibility to Severity	Muruganatham, J.K. Veerabathiran, R.	2024	Infectious Diseases and Immunity	10.1097/ID9.0000000000000115	SDG 3

810	The Impact of SARS-CoV-2 on Liver Diseases and Potential Phytochemical Treatments	Balaji, D. Balakrishnan, R. Srinivasan, D. Subbarayan, R. Shrestha, R. Srivastava, N. Chauhan, A.	2024	Infectious Microbes and Diseases	10.1097/IM9.0000000000000161	SDG 3
811	Green synthesis of cerium oxide nanoparticles using Portulaca oleracea Extract: Photocatalytic activities	Hkiri, K. Elsayed Ahmed Mohamed, H. Ghotekar, S. Maaza, M.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112243	SDG 6
812	Recent advancements in Irinotecan-loaded nanomaterials as a smart drug delivery system for cancer therapy: A state-of-art-review	Fathi-Karkan, S. Qindeel, M. Arshad, R. Moafian, Z. Ghazy, E. Rahdar, A. Ghotekar, S.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112028	SDG 3
813	Recent trends in phyto-mediated iron-based nanomaterials for environmental remediation and biomedical applications	Chauhan, A. Rana, G. Dutta, V. Kumari, A. Krishna Rao, S. Subbarayan, R. Ravi, K. Selvaraj, S. Ghotekar, S.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2023.111976	SDG 3 SDG 9
814	An intense review on the performance of PCM-based lithium-ion battery cooling with aging effect in Indian climate conditions	Singh, S. Kumar, S. Vohra, M. Praveenkumar, S. Kumar, D. Ghotekar, S.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113032	SDG 7
815	Supramolecular assemblies of Zn(II) complex based on dithiolate-amine binary ligands: Synthesis, crystal structure, Hirshfeld surface, DFT, molecular docking, and anticancer studies	Bhattacharjee, T. Nath, S. Baildya, N. Das, A. Pathak, S. Molins, E. Mahmoudi, G. Verma, A.K. Borah, P. Adhikari, S.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112762	SDG 3
816	Unveiling new frontiers in advancements of bio-inspired fabrication of cadmium-based nanomaterials for biomedical and catalytic applications – A review	Patel, K. Patil, M. Abhale, Y. Kumar, D. Larios, A.P. Gandhi, V. Adole, V. Chauhan, A. Jabir, M.S. Ghotekar, S.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113457	SDG 3
817	Advances in erlotinib delivery systems: Addressing challenges and exploring opportunities in EGFR-targeted cancer therapies	Pourmadadi, M. Mohammadzadeh, V. Sadat Mohammadi, Z. Poorkhatili, P. Afjoul, N. Behzadmehr, R. Fathi-Karkan, S. Rahdar, A. Ghotekar, S.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112114	SDG 3
818	Au@hydroxyapatite nanocomposite as a novel apoptosis inducer and NF-κB translocation inhibitor in prostate cancer cell line	Jabir, M.S. Yosif, H.M. Hasoon, B.A. Rasool, K.H. Jawad, K.H. Ali, I.A. Jawad, S.F. Nayef, U.M. A. A. Najm, M. Albukhaty, S. Ghotekar, S. Swelum, A.A.	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113469	SDG 3
819	A brief review on recent advances in diagnostic and therapeutic applications of extracellular vesicles in cardiovascular disease	Das, D. Jothimani, G. Banerjee, A. Dey, A. Duttaroy, A.K. Pathak, S.	2024	International Journal of Biochemistry and Cell Biology	10.1016/j.biocel.2024.106616	SDG 3
820	Recent advances in sustainable biopolymer-based nanocomposites for smart food packaging: A review	Mishra, B. Panda, J. Mishra, A.K. Nath, P.C. Nayak, P.K. Mahapatra, U. Sharma, M. Chopra, H. Mohanta, Y.K. Sridhar, K.	2024	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2024.135583	SDG 9 SDG 13
821	Recent advances in cellulose-based sustainable materials for wastewater treatment: An overview	Sharma, R. Nath, P.C. Mohanta, Y.K. Bhunia, B. Mishra, B. Sharma, M. Suri, S. Bhaswant, M. Nayak, P.K. Sridhar, K.	2024	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2023.128517	SDG 3 SDG 6
822	Sustainable production of cellulosic biopolymers for enhanced smart food packaging: An up-to-date review	Nath, P.C. Sharma, R. Mahapatra, U. Mohanta, Y.K. Rustagi, S. Sharma, M. Mahajan, S. Nayak, P.K. Sridhar, K.	2024	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2024.133090	SDG 12
823	Mussel shell-derived biogenic hydroxyapatite as reinforcement on chitosan-loaded gentamicin composite for antibacterial activity and bone regeneration	Sathiyavimal, S. Vasantharaj, S. Mattheos, N. Pugazhendhi, A. Subbalekha, K.	2024	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2024.134143	SDG 3
824	Exploring the amyloid degradation potential of nanoformulated carrageenan-bridging in vitro and in vivo perspectives	Udayakumar, S. Metkar, S.K. Girigoswami, A. Deepika, B. Janani, G. Kanakaraj, L. Girigoswami, K.	2024	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2024.134814	SDG 3
825	Improved antioxidant and anti-tubercular potential of liquiritigenin grafted on low molecular weight chitosan from gladius of Sepioteuthis lessoniana	Erica, K. Thabitha, A. Ebenezer, K.K. Kumar, S.S.A. Abishek, V. Priya, N.M. Pazhani, G.P. Ramachandran, S.	2024	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2024.131728	SDG 3
826	An Extensive Review of Vitiligo-Associated Conditions	Premkumar, M. Bhaskar Kalarani, I. Mohammed, V. Veerabathiran, R.	2024	International Journal of Dermatology and Venereology	10.1097/JD9.0000000000000346	SDG 3
827	Assessing the Impact of Real-Time Visual Feedback during Treadmill Training on Walking Improvement in Stroke Patients	Parthasarathy, R. Subramanian, S.S. Ramanathan, K. Alhalaiqa, F.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v39spl.014	SDG 3

828	Effectiveness of Nursing Strategies on Risk for Pneumonia Among Patients Connected to Mechanical Ventilator in Intensive Care Unit	Duraivelu, G. Arjunan, P. Ramanathan, K. Subramanian, S.S. Annamalai, M. Ramalingam, P.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v38.015	SDG 3
829	Evaluation of Pulmonary Status of Post-Tuberculosis Patients with Spirometry and Chest X-Ray	Paritala, A. Lakshmanan, M. Narasimhan, M. Rathinam, S.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v40spl.019	SDG 3
830	Evaluating the Anti-proliferative and Apoptotic Role of Atrial Natriuretic Peptide in Colon Cancer Cell Lines	Das, A. Deka, D. Banerjee, A. Pathak, S.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v38.021	SDG 3
831	Comparison between Task-Oriented Training and Proprioceptive Neuromuscular Facilitation Exercise on Upper Extremity Function in Spastic Cerebral Palsy	Srilakshmi Selvi, A. Kumar, M.P.G. Subramanyan, H.H.P.V. Subramanian, S.S. Altam, T.A. Alkhob, S.A. Gaowgzeh, R.A.M.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v39spl.008	SDG 4
832	Impact of Pulmonary Rehabilitation on Fatigue and Quality of Life in Patients of Interstitial Lung Disease	Issac, C.R. Sundaram, C. Narasimhan, M. Rathinam, S.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v40spl.016	SDG 3
833	Screening for Chronic Obstructive Pulmonary Disease in Patients with Coronary Artery Disease at a Tertiary Care Hospital	Jujjavarapu, M. Narasimhan, M. Rathinam, S. Balasubramanian, S.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v41spl.010	SDG 3 SDG 7
834	Effect of <i>Borreria hispida</i> Extract on SIRT1, HIF-1 α , ET-1 and VEGFR-2 Gene Expression in NRK-52E Cells Subjected to Glucotoxicity	Markandeyan, D. Ahmed, S.S.S.J. Perumat, P. Chinnasamy, A. Govindaraj, B. Sekar, N. Mookandi, S. Shanmugam, P. Velayudam, J. Padmanaban, D. Jayaraman, P.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v37spl.010	SDG 3
835	Relationship of Metabolic Syndrome With Hearing Loss	Balaji, D. Prabakaran, S. Namasivaya Navin, R.B. Rajasekaran, S. Muthukumar, R. Gowthame, K. Sarath Kumar, B. Adithya, V.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v41spl.006	SDG 3
836	Effectiveness of an Information Booklet on the Awareness of Antimicrobial Resistance (AMR) among Health Care Professionals in a Selected Primary Care Hospital	Palayan, S. Mariappan, K.D. Ramanathan, K. Subramanian, S.S. Alhalaiaqa, F. Alahmadi, G.G. Qawagzeh, S.M.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v40spl.014	SDG 3
837	Effect of Orthosiphon stamineus Extract on HIF-1A, Endothelin-1, and VEGFR-2 Gene Expression in NRK-52E Renal Tubular Cells Subjected to Glucotoxicity	Markandeyan, D. Ahmed, S.S.S.J. Perumat, P. Chinnasamy, A. Govindaraj, B. Sekar, N. Mookandi, S. Shanmugam, P. Velayudam, J. Padmanaban, D.R. Jayaraman, P.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v37spl.015	SDG 3
838	Systemic Regulatory Abnormalities in Glycemic Control and its Relation with Depression - A Cross-Sectional Study	Aravindh, M. Kailash, S.Z. Sureshkumar, K.	2024	International Journal of Experimental Research and Review	10.52756/ijerr.2024.v40spl.013	SDG 3
839	Advancements in Supercapacitor electrodes and perspectives for future energy storage technologies	Dar, M.A. Majid, S.R. Satgunam, M. Siva, C. Ansari, S. Arusalan, P. Rafi Ahamed, S.	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2024.05.191	SDG 7
840	A review of CdS-based S-scheme for photocatalytic water splitting: Synthetic strategy and identification techniques	Sharma, K. Hasija, V. Malhotra, M. Verma, P.K. Parwaz Khan, A.A. Thakur, S. Van Le, Q. Phan Quang, H.H. Nguyen, V.-H. Singh, P. Raizada, P.	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2023.09.033	SDG 7
841	Effects of metals (X = Be, Mg, Ca) encapsulation on the structural, electronic, phonon, and hydrogen storage properties of KXCl3 halide perovskites: Perspective from density functional theory	Mbonu, I.J. Louis, H. Chukwu, U.G. Agwamba, E.C. Ghotekar, S. Adeyinka, A.S.	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2023.07.099	SDG 7
842	Enhancing microbial fuel cell performance for sustainable treatment of palm oil mill wastewater using carbon cloth anode coated with activated carbon	Aun Ng, C. Chew, S.N. Bashir, M.J.K. Abunada, Z. Wong, J.W.C. Habila, M.A. Khoo, K.S.	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2023.09.162	SDG 6 SDG 7
843	Enhanced microalgal hydrogen production subsisting on visible light TiO2 nanotubes photocatalyst pre-treated palm kernel expeller	Sahrin, N.T. Ardo, F.M. Suparmaniam, U. Ramli, A. Sin, J.C. Lam, S.M. Da Oh, W. Chidi, B.S. Ng, H.-S. Shahid, M.K. Tavfeek, A.M. Khoo, K.S. Lim, J.W.	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2023.12.099	SDG 7
844	Enhancing microalgal hydrogen production via photo-fermentative modelling with alimention derived from palm kernel expeller	Sahrin, N.T. Khoo, K.S. Masri, A.N. Rawindran, H. Tong, W.-Y. Altaf, M. Sin, J.C. Lam, S.M. Bashir, M.J.K. Lim, J.W.	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2024.05.378	SDG 7
845	Surface engineering of non-platinum-based electrocatalysts for sustainable hydrogen production: Encapsulation, doping, and decoration approach	Unimuke, T.O. Mbonu, I.J. Louis, H. Mathias, G.E. Hossain, I. Ikenyirimba, O.J. Nwobodo, I.C. Adeyinka, A.S.	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2023.10.137	SDG 7

846	Knowledge and Awareness about Adverse Pregnancy Outcomes and Periodontitis among Pregnant Women: A Cross-sectional Study	Muniyandi, L.P. Dharuman, S. Mahavishnu, R.D. Chellapandi, S.	2024	International Journal of Infertility and Fetal Medicine	10.5005/jp-journals-10016-1362	SDG 3
847	A Systemic Review and Meta-analysis on Natural Resistance-associated Macrophage Protein 1 (3'-Untranslated Region) and Nucleotide-binding Oligomerization Domain-2 (rs8057341) Polymorphisms and Leprosy Susceptibility in Asian and Caucasian	Antony, B.S. Nagarajan, C. Devaraj, D.V. Subbaraj, G.K.	2024	International Journal of Mycobacteriology	10.4103/ijmy.ijmy_43_24	SDG 3
848	Revolutionizing cancer treatment through nanoengineered photosensitizer formulations for advanced photodynamic therapy	Pallavi, P. Harini, K. Mahata, A. Thirumalai, A. Girigoswami, K. Girigoswami, A.	2024	International Journal of Nano Dimension	10.57647/j.ijnd.2024.1502.10	SDG 3
849	Nanostructured carbon dots as ratiometric fluorescenrulers for heavy metal detection	Kiran, V. Harini, K. Thirumalai, A. Girigoswami, K. Girigoswami, A.	2024	International Journal of Nano Dimension	10.57647/j.ijnd.2024.1504.26	SDG 14
850	A cross-sectional study on allergen reactivity in children using skin prick test	Archaka, S.S. Dhivya Sree, V.S. Kumar, C.A. Antony, J.	2024	International Journal of Nutrition, Pharmacology, Neurological Diseases	10.4103/ijnpnd.ijnpnd_77_24	SDG 3
851	Assessment of work-life balance among married female healthcare workers in a tertiary care hospital of Chengalpattu district, Tamil Nadu: A cross-sectional study	Vigneshsamy, M. Chellaiyan, D.V.G. Sasithra, S. Vijayalakshmi, S. Sanjutha, A. Kumar, R.K.A. Harishma, R. Rajan, E.D.T.J.	2024	International Journal of Occupational Safety and Health	10.3126/ijosh.v14i3.60757	SDG 11
852	Polymer-Based Antimicrobial Peptide Mimetics for Treating Multi-drug Resistant Infections: Therapy and Toxicity Evaluation	Harini, K. Girigoswami, K. Thirumalai, A. Girigoswami, A.	2024	International Journal of Peptide Research and Therapeutics	10.1007/s10989-024-10648-0	SDG 3
853	DNA damage response and neoantigens: A favorable target for triple-negative breast cancer immunotherapy and vaccine development	Subbarayan, R. Srinivasan, D. Balakrishnan, R. Kumar, A. Usmani, S.S. Srivastava, N.	2024	International Review of Cell and Molecular Biology	10.1016/bs.ircmb.2024.05.001	SDG 3
854	COVID-19 and Diabetes: Risks, outcomes, and management strategies for vulnerable populations	Arya, R.K. Divyatakshmi, P.K. Imran, M. Vasanthi, R.K. Begum, S.A. Kumar, D.S. Dash, B. Bindu, D. Kannaiyan, S.P.	2024	IP International Journal of Medical Microbiology and Tropical Diseases	10.18231/j.ijmmt.2024.054	SDG 3
855	Impact of Alginate Nanogel with Epigallocatechin and 5-azacytidine on ex vivo Studies Against Copper Ischemic Injury	Shalom, R.N. Narayan, S.	2024	Iranian Journal of Science	10.1007/s40995-024-01725-6	SDG 3
856	Sparkling jewels of innovation: Revolutionizing environmental solutions with spinel-infused advanced nanomaterials, unveiling today's insights, and illuminating tomorrow's frontiers	Soni, R. Thakur, A. Ghotekar, S. Lokhande, P.E. Aepuru, R. Sathish, M. Kumar, D. Mubarak, N.M.	2024	Journal of Alloys and Compounds	10.1016/j.jallcom.2024.174542	SDG 6 SDG 7
857	Recent advances and synergistic interactions in graphene-based polymer nanocomposites for enhanced gas sensing applications	Priya, A.K. Muruganandam, M. Venkatraman, Y. Sagadevan, S.	2024	Journal of Alloys and Compounds	10.1016/j.jallcom.2024.176599	SDG 9
858	Enhanced desalination performance and arsenate removal using semi-aromatic polyamide-based pervaporation membranes by modifying with amino-acids via interfacial polymerization	Pham, X.M. Nguyen, N.T. Van Bui, T. Nguyen, N.H.T. Nguyen, T.M. Bui, P.N. Nguyen, N.N.T. Phong, M.T. Nguyen, V.-H. Tran, L.-H.	2024	Journal of Applied Polymer Science	10.1002/app.54749	SDG 6
859	An association between fat mass and obesity-associated (FTO) (rs9939609) and kisspeptin-1 (KISS-1) (rs4889, rs372790354) gene polymorphisms with polycystic ovary syndrome: an updated meta-analysis and power analysis	Stephen, S.B. Pauline, R. Velmurugan, S. Subbaraj, G.K.	2024	Journal of Assisted Reproduction and Genetics	10.1007/s10815-024-03213-7	SDG 3
860	Advantages of nanomedicine over the conventional treatment in Acute myeloid leukemia	Janani, G. Girigoswami, A. Girigoswami, K.	2024	Journal of Biomaterials Science, Polymer Edition	10.1080/09205063.2023.2294541	SDG 3
861	INSM1 expression in neuroendocrine tumors in a tertiary care hospital	Chandrasekaran, K. Sundaram, S. Balasubramanian, S.	2024	Journal of Cancer Research and Therapeutics	10.4103/jcrt.jcrt_2329_22	SDG 3
862	Correlation of inflammatory markers and NFATC4 gene expression among subjects with prediabetes	Rajan, A. Karpagavel, L. Vidya, S. Sheena, K.S. Harilal, M.D. Deepthi, S. Manjusha, K. Raveendran, R. Ambili, P.V. Midhun, T.M. Swathi, T. Roy, D.D.	2024	Journal of Cardiovascular and Thoracic Research	10.34172/jcvtr.33272	SDG 3
863	2D heterostructures in photocatalysis for emerging applications: Current Status, challenges, and Prospectives	Mai, T.-H. Kumar, R. Soni, V. Singh, P. Iqbal, T. Kumar, A.S.K. Nguyen, V.-H. Raizada, P. Pham, P.V.	2024	Journal of Catalysis	10.1016/j.jcat.2024.115744	SDG 7 SDG 13

864	Effects of Alcohol and Its Relationship with Deranged Liver Function Tests and Withdrawal Symptoms	Thangarajan, R.J. Sureshkumar, K. Kailash, S.Z. Manogaran, A.	2024	Journal of Chemical Health Risks	10.60829/jchr.2024.1917	SDG 3
865	Influence of Respiratory and Gut Microbiome on the Outcome of Tuberculosis: A Comprehensive Review	Selvabai, A.P.R. Shanmugam, P.	2024	Journal of Communicable Diseases	10.24321/0019.5138.202401	SDG 3
866	Otorhinolaryngological Manifestations Following COVID-19 Disease-A Cross-Sectional Observational Study	Prabakaran, S. Navin, N.R.B. Rajasekaran, S. Gopan, G.U.	2024	Journal of Communicable Diseases	10.24321/0019.5138.202411	SDG 3
867	Is Experience Better than Evidence? Tuberculous Laryngitis: A Case Report	Kumar, B. Rajasekaran, S. Muthukumar, R. Prabakaran, S. Navin, N.R.B. Balaji, D. Gowthame, K. Adithya, V.	2024	Journal of Communicable Diseases	10.24321/0019.5138.202477	SDG 3
868	Molecular Docking, Quantum Mechanics and Molecular Dynamics Simulation of Anti-CAD Drugs Against High-Risk Xanthine Dehydrogenase Variants Associated with Oxidative Stress Pathways	Janakiraman, V. Sudhan, M. Ahmad, S.F. Attia, S.M. Emran, T.B. Ahmed, S.S.S.J.	2024	Journal of Computational Biophysics and Chemistry	10.1142/S2737416524500315	SDG 3
869	Role of degrading hydrogels in hepatocellular carcinoma drug delivery applications: A review	Selvaraj, S. Chauhan, A. Verma, R. Dutta, V. Rana, G. Duglet, R. Subbarayan, R. Batoo, K.M.	2024	Journal of Drug Delivery Science and Technology	10.1016/j.jddst.2024.105628	SDG 3
870	Investigation on antioxidant, antimicrobial, anti-inflammatory, and neuropsychiatry potential of phyto-mediated ZnONPs using Colebrookea oppositifolia	Bhardwaj, N. Puri, S. Kumari, A. Chauhan, A. Kumar, A.	2024	Journal of Drug Delivery Science and Technology	10.1016/j.jddst.2024.105748	SDG 3
871	Ab Initio Study of the Effects of d-Block Metal (Mn, Re, Tc) Encapsulation on the Electronic, Phonon, Thermodynamic, and Gravimetric Hydrogen Capacity of BaXH4 Hydride Perovskites	Ededet, E. Louis, H. Chukwu, U.G. Magu, T.O. Udo, A.E. Adaliku, S.A. Adeyinka, A.S.	2024	Journal of Electronic Materials	10.1007/s11664-023-10759-2	SDG 7
872	Fabrication of Graphene Oxide on CdS- and PbS-Doped Bismuth Titanates for Photocatalytic Hydrogen Production	Gahlawat, A. Kumar, D. Lokhande, P.E. Sharma, R. Verma, B. Rednam, U. Ghotekar, S. Ghfar, A.A. Kumar, Y.A. Praveenkumar, S.	2024	Journal of Electronic Materials	10.1007/s11664-024-11520-z	SDG 7
873	Multifunctional application of seagrass-derived rosmarinic acid in mitigating biofilm and quorum-sensing virulence transcripts of methicillin-resistant Staphylococcus aureus	Danaraj, J. Uthirakrishnan, U. Kumaresan, S. Natarajan, P.K. Krishna, J. Perumal, A.S. Selvakumar, K. Karami, Z. Pugazhendhi, A.	2024	Journal of Environmental Chemical Engineering	10.1016/j.jece.2024.113086	SDG 3
874	Modification of cellulose acetate membrane by integrating magnetite@xanthan gum nanocomposite to enhance performance characteristics	Ravichandran, S.R. Venkatchalam, C.D. Sengottian, M. Ramachandran, D. Saminathan, A. Raja, A. Venkatesan, G. Chinnathambi, A. Pugazhendhi, A. Kandasamy, S.	2024	Journal of Environmental Chemical Engineering	10.1016/j.jece.2024.112435	SDG 6 SDG 9
875	Degradation of chlorinated volatile organic compounds in waste gas by catalytic plasma system	Yen, Y. Wu, J.C.S. Zhang, X. Bai, Y. Huang, C.-W. Nguyen, V.-H.	2024	Journal of Environmental Chemical Engineering	10.1016/j.jece.2024.112678	SDG 3 SDG 9 SDG 13
876	Effective removal of perfluorooctanoic acid from water using PVA@UIO-66-NH2/GO composite materials via adsorption	Van Thang, V. Tran Duy Nguyen, N. Nadagouda, M.N. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2024	Journal of Environmental Management	10.1016/j.jenman.2024.122248	SDG 6
877	Advanced protein nanobiosensors to in-situ detect hazardous material in the environment	Ly, N.H. Aminabhavi, T.M. Vasseghian, Y. Joo, S.-W.	2024	Journal of Environmental Management	10.1016/j.jenman.2024.121727	SDG 3
878	Abreast insights of harnessing microalgal lipids for producing biodiesel: A review of improving and advancing the technical aspects of cultivation	Ahmad Sobri, M.Z. Khoo, K.S. Liew, C.S. Lim, J.W. Tong, W.-Y. Zhou, Y. Zango, Z.U. Bashir, M.J.K. Alam, M.M.	2024	Journal of Environmental Management	10.1016/j.jenman.2024.121138	SDG 7 SDG 13
879	Long-term evaluation of palm oil mill effluent (POME) steam reforming over lanthanum-based perovskite oxides	Cheng, Y.W. Chong, C.C. Cheng, C.K. Wang, C.-H. Ng, K.H. Witoon, T. Lam, M.K. Lim, J.W.	2024	Journal of Environmental Management	10.1016/j.jenman.2023.119919	SDG 6
880	Effectiveness of Structured Pilates Exercise on Core Muscle Endurance and Quality of Life among Sedentary Adults: A Randomized Controlled Trial	Bharathi, R.J. Purushothaman, S. TP, D.S. CK, M.	2024	Journal of Exercise Physiology Online	-	SDG 3
881	Mitigating pollutants in textile dye wastewater with Aloe vera (L.) Burm. f. and Abelmoschus esculentus (L.) Moench: A study on treatment efficacy	Thamaraiselvi, C. S. T. , A. Nandhini, M. Kata, K. Vasanthy, M. Rajakannan, V. Al-Khattaf, F.S. Hatamleh, A.A. Chandrasekaran, M. Ravi, K. Chang, S.W. Ravindran, B.	2024	Journal of Hazardous Materials Advances	10.1016/j.hazadv.2024.100517	SDG 3 SDG 6

882	Influence of Interleukin Polymorphisms on the Risk of Recurrent Pregnancy Loss: A Systematic Review and Meta-analysis	Sekar, P.K.C. Veerabathiran, R.	2024	Journal of Human Reproductive Sciences	10.4103/jhrs.jhrs_110_24	SDG 3
883	A recent developments in Ag ₃ VO ₄ based photocatalysts towards environmental remediation: Properties, synthesis, strategies and applications	Chauhan, A. Sonu Raizada, P. Singh, P. Ahamad, T. Nguyen, V.-H. Van Le, Q. Aslam Parwaz Khan, A. Kumar, N. Sudhaik, A. Mustansar Hussain, C.	2024	Journal of Industrial and Engineering Chemistry	10.1016/j.jiec.2023.09.042	SDG 6
884	Cerium Oxide Nanoparticles and Their Polymeric Composites: Advancements in Biomedical Applications	Selvaraj, S. Chauhan, A. Radhakrishnan, A. Rana, G. Dutta, V. Batoo, K.M. Ghotakar, S.	2024	Journal of Inorganic and Organometallic Polymers and Materials	10.1007/s10904-024-03263-5	SDG 3
885	Empowering Precision Oncology: Advancing Cancer Research by Augmenting Single-cell RNA and Bulk RNA Sequencing for Confronting the Heterogeneity in Ovarian Cancer	Siham, M.A. Prabahar, A.A.	2024	Journal of Mid-Life Health	10.4103/jmh.jmh_93_23	SDG 3
886	Hydrogel immobilized microalgae-alginate beads to model the fermentation of phenol-containing wastewater into biohydrogen molecules	Min Woon, J. Shiong Khoo, K. Kazi, M. Nur-e-Atam, M. Tasnim Sahrin, N. Wei Lim, J. Kiatkittipong, W. Ali, S.S. Ho, C.-D. Usman, A. Silas Chidi, B. Tong, W.-Y.	2024	Journal of Molecular Liquids	10.1016/j.molliq.2024.125157	SDG 6 SDG 7
887	Cobalt group transition metals (TM: Co, Rh, Ir) coordination of S-doped porphyrins (TM_S@PPR) as sensors for molecular SO ₂ gas adsorption: a DFT and QTAIM study	Raimi, M.A. Rajee, A.O. Gber, T.E. Arikpo, T.O. Pembere, A.M.S. Louis, H.	2024	Journal of Molecular Modeling	10.1007/s00894-024-05879-3	SDG 3
888	Emerging silver-doped strontium titanate nanostructures as photocatalysts for the degradation of organic pollutants under visible light	Mahalingam, S. Charmakani, J. Ramu, R. Etumalai, B. Almutairi, S.M. Muniyandi, G.R. Kim, J. Srinivasan, A. Bakthavatchalam, S. Atchudan, R.	2024	Journal of Molecular Structure	10.1016/j.molstruc.2024.137854	SDG 6
889	Spectral (FT-IR, NMR, UV) characterization, DFT studies, and molecular docking of hydrazine derivatives as antiviral agent for yellow fever (YFV)	Okon, E.E.D. Osondu-Anyanwu, C. Edet, H.O. Edet, U.O. Godwin, U.C. Imojar, A. Manicam, A.-L.E. Louis, H.	2024	Journal of Molecular Structure	10.1016/j.molstruc.2023.136559	SDG 3
890	Derivative of aminoresin as potent anti-virulence agent: Synthesis, spectral (FT-IR, UV, NMR) analysis, molecular docking, effect of polar solvation dynamics, and quantum chemical investigation	Ubah, C.B. Mujafarkani, N. Sundaravadeivel, A. Narendran, N. Godfrey, O.C. Ogbodo, S.E. Odey, M.O. Benjamin, I. Ahamed, A.J. Owen, A.E. Agbo, B.E. Louis, H.	2024	Journal of Molecular Structure	10.1016/j.molstruc.2023.136744	SDG 3
891	A Rare Case Report of Haemopneumothorax Complicated by Chryseobacterium indologenes Infection	Shivaali, A. Luke, M.S. Louis, J.M. Shanmugam, P.	2024	Journal of Mycology and Infection	10.17966/JMI.2024.29.4.200	SDG 3
892	Persistent Axillary Lymphadenitis in a Toddler Post BCG vaccination: A Case Report	Mannu, A. Shanmugam, P. Thiyagarajan, B.	2024	Journal of Mycology and Infection	10.17966/JMI.2024.29.4.196	SDG 3
893	Evaluation of Antioxidant, Antibacterial and Antidiabetic Activity of Juglans regia Root Extract: In Vitro and In Vivo Studies	Francis, M. Padmaja, S. Radhakrishnan, A. Paulraj, C.S. Shankar, S. Isaac, J.B. Kalaichelvan, S. Selvaraj, S.	2024	Journal of Natural Remedies	10.18311/jnr/2024/44428	SDG 3
894	Evaluating the Antioxidant and Anticancer Activity of Saccharum spontaneum Linn Flower Extract in Hepatocellular Carcinoma: An In Vitro and In Vivo Study	Paulraj, C.S. Subbaraj, G.K. Arifunhera, J. Annadurai, D.P. Sundaram, K. Isaac, J.B. Santhosh Kumar, Y. Selvaraj, S. Kalaichelvan, S. Radhakrishnan, A.	2024	Journal of Natural Remedies	10.18311/jnr/2024/44429	SDG 3
895	Cocos nucifera Linn.: A Promising Candidate for Drug Development	Vatakkeel, B. Mythreyi, R. Siju, E.N.	2024	Journal of Natural Remedies	10.18311/jnr/2024/34866	SDG 3
896	An Unusual Presentation of Chaput Tubercle Fracture with Coexisting Bimalleolar Component Involving Lateral and Posterior Malleoli: A Case Report	Kothimbakkam, P.K. Murugesan, V. Vadivelkumar, B. Gokulakrishnan, E.	2024	Journal of Orthopedic and Spine Trauma	10.18502/jost.v10i3.16788	SDG 3
897	Stereomicroscope-Based in Vitro Study Evaluating the Marginal and Internal Fit of PEEK and PEKK Crowns	Amalorpavam, V. Chandramohan, G. Soundar, J. Shankar, K. Missier, M.S. Hines, A.J.	2024	Journal of Pharmacy and Bioallied Sciences	10.4103/jpbs.jpbs_756_23	SDG 9
898	An Insight into the Present Pandemic Scenario (COVID-19) with Respect to Maxfac Speciality	Awasthy, A. Manjula, V. Mohanty, L. Ahmed, T. Latha, A.H. Jeevitha, J.Y. Makkad, R.S.	2024	Journal of Pharmacy and Bioallied Sciences	10.4103/jpbs.jpbs_629_23	SDG 3
899	Facile phytosynthesis of gold nanoparticles using Nepeta bodeana Bunge: Evaluation of its therapeutics and potential catalytic activities	Sharifi-Rad, M. Kishore Mohanta, Y. Pohl, P. Nayak, D. Messaoudi, M.	2024	Journal of Photochemistry and Photobiology A: Chemistry	10.1016/j.jphotochem.2023.115150	SDG 3

900	Enhanced Photocatalytic Efficacy and Stability in Antibiotic Pollution Mitigation Using BiVO ₄ Nanoballs Encased in Ultrathin Polymeric g-C ₃ N ₄ Nanocomposites under Visible Light Exposure	Govinda raj, M. Ganeshraja, A.S. Kaviyarasan, K. Hector, V. Pugazhenthiran, N. Katayama, K. Vaskuri, C.S.T. Bosco, A.J. Neppolian, B.	2024	Journal of Physical Chemistry C	10.1021/acs.jpcc.3c07599	SDG 6
901	Mechanisms in the photocatalytic breakdown of persistent pharmaceutical and pesticide molecules over TiO ₂ -based photocatalysts: A review	Nair, N. Gandhi, V. Shukla, A. Ghotekar, S. Nguyen, V.-H. Varma, K.	2024	Journal of Physics Condensed Matter	10.1088/1361-648X/ad5fd6	SDG 6
902	Unicyclic ameloblastoma: Clinico-radiological and histopathological correlation with management	Chaudhary, Z. Sharma, P. S, H. Joshna, E.K. Augustine, J. Vijayaragavan, R. Nehra, A. Garg, V.	2024	Journal of Plastic, Reconstructive and Aesthetic Surgery	10.1016/j.bjps.2024.07.042	SDG 3
903	Metabolites Profiling of Humid Tropic Simulated Bungor Soil Under Biofertilizer Application	Ajeng, A.A. Shim, G.S. Abdullah, R. Ling, T.C. Khoo, K.S.	2024	Journal of Soil Science and Plant Nutrition	10.1007/s42729-024-01961-0	SDG 2 SDG 8 SDG 9 SDG 13
904	A novel approach towards biosynthesis of BiVO ₄ nanoparticles and their anticancer, antioxidant, and photocatalytic activities	Ghotekar, S. Basnet, P. Mohamed, H.E.A. Lin, K.-Y.A. Rahdar, A. Khalid Hossain, M. Chauhan, A. Oza, R.	2024	Journal of Sol-Gel Science and Technology	10.1007/s10971-024-06317-9	SDG 3
905	Eco-friendly fabrication of CdO nanoparticles using Polyalthia longifolia leaves extract for antibacterial and electrochemical sensing studies	Ghotekar, S. Ravikumar, C.R. Chauhan, A. Hikku, G.S. Lin, K.-Y.A. Rahdar, A. Hitter, L. Jabir, M.S. Marzban, A. Oza, R.	2024	Journal of Sol-Gel Science and Technology	10.1007/s10971-024-06352-6	SDG 7
906	Effect of direct and indirect in-situ sonochemical synthesis methods of MWCNTs-CoNiFerrite on the hydrogen storage	Abdulkareem, S.M. Alsaffar, R.M. Razzaq, G.H.A. Mohammed, J.H. Awad, T.M. Altheety, M.A. Mohammed, L.A. Mageed, A.H. Ali, E.M. Dalaf, A.H. Rustagi, S. Ghotekar, S.	2024	Journal of Sol-Gel Science and Technology	10.1007/s10971-024-06502-w	SDG 7
907	Structural, optoelectronic, and antibacterial properties of Cu _x Mn _{1-x} S nanoparticles fabricated by co-precipitation approach	Vyas, D. Parikh, K. Jadav, R. Dubey, V. Kataria, B. Ghotekar, S.	2024	Journal of Sol-Gel Science and Technology	10.1007/s10971-024-06558-8	SDG 7
908	Insights into the antioxidant and anticancer properties of novel biologically synthesized NiO/Ni ₂ O ₃ nanoparticles using Sargassum tenerrimum	Barwant, M. Karande, V. Basnet, P. Kumar, D. Sargazi, S. Mirzaei, M. Jabir, M.S. Sanap, D. Ghotekar, S.	2024	Journal of Sol-Gel Science and Technology	10.1007/s10971-024-06446-1	SDG 3
909	Association between Umbilical Cord Coiling Index and Perinatal Outcome	Dd, N.R. Cr, A. Kandasamy, V.	2024	Journal of South Asian Federation of Obstetrics and Gynaecology	10.5005/jp-journals-10006-2308	SDG 3
910	R0 resection of linitis plastica of the stomach with synchronous bilateral Krukenberg tumours in a young woman	Muralidhar, V. Moorthy, P.E. Krishnan, A.C.K. Manavalan, L.J.	2024	Journal of Surgical Case Reports	10.1093/jscr/rjae053	SDG 3
911	Morphometric and Histological Changes of the Placenta in Hypertensive Disorders of Pregnancy	Nayak, J.N. Sunitha, B. Rajitarajendran, H.	2024	Journal of the Anatomical Society of India	10.4103/jasi.jasi_31_23	SDG 3
912	Evaluating the biomedical potential of phytomediated silver doped zinc oxide nanoparticles derived from n-butanol fraction of Adiantum venustum D. Don	Kimta, N. Chauhan, A. Puri, S. Kumari, A. Sharma, R. Kumar, A. Kapoor, D.	2024	Journal of the Indian Chemical Society	10.1016/j.jics.2024.101364	SDG 3 SDG 9
913	An overview of improving photocatalytic activity of MnO ₂ via the Z-scheme approach for environmental and energy applications	Mathotra, M. Poonia, K. Singh, P. Khan, A.A.P. Thakur, P. Van Le, Q. Helmy, E.T. Ahamad, T. Nguyen, V.-H. Thakur, S. Raizada, P.	2024	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.104945	SDG 7 SDG 13
914	Fabrication and characterization of novel V, S co-doped Ta ₃ N ₅ protected with PANI composite materials for hydrogen generation from light-driven water splitting	Sindhu, M. Sharma, A. Maan, K.S. Patel, V. Singh, P.P. Nguyen, V.-H.	2024	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2023.105024	SDG 7
915	Advances in bismuth titanate (Bi ₁₂ TiO ₂₀)-based photocatalysts for environmental remediation: Fundamentals and practical applications	Chauhan, A. Kumar, R. Sonu Raizada, P. Khan, A.A.P. Ahamad, T. Van Le, Q. Nguyen, V.-H. Thakur, S. Singh, P. Sudhaik, A. Alzahrani, K.A.H.	2024	Journal of Water Process Engineering	10.1016/j.jwpe.2024.104974	SDG 7
916	Exploration and Validation of Lead Molecules against Yellow Fever through High Throughput Virtual Screening and Molecular Dynamics Simulation	Kathiresan, N. Pandi, S. Sahul, T.P. Subbaraj, G.K. Ganapathy, P. Chandrashekar, K. Kulanthaivel, L.	2024	Letters in Drug Design and Discovery	10.2174/1570180820666230223113742	SDG 3
917	Studies on polyethylene glycol crosslinked chitosan nanoparticles for co-delivery of docetaxel and 5-fluorouracil with synergistic effect against cancer	Manivannan, S. Narayan, S.	2024	Macromolecular Research	10.1007/s13233-023-00234-6	SDG 3

918	Marine Derived Pharmaceuticals in Biomedical Research: Current Developments and Future Prospects	Santhosh Kumar, Y. Swarnalatha, G.V.	2024	Marine Bioactive Molecules for Biomedical and Pharmacotherapeutic Applications	10.1007/978-981-99-6770-4_5	SDG 3
919	Nb-Ta3N5 protected with PANI nanocomposite for enhanced photocatalytic water-splitting towards hydrogen production under visible light irradiation	Sindhu, M. Sharma, A. Maan, K.S. Patel, V. Singh, P.P. Nguyen, B.-S. Vo, D.-V.N. Nguyen, V.-H.	2024	Materials Letters	10.1016/j.matlet.2024.135895	SDG 7
920	Delineating the sensing analysis of discarded pencil graphite in biofuel ethanol – Experimental and theoretical validation	Renganathan, B. Krishna Rao, S. Poornimadevi, C. Kamath, M.S. Meher Abhinav, E. Moorthy, T. Kalai Priya, A. Preferential Kala, C.	2024	Materials Letters	10.1016/j.matlet.2024.136118	SDG 7
921	Cardiospermum halicacabum leaf extract assisted Ag and Zn doped biocompatible nanohydroxyapatite photocatalyst for efficient dye degradation from wastewater	Dhanaraj, K. Adhithyan, T. Gubendhiran, S. Thenpandiyan, E. Itaiyaraja, P. Sagadevan, S. Suresh, G.	2024	Materials Science and Engineering: B	10.1016/j.mseb.2024.117568	SDG 6
922	Polyaniline assembly ultra-thin graphene hybrid nanocomposites synthesis for current research trends of promising applications in emerging fields	Meher, A. Tandil, A. Jena, H.K. Rout, L. Moharana, S. Sagadevan, S.	2024	Materials Science and Engineering: B	10.1016/j.mseb.2024.117596	SDG 7
923	Comparative genome analysis reveals putative and novel antimicrobial resistance genes common to the nosocomial infection pathogens	Sahayarayan, J.J. Thyagarajan, R. Prathiviraj, R. Tn, K. Rajan, K.S. Manivannan, P. Balasubramanian, S. Mohd Zainudin, M.H. Alodaini, H.A. Moubayed, N.M. Hatamleh, A.A. Ravindran, B. Mani, P.P.	2024	Microbial Pathogenesis	10.1016/j.micpath.2024.107028	SDG 3 SDG 8 SDG 12
924	Biosensors for detection of pesticide residue, mycotoxins and heavy metals in fruits and vegetables: A concise review	Balkrishna, A. Kumari, A. Kumar, A. Arya, V. Chauhan, A. Upadhyay, N.K. Guleria, I. Amarowicz, R. Kumar, D. Kuca, K.	2024	Microchemical Journal	10.1016/j.microc.2024.111292	SDG 2 SDG 3 SDG 14
925	Microplastics occurrence, contamination, and effects on human health—a critical review	Phan Thi, L.A. Nguyen, V.-H. Duc Do, X. Linh Dang, T.H. Tuan Do, H. Nguyen, T.L.	2024	Microplastics: Origins, Risks, and Mitigation	10.1016/B978-0-443-29804-2.00020-2	SDG 3
926	A brief overview of SARS-CoV-2 infection and its management strategies: a recent update	Das, A. Pathak, S. Premkumar, M. Sarpparajan, C.V. Balaji, E.R. Duttaroy, A.K. Banerjee, A.	2024	Molecular and Cellular Biochemistry	10.1007/s11010-023-04848-3	SDG 3
927	Relationship between urinary tract infections and serum vitamin D level in adults and children- a literature review	Mercy, D.J. Girigoswami, A. Girigoswami, K.	2024	Molecular Biology Reports	10.1007/s11033-024-09888-6	SDG 3
928	Exploring platelet-derived microvesicles in vascular regeneration: unraveling the intricate mechanisms and molecular mediators	Balakrishnan, R. Subbarayan, R. Shrestha, R. Chauhan, A. Krishnamoorthy, L.	2024	Molecular Biology Reports	10.1007/s11033-024-09302-1	SDG 3
929	Bionanotechnological Strategies and Tools for Cancer Prediction, Prevention and Therapy	Narayan, S.	2024	Molecular Biomarkers for Cancer Diagnosis and Therapy	10.1007/978-981-99-3746-2_9	SDG 3
930	Ni-based plasmonic photocatalysts for solar to energy conversion: A review	Poonia, K. Nguyen, T.T.H. Singh, P. Ahamad, T. Thakur, S. Nguyen, V.-H. Kim, S.Y. Le, Q.V. Chaudhary, V. Khan, A.A.P. Selvasembian, R. Mishra, A.K. Gautam, S. Raizada, P.	2024	Molecular Catalysis	10.1016/j.mcat.2024.114166	SDG 13
931	Unveiling the Role of Nano-Formulated Red Algae Extract in Cancer Management	Janani, G. Girigoswami, A. Deepika, B. Udayakumar, S. Girigoswami, K.	2024	Molecules	10.3390/molecules29092077	SDG 3
932	Microbots: Transforming the treatment of oral cancer	Chandrashekar, G. Vijay, D. D. Subbaraj, G.K.	2024	Nano TransMed	10.1016/j.ntm.2024.100043	SDG 3
933	Potential pharmaceutical applications and molecular docking study for green fabricated ZnO nanoparticles mediated Raphanus sativus: In vitro and in vivo study	Kadhun, H.H. Ibraheem, S. Jawad, Z.N. Jeddo, Z.M.A. Rasool, K.H. Jabir, M.S. Najm, M.A. Jawad, S.F. Al-Kuraishy, H.M. Nayef, U.M. Abdula, A.M. Ghotekar, S. Swelum, A.A.	2024	Nanotechnology Reviews	10.1515/ntrev-2024-0113	SDG 3
934	Nano-Biofertilizers and Nano-Biopesticides: Impact of Future Agrochemicals	Singh, K. Chauhan, A. Sonu Kumar, P. Verma, R. Kumar, V. Thakur, P.	2024	Nanotechnology: Agriculture, Environment and Health	10.1007/978-981-97-6814-1_4	SDG 2
935	Impact of Vitamin D Supplementation on Glycaemic Control in Type 2 Diabetes Patients: A Double Blind Randomized Controlled Trial	Danasekaran, R. Ravichandhiran, G. Agadi, S. Hari Krishnan, R.	2024	National Journal of Community Medicine	10.55489/njcm.150720244069	SDG 3

936	Elevated Blood Pressure and Behavioral Risk Factors of Non-Communicable Disease Among School-Going Adolescents in Chengalpattu District, India: A Cross-Sectional Study	Ramesh, H. Ravichandhiran, G. Agadi, S. Kesavan, S. Kumar, A. Muthuchamy, V.	2024	National Journal of Community Medicine	10.55489/njcm.151120244581	SDG 3 SDG 16
937	Isolated postpartum central diabetes insipidus in a primi mother with postpartum preeclampsia	Mathew, G.G. Ganesan, S.	2024	Nefrologia	10.1016/j.nefro.2024.05.008	SDG 3
938	Isolated postpartum central diabetes insipidus in a primi mother with postpartum preeclampsia	Mathew, G.G. Ganesan, S.	2024	Nefrologia	10.1016/j.nefro.2024.11.012	SDG 3
939	The eminence of nutrition in periodontal health and therapy—a review	Elumalai, A. Leslie, C.C. Anitha, V. Balachandran, A. Muthukali, S.	2024	Nutrire	10.1186/s41110-023-00246-3	SDG 3
940	Exploring the Relationship Between Diet, Lifestyle and Gut Microbiome in Colorectal Cancer Development: A Recent Update	Saha, B. A.T.R. Adhikary, S. Banerjee, A. Radhakrishnan, A.K. Duttaroy, A.K. Pathak, S.	2024	Nutrition and Cancer	10.1080/01635581.2024.2367266	SDG 3
941	Effect of abrupt and gradual calorie restriction regimens on biochemical and behavioral markers in obese mice model	Nathan, K. Malligai, E. Jabaris S, S.L. Visweswaraiyah, N.K.	2024	Nutrition and Health	10.1177/02601060221131726	SDG 3
942	Spatial and seasonal variation in zooplankton dynamics in Parangipettai coastal waters Southeast coast of India	Damotharan, P. Bharathidasan, V. Murugesan, P. Balasubramanian, T. Sarathy, P.P.	2024	Ocean and Coastal Management	10.1016/j.ocecoaman.2024.107365	SDG 13 SDG 14
943	Navigating Diagnostic Challenges in Cutaneous Leiomyosarcoma: A Clinical Case Study	Raghavan, V. Ayesha Sithika, T. Chandrasekaran, K.	2024	Online Journal of Health and Allied Sciences	-	SDG 3
944	A Rare case of Synovial Sarcoma of Larynx	Sudha, S. Srinivaasan, M.	2024	Online Journal of Health and Allied Sciences	-	SDG 3
945	Cytotoxic and phytochemical screening of Solanum lycopersicum–Daucus carota hydroethanolic extract and in silico evaluation of its lycopene content as anticancer agent	Ademosun, O.T. Agwamba, E.C. Ahmad, I. Patel, H. Louis, H. Adebayo, A.H. Ajanaku, K.O.	2024	Open Chemistry	10.1515/chem-2023-0164	SDG 3
946	A recent advances in antimicrobial activity of green synthesized selenium nanoparticle	Ravi, D. Gunasekar, B. Kaliyaperumal, V. Babu, S.	2024	OpenNano	10.1016/j.onano.2024.100219	SDG 7 SDG 12
947	Human papillomavirus and oropharyngeal cancer in HNSCC: A growing concern	Babu, S. Krishnan, M.	2024	Oral Oncology	10.1016/j.oraloncology.2024.106824	SDG 3
948	Emerging immune checkpoint inhibitors for the treatment of oropharyngeal squamous cell carcinoma	Ravi, P. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100650	SDG 3
949	Tumor microenvironment in oral squamous cell carcinoma: Implications for novel therapies	Babu, S. Manavalan, M.J. Jasmine, S.H. Krishnan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100666	SDG 3
950	Photodynamic therapy for oral cancer: Mechanisms, efficacy, and clinical applications	Babu, S. Krishnan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100608	SDG 3
951	Biomarkers in Nasopharyngeal Carcinoma (NPC): Clinical relevance and prognostic potential	Krishnan, M. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100640	SDG 3
952	PD-L1 mediated immune escape in nasopharyngeal carcinoma: Impact of LMP1 and IFN-γ on immune surveillance	Krishnan, M. Jothi shanmugam, A. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100688	SDG 3
953	Emergence of advanced immunotherapy: New horizons for HPV-negative head and neck squamous cell carcinoma	Krishnan, M. Babu, S. Vinaya Kumar, M.V. Subbarayan, R.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100670	SDG 3

954	Catalysts of change: Immunotherapy's frontier in oral oncology	Babu, S. Krishnan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100601	SDG 3
955	Combining radiotherapy and systemic therapies in oropharyngeal cancer: A comprehensive review of recent developments	Krishnan, M. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100659	SDG 3
956	Unlocking the potential of antimicrobial peptides: Beta-defensins and the future of cancer diagnostics	Velmurugan, S. Subbaraj, G.K.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100584	SDG 3
957	Innovations in liquid biopsy for head and neck cancer: Progress in cell-free DNA detection	Babu, S. Krishnan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100606	SDG 3
958	Radiant advances: The future of brachytherapy in oral oncology	Babu, S. Krishnan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100654	SDG 3
959	Exploring the influence of Interleukin-1 ligand expression in head and neck squamous cell carcinoma	Krishnan, M. Babu, S. Chinnayan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100523	SDG 3
960	Advances in image-guided radiotherapy (IGRT): Reducing toxicity while increasing efficacy in oral cancer	Babu, S. Ravi, P.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100623	SDG 3
961	Reevaluating clinical staging: Recent advances in AJCC/UICC criteria for nasopharyngeal carcinoma	Krishnan, M. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100621	SDG 3
962	Revealing the role: Human papillomavirus as a catalyst in head and neck cancer	Krishnan, M. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100432	SDG 3
963	The interplay between oral microbiome, malnutrition, and oral cancer/diseases	Subbaraj, G.K. Narayanan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100287	SDG 2 SDG 3
964	Targeting the Wnt/ β -catenin signaling pathway for precision therapy in laryngeal squamous cell carcinoma	Babu, S. Krishnan, M.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100529	SDG 3
965	Advancements in immunotherapy: Transforming the landscape of oral cancer treatment	Krishnan, M. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100570	SDG 3
966	Long non-coding RNA H19 in oral squamous cell carcinoma: A theragnostic approach using salivary exosomes	Sekar, R. Jayaraman, S. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100266	SDG 3
967	Optimizing PD-L1/PD-1 therapies: Immune checkpoint inhibitors in nasopharyngeal carcinoma	Krishnan, M. Sekar, G.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100675	SDG 3
968	Epigenetic alterations in oral cancer: Mechanisms, biomarkers, and therapeutic targets	Krishnan, M. Basappa, S. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100681	SDG 3
969	Immune checkpoint inhibition in NPC: A comprehensive review of PD-L1 overexpression and treatment responses	Krishnan, M. Basappa, S. Vinaya Kumar, M.V. Sekar, G.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100680	SDG 3
970	Targeting Akt signaling in head and neck squamous cell carcinoma	Krishnan, M. Babu, S.	2024	Oral Oncology Reports	10.1016/j.oor.2024.100422	SDG 3
971	Boerhavia diffusa attenuates podocyte injury in rats with adenine induced chronic kidney disease by enhancing nephrin expression	Sadayan, S. Raghavan, V. Raj Thomson, J.E. Shankaranarayanan, A. Anbumani, S. Subramanian, M.	2024	Pakistan Journal of Pharmaceutical Sciences	10.36721/PJPS.2024.37.1.REG.155-161.1	SDG 3

972	The link between trypsinogen and chymotrypsinogen in gastrointestinal cancer	Krishnan, M. Babu, S. Abdul Bari, A.B.	2024	Pathophysiological Aspects of Proteases in Cancer	10.1016/B978-0-443-30098-1.00025-2	SDG 3
973	Role of proteasome in the development of chemoresistance in multiple myeloma	Thomas, S.M. Jayakumar, S. Veerabathiran, R.	2024	Pathophysiological Aspects of Proteases in Cancer	10.1016/B978-0-443-30098-1.00026-4	SDG 3
974	Protease activator receptor-1 and matrix metalloproteinase-1 as prognostic factors and a novel therapeutic targets for gastric cancer	B K, I. Veerabathiran, R. Sivamani, G. Nithyakalyani, M.	2024	Pathophysiological Aspects of Proteases in Cancer	10.1016/B978-0-443-30098-1.00012-4	SDG 3
975	Ubiquitin specific protease 3,7 in bone cancer and squamous cell carcinoma	Velmurugan, S. Pauline, R. Arumugam, S. Muthuvel, R. Raja, S.A. Kulanthaivel, L. Subbaraj, G.K.	2024	Pathophysiological Aspects of Proteases in Cancer	10.1016/B978-0-443-30098-1.00010-0	SDG 3
976	Implementation of Pelvic Floor Muscle Strength Training in Women With Stress Urinary Incontinence	Suthadevan, S. Indrani, D. Baskaran, S. Soundaraj, J.A.	2024	Perinatology	-	SDG 3
977	8-Anilino-1-naphthalenesulfonate-Conjugated Carbon-Coated Ferrite Nanodots for Fluoromagnetic Imaging, Smart Drug Delivery, and Biomolecular Sensing	Thirumalai, A. Girigoswami, K. Prabhu, A.D. Durgadevi, P. Kiran, V. Girigoswami, A.	2024	Pharmaceutics	10.3390/pharmaceutics16111378	SDG 3
978	An Overview of Cardiovascular Disease Management with Plant-Derived Bioactive Compounds	Das, D. Keerthi, N. Banerjee, A. Duttaroy, A.K. Pathak, S.	2024	Plant Derived Bioactive Compounds in Human Health and Disease	10.1201/9781003486237-10	SDG 3
979	The Hallmarks of Amyloidosis: Focus on Treatment Strategies Using Natural Products	Udayakumar, S. Girigoswami, A. Shangavy, P. Jashwanth Raj, J. Girigoswami, K.	2024	Plant Derived Bioactive Compounds in Human Health and Disease	10.1201/9781003486237-14	SDG 3
980	Plant Derived Bioactive Compounds in Human Health and Disease	Pathak, S. Banerjee, A.	2024	Plant Derived Bioactive Compounds in Human Health and Disease	10.1201/9781003486237	SDG 3
981	Molecular insights on Etrbopog: potential mitogen stimulants, angiogenesis, and therapeutic radioprotectant through TPO-R activation	Subbarayan, R. Srinivasan, D. Shadula Osmania, S. Murugan Girija, D. Ikhlas, S. Srivastav, N. Balakrishnan, R. Shrestha, R. Chauhan, A.	2024	Platelets	10.1080/09537104.2024.2359028	SDG 3
982	Discovery of Potential Inhibitors for SFRP3: Ligand-Based 3D Pharmacophore, Virtual Screening, Molecular Docking, and Dynamics Studies	Infant Deepthi, S. Sangavi, P. Priyanka, G. Kirubhanand, C. Nachammai, K.T. Gowtham Kumar, S. Langeswaran, K.	2024	Polycyclic Aromatic Compounds	10.1080/10406638.2023.2283626	SDG 3
983	Investigation of the Anti-Plasmodial Properties of N-2-Oxo Pyrrolidine Pentanamide-Based Sulfonamides: Experimental and Theoretical Approach	Asogwa, F.C. C. Ekoh, O. I. Ugwu, D. Agwamba, E.C. Louis, H. U. Eze, F. Benjamin, I. Ejiolor, E.U. Matthias, G.E. A. Ezugwu, J. Owen, A.E. Okoro, U.C.	2024	Polycyclic Aromatic Compounds	10.1080/10406638.2023.2225680	SDG 3
984	Valorisation of agro-industrial wastes: Circular bioeconomy and biorefinery process – A sustainable symphony	Wagh, M.S. S. S. Nath, P.C. Chakraborty, A. Amrit, R. Mishra, B. Mishra, A.K. Mohanta, Y.K.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.01.055	SDG 2 SDG 7 SDG 9 SDG 12
985	Advances in solid biofuels production through torrefaction: Potential biomass, types of torrefaction and reactors, influencing process parameters and future opportunities – A review	Gizaw, D.G. Periyasamy, S. Baylie, H. Tassew Redda, Z. Asaithambi, P. Jayakumar, M. Baskar, G. Pugazhendhi, A.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.04.070	SDG 7
986	Engine behavior analysis on a conventional diesel engine combustion mode powered by low viscous cedarwood oil/waste cooking oil biodiesel/diesel fuel mixture – An experimental study	Nguyen, V.N. Balasubramanian, D. Rajarajan, A. Venugopal, I.P. Dineshkumar, C. Ravikumar, R. Nguyen Le, D.T. Cao, D.N. Femilda Josephin, J.S. Chinnathambi, A. Pugazhendhi, A. Varuvel, E.G.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.02.002	SDG 7 SDG 13
987	Production of liquid hydrocarbon fuels through catalytic cracking of high and low-density polyethylene medical wastes using fly ash as a catalyst	Premkumar, P. Saravanan, C.G. Nalluri, P. Seeman, M. Vikneswaran, M. Madheswaran, D.K. Femilda Josephin, J.S. Chinnathambi, A. Pugazhendhi, A. Varuvel, E.G.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.04.145	SDG 12
988	Comparison of photocatalytic vs conventional transesterification for biodiesel preparation from fish waste oil using green TiO2/SiO2 catalyst	Brindhadevi, K. Kim, P.T. Chinnathambi, A. Kamarudin, S.K. Pugazhendhi, A.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.05.039	SDG 7
989	Sustainable conversion of carbon dioxide to high-value antioxidant astaxanthin through microbial electrosynthesis-assisted microalgae cultivation	Nguyen, H.T.T. Jadhav, D.A. Eisa, T. Nguyen, H.Y. Le, G.T.H. Le, T.T.Q. Jae, M.-R. Khoo, K.S. Yang, E. Chae, K.-J.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.07.030	SDG 13

990	Bio-refinery of palm kernel expeller waste into attached microalgal biodiesel, the life cycle analysis of waste biomass-to-energy	Rawindran, H. Khoo, K.S. Raksasat, R. Liew, C.S. Leong, W.H. Devendran, M. Ravindran, B. Tong, W.-Y. Sin, J.C. Lam, S.M. Naushad, M. Lim, J.W.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.06.075	SDG 7 SDG 9 SDG 11 SDG 12 SDG 13
991	Sulfonated reduced graphene oxide catalyzed fatty acid methyl ester production from macroalgae Dictyota dichotoma in supercritical conditions	Brindhadevi, K. Kim, P.T. Chinnathambi, A. Kamarudin, S.K. Pugazhendhi, A.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.04.069	SDG 7
992	Dual role of 'Al' impregnated porous MCM-41/ZSM5 composites for the production of biohydrogen and green liquid hydrocarbons	Pugazhendhi, A. Kamarudin, S.K. Ali Alharbi, S. Brindhadevi, K.	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.05.082	SDG 7
993	An insight into the photocatalytic degradation of the antibiotic rifampicin by titanium dioxide nanoparticles in aqueous solution under UV light irradiation	Suhaimi, N.A.A. Umar, M.K.H. Lau, H.L.H. Rostan, N.N. Lim, J.-W. Hobbey, J. Nur, M. Usman, A.	2024	Reaction Kinetics, Mechanisms and Catalysis	10.1007/s11144-023-02564-z	SDG 6
994	Genes linked to obesity-related infertility: bridging the knowledge gap	Chandra Sekar, P.K. Veerabathiran, R.	2024	Reproductive and Developmental Medicine	10.1097/RD9.000000000000096	SDG 3
995	Genetic susceptibility to Helicobacter pylori and the progression of gastrointestinal cancer	Akshayaa, P. Iyshwarya, B.K. Veerabathiran, R.	2024	Research Journal of Biotechnology	10.25303/1902rjbt950104	SDG 3
996	Comparing the binding energies and inhibition constant of Sunitinib malate-metal complex on Tyrosine kinase receptor by Computational Molecular Docking	Brito Raj, S. Lakshmi, K. Meenakshi, R. Bhaskar Reddy, K. Karthikeyan, R. Vijayakumar, B.	2024	Research Journal of Pharmacy and Technology	10.52711/0974-360X.2024.00696	SDG 3
997	Plant-mediated synthesis and interaction of ZnO against breast and prostate cancer: Review	Rodríguez-Barajas, N. Ponce-Regalado, M.D. Segura-Almendárez, M.S. Rodríguez-Razon, C.M. Ghotekar, S. Fellah, M. Pérez-Larios, A.	2024	Results in Chemistry	10.1016/j.rechem.2024.101654	SDG 3
998	Improved photocatalytic efficiency of rare earth metal-incorporated magnesium oxide nano-hexagonal sheets for the degradation of Ciprofloxacin and Methylene Blue dye under visible light irradiation	Srinivasan, A. Kavitha, H.P. Muniyandi, G.R. Vennila, J.P. Arulmurugan, S. Lohita, D. Prakash, M.	2024	Results in Chemistry	10.1016/j.rechem.2024.101381	SDG 12
999	Toxicity minimization of carrageenan via isolaquiritigenin grafting: A zebrafish model study	Jayanthi, P.A. Palaniselvam, S. Jayachandran, J. Senthil, A. Valliappan, V. Ramachandran, S.	2024	Results in Chemistry	10.1016/j.rechem.2024.101728	SDG 3
1000	Association between hypothyroidism and metabolic syndrome in a tertiary care hospital	Aravindan, J. Lakshmanan, K.	2024	Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	10.46389/rjd-2024-1660	SDG 3
1001	Correlation between urinary microalbumin and glycated hemoglobin in type 2 diabetes	Pandian, J.J.M. Ganesan, A.	2024	Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	10.46389/rjd-2024-1352	SDG 3
1002	Correlation between serum magnesium and troponin I in acute myocardial infarction	Damodharan, G. Ganesan, A.	2024	Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	10.46389/rjd-2024-1351	SDG 3
1003	Comparison of thymus size in normal versus malnourished children	Muthu, R. Vasudevan, J. Joseph, J.S.	2024	Romanian Journal of Pediatrics	10.37897/RJP.2024.4.3	SDG 2
1004	Amelioration of gold nanoparticles mediated through Ocimum oil extracts induces reactive oxygen species and mitochondrial instability against MCF-7 breast carcinoma	Mohanta, Y.K. Biswas, K. Mishra, A.K. Patra, B. Mishra, B. Panda, J. Avula, S.K. Varma, R.S. Panda, B.P. Nayak, D.	2024	RSC Advances	10.1039/d4ra04807e	SDG 3
1005	A Decade of Advancement in Nanomaterials-Based Electrochemical Sensors: A Comprehensive Review	Anudevi, S.D. Ebenezar, K.K. Hikku, G.S. Narayan, S.	2024	Russian Journal of Electrochemistry	10.1134/S1023193524600962	SDG 3
1006	Recent Developments in Luteolin-Loaded Nanoformulations for Enhanced Anti-Carcinogenic Activities: Insights from In Vitro and In Vivo Studies	Mod Razif, M.R.F. Chan, S.Y. Chew, Y.-L. Hassan, M. Ahmad Hisham, S. Abdul Rahman, S. Mai, C.-W. Teo, M.Y.M. Kee, P.E. Khoo, K.S. Lee, S.-K. Liew, K.B.	2024	Sci	10.3390/sci6040068	SDG 3
1007	Mitigating soil nitrification and greenhouse gas emissions in non-paddy cropping systems by micro-molar hydrogen peroxide	Fan, K. Piyathilake, U. Wang, Y. Lim, J.W. Lin, C. Qin, J. Qiu, R.	2024	Science of the Total Environment	10.1016/j.scitotenv.2024.176102	SDG 13

1008	Photocatalytic degradation of antibiotics and antimicrobial and anticancer activities of two-dimensional ZnO nanosheets	Bhuin, A. Udayakumar, S. Gopalarethinam, J. Mukherjee, D. Girigoswami, K. Ponraj, C. Sarkar, S.	2024	Scientific Reports	10.1038/s41598-024-59842-6	SDG 3
1009	Scrutinizing transport phenomena and recombination mechanisms in thin film Sb2S3 solar cells	Younsi, Z. Meddour, F. Bencherif, H. Hossain, M.K. Marasamy, L. Sasikumar, P. Revathy, M.S. Ghotekar, S. Karim, M.R. Ayyar, M. Haldhar, R. Rubel, M.H.K.	2024	Scientific Reports	10.1038/s41598-024-56041-1	SDG 7
1010	Behavior analysis of old age people underlying chronic kidney diseases	Yogapriya, G. Nareshkumar, R. Cherukuvada, K.S. Raghu, K.N. Narayanan, M. Ramya, A.	2024	Social Determinants Trends in Cognitive Analysis of Healthcare Analytics Using Artificial Intelligence	-	SDG 3
1011	Analysis of violence on women during an epidemic	Yogapriya, G. Vaidyanathan, X. Priyanka, K. Koomal, N.	2024	Social Determinants Trends in Cognitive Analysis of Healthcare Analytics Using Artificial Intelligence	-	SDG 5 SDG 16
1012	Green technology for soft nanoferrites	Kaia, R. Mudgil, N. Radhakrishnan, A.	2024	Soft Nanoferrites for Biomedical and Environmental Applications	10.1201/9781003517139-21	SDG 7
1013	Soft nanoferrites for environment applications	Jain, M. Verma, R. Chauhan, A. Wang, H.-M.D. Thakur, P. Thakur, A.	2024	Soft Nanoferrites for Biomedical and Environmental Applications	10.1201/9781003517139-14	SDG 6 SDG 7
1014	Exploring bamboo based bio-photovoltaic devices: Pioneering sustainable solar innovations- A comprehensive review	Acharya, B. Behera, A. Chowdhury, B. Moharana, S. Sagadevan, S. Behera, S.	2024	Solar Energy	10.1016/j.solener.2024.113039	SDG 7
1015	Utilizing banana peduncle as an affordable bio-adsorbent for efficient removal of lead ions from water and industrial effluents	Muthusamy, P. Murugan, S. Mandal, S.K. Mishra, B. Mohanta, Y.K. Sarma, H. Narayan, M.	2024	Sustainable Chemistry for the Environment	10.1016/j.scenv.2024.100150	SDG 6 SDG 9 SDG 12
1016	A Comparative Study on Rapid, Simple and Cost-Effective Method in Determining the Decalcification Agent in Bone Tissue Processing in Hematoxylin and Eosin Staining Procedure	Preethi, M. Ajitha, R. Roshan, A. Niranjana, N.	2024	Texila International Journal of Public Health	10.21522/TIJPH.2013.12.03.Art041	SDG 7
1017	Injury Patterns and Contributing Factors in Two-Wheeler Road Traffic Accidents: A Cross-Sectional Analysis from a Tertiary Care Hospital in Chengalpattu District, Tamil Nadu	Thanikachalam, V. Vedapriya, D.R. Surya, B.N. Vigneshsamy, M. Sridharan, V. Manoj, P.	2024	Texila International Journal of Public Health	10.21522/TIJPH.2013.12.03.Art055	SDG 3
1018	Association between Standard of Living and Sickness Absenteeism among Hypertensive Patients in South Chennai: A Cross-Sectional Study	Sridharan, V. Syed, R. Maruthappapandian, J. Surya, B.N. Divya, I. Muthuchamy, V.	2024	Texila International Journal of Public Health	10.21522/TIJPH.2013.12.03.Art050	SDG 3
1019	Prevalence and Determinants of Gestational Diabetes Mellitus: A Cross-Sectional Study in a Suburban Population	Radhakrishnan, A. Sharma, N. Surya, B.N.	2024	Texila International Journal of Public Health	10.21522/TIJPH.2013.SE.24.05.Art006	SDG 3
1020	Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	Naghavi, M. et al.	2024	The Lancet	10.1016/S0140-6736(24)00367-2	SDG 3
1021	Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	Brauer, M. et al.	2024	The Lancet	10.1016/S0140-6736(24)00933-4	SDG 2 SDG 3 SDG 6
1022	Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	Schumacher, A.E. et al.	2024	The Lancet	10.1016/S0140-6736(24)00476-8	SDG 3 SDG 11
1023	Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	Bhattacharjee, N.V. Schumacher, A.E. Aali, A. Abate, Y.H. Abbasgholizadeh, R. Abbasian, M. Abbasi-Kangevari, M. Abbastabar, H. ElHafeez, S.A. Abd-Elisalam, S. Abdollahi, M. Abdollahifar, M. A. Abdoun, M. Abdullahi, A. Abebe, M. Abebe	2024	The Lancet	10.1016/S0140-6736(24)00550-6	SDG 3 SDG 4 SDG 5 SDG 8 SDG 10
1024	The burden of diseases, injuries, and risk factors by state in the USA, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	Mokdad, A.H. et al.	2024	The Lancet	10.1016/S0140-6736(24)01446-6	SDG 3 SDG 10
1025	Burden of disease scenarios by state in the USA, 2022–50: a forecasting analysis for the Global Burden of Disease Study 2021	Mokdad, A.H. et al.	2024	The Lancet	10.1016/S0140-6736(24)02246-3	SDG 3 SDG 10

1026	Global, regional, and national incidence and mortality burden of non-COVID-19 lower respiratory infections and aetiologies, 1990–2021: a systematic analysis from the Global Burden of Disease Study 2021	Bender, R.G. et al.	2024	The Lancet Infectious Diseases	10.1016/S1473-3099(24)00176-2	SDG 1 SDG 3 SDG 10
1027	Global, regional, and national age-specific progress towards the 2020 milestones of the WHO End TB Strategy: a systematic analysis for the Global Burden of Disease Study 2021	Ledesma, J.R. et al.	2024	The Lancet Infectious Diseases	10.1016/S1473-3099(24)00007-0	SDG 3
1028	Global, regional, and national burden of disorders affecting the nervous system, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	Steinmetz, J.D. et al.	2024	The Lancet Neurology	10.1016/S1474-4422(24)00038-3	SDG 3
1029	Global, regional, and national burden of stroke and its risk factors, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021	Feigin, V.L. et al.	2024	The Lancet Neurology	10.1016/S1474-4422(24)00369-7	SDG 3
1030	Genetic variants influencing the emergence and progression of lung cancer: a comprehensive review	Muruganatham, J.K. Veerabathiran, R.	2024	Therapeutic Radiology and Oncology	10.21037/tro-23-36	SDG 3
1031	Waste Water Treatment Using Piezoelectric Materials: A Review on Piezo-photocatalysis	Singh, K. Verma, R. Chauhan, A. Jasrotia, R. Saini, S. Thakur, P. Kumar, V. Thakur, P. Thakur, A.	2024	Topics in Catalysis	10.1007/s11244-024-01966-0	SDG 6
1032	Bio-inspired Sustainable Fabrication of CdO Nanoparticles Using Citrus sinensis Peel Extract for Photocatalytic Degradation of Rhodamine B Dye	Pagar, K. Gadore, V. Mishra, S.R. Ahmaruzzaman, M. Basnet, P. Sanap, D. Vu, M.C. Lin, K.-Y.A. Ravindran, B. Ghotekar, S.	2024	Topics in Catalysis	10.1007/s11244-024-01983-z	SDG 15
1033	Enhanced Aerobic Naphthalene Degradation Utilizing Indigenous Microbial Flora as a Biocatalyst in Oil-Contaminated Wastewater	Vijayaraghavan, P. Veeramanikandan, V. Pradeep, B.V. Pothiraj, C. Alarjani, K.M. Al Farraj, D.A. Nguyen, V.-H. Balaji, P.	2024	Topics in Catalysis	10.1007/s11244-024-01953-5	SDG 6 SDG 15
1034	Biocatalytic Conversion of Lignocellulosic Water Hyacinth Biomass by Phanerochaete chrysosporium for Sustainable Ethanol Production	Gobinath, R.M. Pothiraj, C. Arumugam, R. Periyakarupiah, P. Ali, D. Alarif, S. Veeramanikandan, V. Pradeep, B.V. Nguyen, V.-H. Balaji, P.	2024	Topics in Catalysis	10.1007/s11244-024-01952-6	SDG 7
1035	Acute kidney injury in the tropics	Xavier, A.M. Kumar, A.G.S.	2024	Tropical Doctor	10.1177/00494755231222956	SDG 3
1036	Exploring Biopolymer for Food and Pharmaceuticals Application in the Circular Bioeconomy: An Agro-Food Waste-to-Wealth Approach	Panda, J. Mishra, A.K. Mohanta, Y.K. Patowary, K. Rauta, P.R. Mishra, B.	2024	Waste and Biomass Valorization	10.1007/s12649-024-02452-0	SDG 9 SDG 12
1037	Biosynthesis of Silver Nanoparticles From Marinobacter litoralis CARE V18 Strain and Evaluation of Its Antibacterial, Antioxidant and Cytotoxicity Properties Using Zebrafish Model	Sakthivel, V. Narasimman, V. Ravi, K. Prasad, K. Dhanya, G. Ramachandran, S.	2024	Waste and Biomass Valorization	10.1007/s12649-024-02577-2	SDG 3
1038	Interactions Between Microplastic and Heavy Metals in the Aquatic Environment: Implications for Toxicity and Mitigation Strategies	Narwal, N. Kakakhel, M.A. Katyal, D. Yadav, S. Rose, P.K. Rene, E.R. Rakib, M.R.J. Khoo, K.S. Kataria, N.	2024	Water, Air, and Soil Pollution	10.1007/s11270-024-07343-7	SDG 14
1039	Detection of C6H6, CO2, and H2S gases on arsenic (As) and cobalt (Co) doped quantum dots (QDs) nanostructured materials	Inah, B.E. Okon, E.E.D. Andrew, B.H. Eba, M.-B.A. Edet, H.O. Unimuke, T.O. Gber, T.E. Agwamba, E.C. Benjamin, I. Adeyinka, A.S. Louis, H.	2024	Zeitschrift fur Physikalische Chemie	10.1515/zpch-2023-0451	SDG 3 SDG 13
1040	Polar solvation molecular dynamics, quantum reactivity (ELF, HOMO-LUMO, NBO) studies, spectroscopy (FT-IR, UV), and the antibiotic potential of carbazide derivative via in-silico molecular docking	Mujafarkani, N. Adindu, E.A. Godfrey, O.C. Agurokpon, D.C. Alawa, J.A. Odey, M.O. Gber, T.E. Owen, A.E. Jafar Ahamed, A.G. Benjamin, I. Louis, H.	2024	Zeitschrift fur Physikalische Chemie	10.1515/zpch-2023-0386	SDG 3
1041	Molecular structure, spectroscopy, molecular docking, and molecular dynamic studies of tetrahydroneoprezaquinone as potent cervical cancer agent	Owen, A.E. Agwamba, E.C. Gideon, M.E. Chukwuemeka, K. Ejiofor, E.U. Benjamin, I. Ahukwe, E.F. Ogungbemiro, F.O. Maxwell, K.T. Manicum, A.L.E. Louis, H.	2024	Zeitschrift fur Physikalische Chemie	10.1515/zpch-2023-0330	SDG 3









**Chettinad
Academy**

of Research and Education
(Deemed to be University)

SOLAR ENERGY PRODUCTION



Roof Top Solar Power Plant



Roof Top Solar Power Plant

SENSOR BASED ENERGY CONSERVATION



Automatic Sensor Sliding Door



Automatic Sensor Sliding Door



Hospital Escalator



Escalator in College Block

USE OF POWER EFFICIENT EQUIPMENTS



LED Lights in Lecture Hall



LED Lights in Lecture Hall

USE OF POWER EFFICIENT EQUIPMENTS

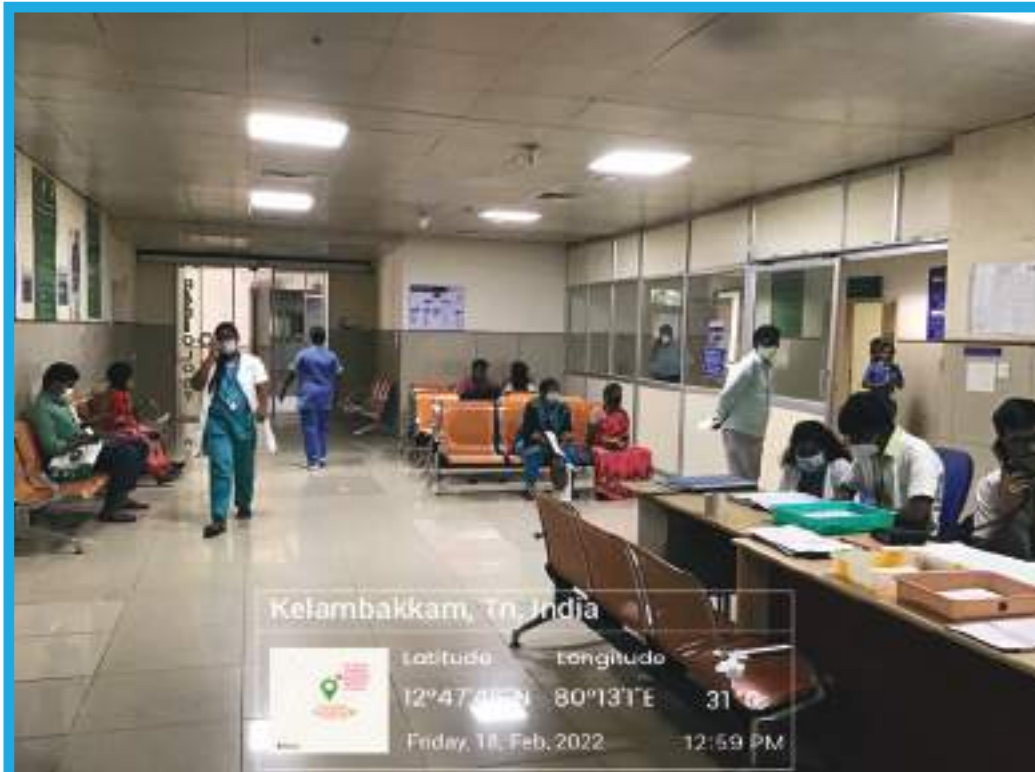


LED Lights in Classroom



LED Lights in Demo Halls

USE OF POWER EFFICIENT EQUIPMENTS



LED Lights in Patient Waiting Area



LED Lights in Hospital Corridors

USE OF POWER EFFICIENT EQUIPMENTS



LED Lights in Hospital Corrdior



LED Lights in the Clinical Lab

USE OF POWER EFFICIENT EQUIPMENTS



Hexagonal LED Flood Lights



LED Street Lights



LED Street Lights at Night

BIOGAS PLANT



Biogas Plant

WINDMILL



ENERGY INDEPENDENCE THRO' NON-CONVENTIONAL SOURCES

Details of Windmills at Sidewalk - D No. 223 KW			Details of Windmills at Pookkud 8 Nos. 230 KW			Details of Windmills at Thrissur#1 No. 100 KW		
Sl. No.	Location	HTSC No.	Sl. No.	Lea No.	HTSC No.	Sl. No.	Lea No.	HTSC No.
1	SDC 1	03	1	COFPL-01	804	1	RNGCET 01	807
2	SDC 2		2	COFPL-02				
3	SDC 3		3	COFPL-03				
4	SDC 4		4	COFPL-04				
5	SDC 5		5	COFPL-05	235			
6	SDC 6		6	COFPL-06				
7	SDC 7		7	COFPL-07	236			
8	SDC 8		8	COFPL-08				
9	SDC 9		05					

We already have the technology we need to cure our addiction to oil, stabilize the climate and maintain our standard of living, all at the same time. By transitioning to sustainable technologies, such as solar and wind power, we can achieve energy independence and stabilize human-induced climate change. Non-conventional sources are available at low cost, are pollution-free and inexhaustible. Wind as a source of energy is plentiful, inexhaustible and pollution free. Wind power is a low-carbon energy source—when a wind turbine generates electricity it produces zero carbon emissions. The development of clean wind energy avoids significant carbon dioxide (CO₂) pollution. Wind power has some of the lowest environmental impacts of any source of electricity generation. Unlike conventional sources, wind power significantly reduces carbon emissions, saves billions of gallons of water a year, and cuts pollution that creates smog and triggers asthma attacks. Wind farms also leave the overwhelming majority of land they're built on undisturbed.

Our Hospital is keen in adapting herself to Renewable Energy Utilization. As of now we have a 5.115 MW of Wind Energy Generators set up exclusively for our Hospital's use. Nearly 40% of our Annual Energy Consumption comes through Wind Energy.



**Chettinad
Academy**

of Research and Education
(Deemed to be University)

BIOMEDICAL WASTE MANAGEMENT



Collection Bins in Medical Ward



Collection bins in ICU

BIOMEDICAL WASTE MANAGEMENT



Collection Bins in Surgical Ward



Collection Bins in Diagnostic Lab



Collection Bins in Outpatient Department



Collection Bins in Laboratory

BIOMEDICAL WASTE MANAGEMENT



Collection Bins in Sample Collection Lab



Transport of Biomedical Waste



Transport of Biomedical Waste



BIOMEDICAL WASTE MANAGEMENT



Weighing the Biomedical Waste



Transport to Outsourcing Agency



Loading the Biomedical Waste to Outsourcing Agency Vehicle

HAZARDOUS CHEMICALS WASTE MANAGEMENT



Collection at Lab



Collection at Lab

HAZARDOUS CHEMICALS WASTE MANAGEMENT



LIQUID WASTE MANAGEMENT



Sewage Treatment Plant



Inlet Pipes



Collection Tank



Aeration Tanks



Clarifier Tank



Filtration



UV Treatment Chamber



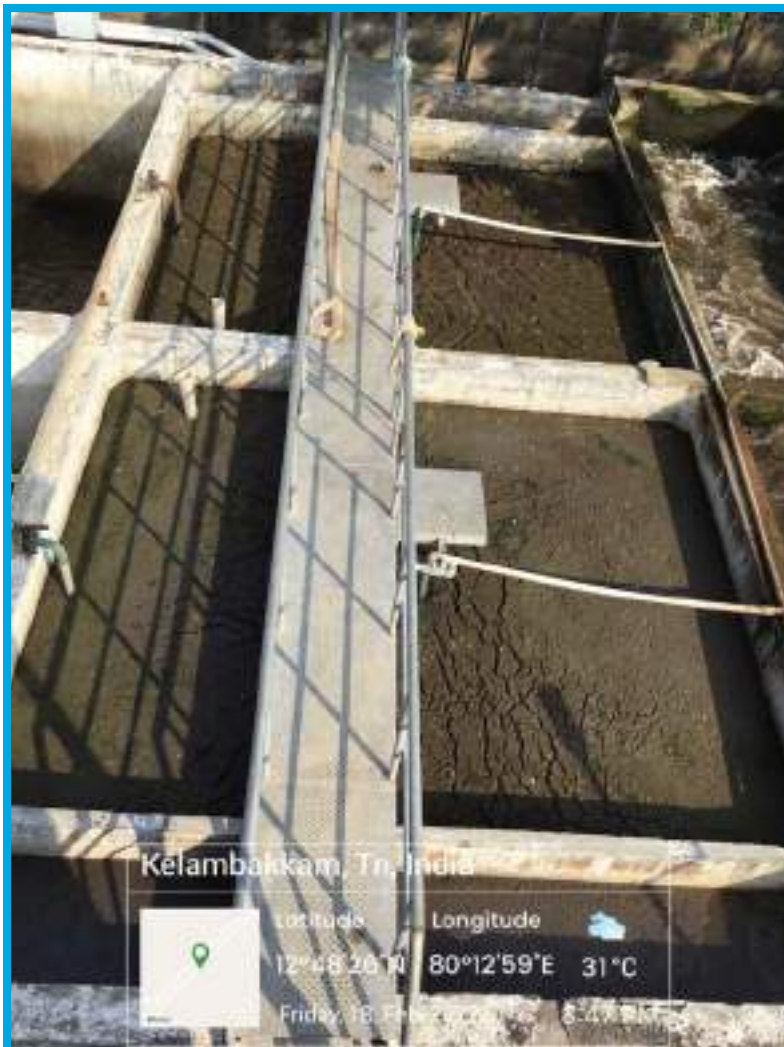
Treated Water Storage Tank



Water Softner Plant



Soft Water Storage Tank



Sludge Drying Beds

SOLID WASTE MANAGEMENT



Waste Collection



Transport to the Composting Site



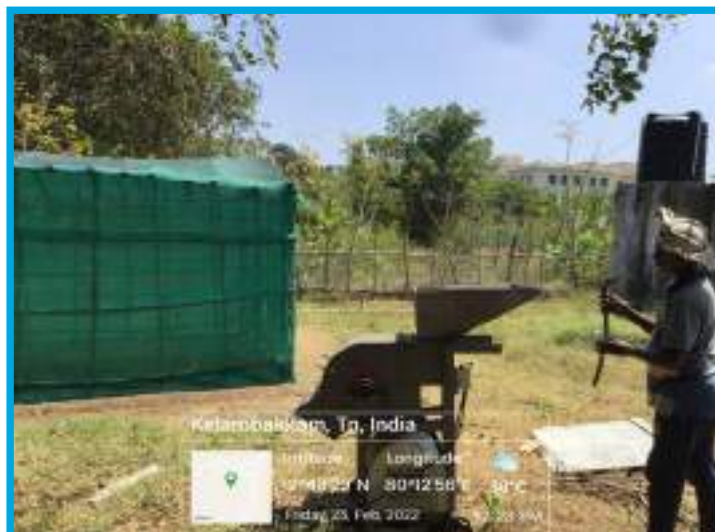
Compost Yard



Segregation of Waste



Compost Yard



Wood Chipping Machine

WASTE RECYCLE SYSTEM



Needle Destroyer



Waste Segregation



Waste Collection

WASTE RECYCLE SYSTEM



Waste Transport



Compost Yard for Biodegradable Waste



Sewage Treatment Plant

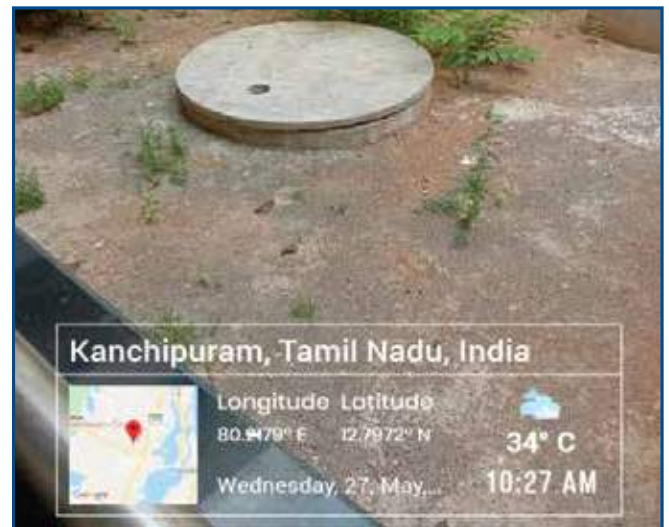


Paper Storage Room



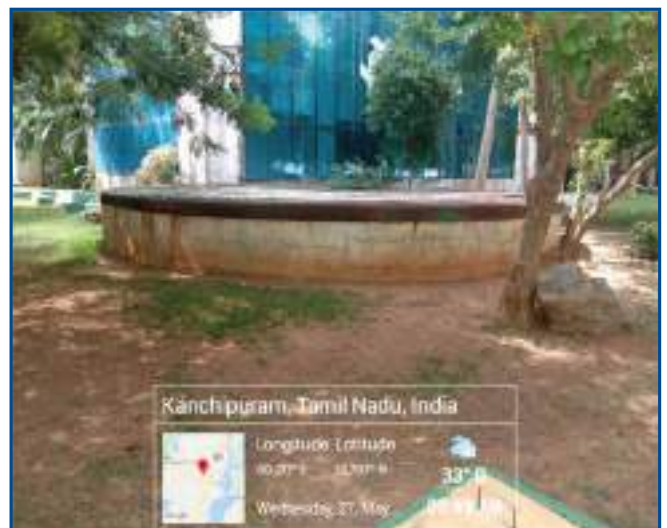
Paper Storage Room Inner View

7.1.4.1. Rain water harvesting





7.1.4.2. Bore well /Open well recharge





7.1.4.3. Construction of tanks and bunds





7.1.4.4. Waste water recycling





7.1.4.5. Maintenance of water bodies and distribution system in the campus





**Chettinad
Academy**
of Research and Education
(Deemed to be University)

RESTRICTED ENTRY OF AUTOMOBILES



Bollard



C Gate



Turnstile Gate

POLLUTION FREE TRANSPORT



Battery-Powered Vehicle



Battery Operated Scooter



Bicycles

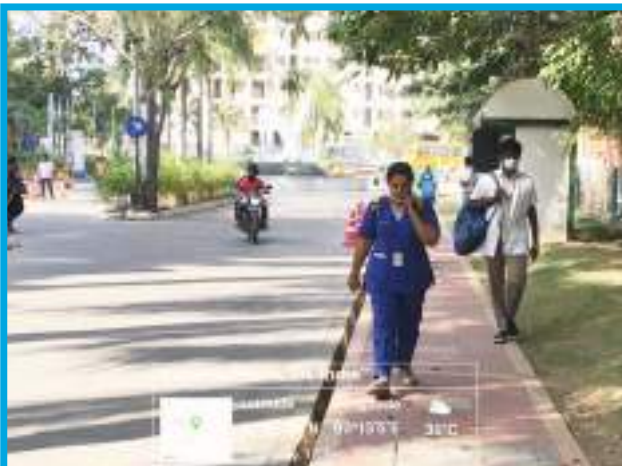
PEDESTRIAN-FRIENDLY PATHWAY



Pedestrian-Friendly Pathway



Pedestrian-Friendly Pathway



Pedestrian-Friendly Pathway



Pedestrian-Friendly Pathway

LANDSCAPING WITH TREES & PLANTS



Landscaping with Trees & Plants



Landscaping with Plants

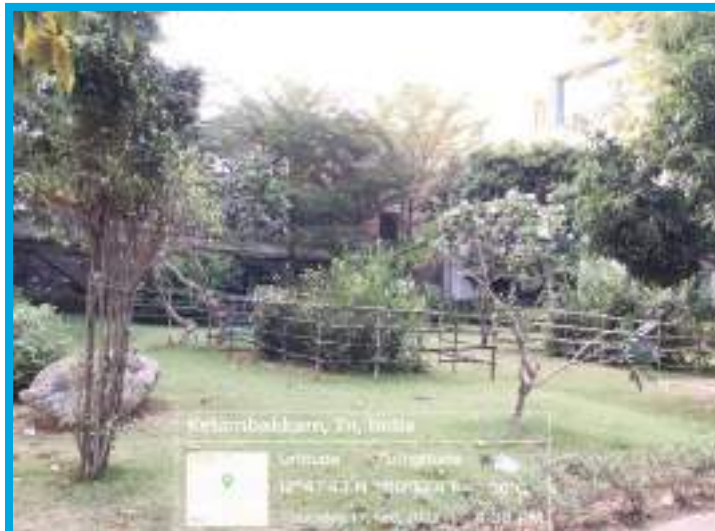


Landscaping with Trees & Plants

LANDSCAPING WITH TREES & PLANTS



Landscaping with Trees & Plants



Landscaping with Trees & Plants



Landscaping with Trees & Plants

LANDSCAPING WITH TREES & PLANTS



Landscaping with Trees & Plants

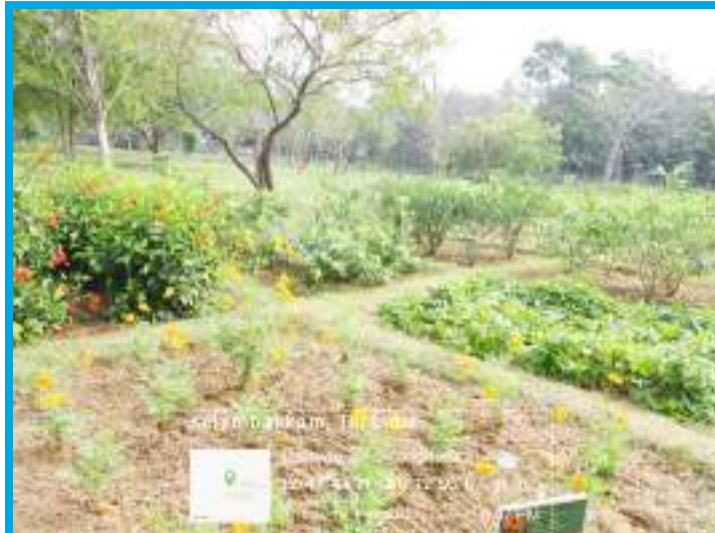


Landscaping with Trees & Plants



Landscaping with Trees & Plants

LANDSCAPING WITH TREES & PLANTS



Herbal Garden



Herbal Garden



Herbal Garden

BAN ON PLASTICS



Green initiative



Green initiative



Confederation of Indian Industry

Indian Green Building Council (IGBC)

hereby certifies that

CHETTINAD ACADEMY OF RESEARCH AND EDUCATION

Deemed to be University under Section 3 of the UGC Act, 1956

(IGBC Registration No. GCE 190035)

*has successfully achieved the Green Building Standards required for
the following level of certification under the*

IGBC Green Campus Rating System

(Existing Campus)

Platinum

5 October 2020

(This certification is valid for 5 years)



Handwritten signature of Jayesh Hariyani in black ink.

Jayesh Hariyani
Chair, IGBC Green Campus

Handwritten signature of V Suresh in black ink.

V Suresh
Chairman, IGBC

Handwritten signature of S Raghupathy in black ink.

S Raghupathy
Deputy Director General, CII

Handwritten signature of K S Venkatagiri in black ink.

K S Venkatagiri
Executive Director, CII-Godrej GBC

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020



How to Interpret this Report

The Indian Green Building Council (IGBC) has launched IGBC Green Campus Rating system to encourage green concepts and techniques. The rating system helps to address national priorities like conserving natural resources, demand side energy & water efficiency, adoption of renewable energy, management of consumer waste and occupant health & comfort. The **Chettinad Academy of Research and Education** project was evaluated according to this system and the Preliminary Rating is as follows:

The report is organised into eight environmental categories as defined by IGBC Green Campus rating system which include - Site Planning and Management, Sustainable Transportation, Water Conservation, Energy Efficiency, Material and Resource Management, Health & Well-being, Green Education and Innovation & Development.

Prerequisites are mandatory and must be achieved. Any clarifications on the prerequisites should be addressed immediately by the team. The credits under each category have been evaluated based on the documentation provided. The technical advice provides objective guidelines highlighting the clarifications required during the Final submission.

The summary of evaluation is classified as under:

Attempted

87

The total number of points applied by the project team.

Awarded

85

The project team has provided the documentation which supports achievement of the mandatory and credit requirements. The documentation of these credits is complete and points are awarded.

Denied

2

The project team has applied for the credit but has misinterpreted the credit intent or cannot substantiate meeting the requirements. The project is not able to demonstrate achievement of the credit.

Preliminary Rating: Platinum

Scores: Certified: 36 - 44 Silver Rating: 45 - 53 Gold Rating: 54 - 66 Platinum Rating: 67-90

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Awarded

Denied

20		0	Site Planning and Management (SPM)	Possible Points - 22
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Y			Green Buildings with in the Campus	SPM Mandatory Requirement 1
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Preliminary Review:

The project team has chosen 'Option 2: Green Features in the Campus Buildings' to demonstrate compliance. A narrative has been submitted which states that the buildings in the campus have Green features such as water efficient plumbing fixtures, energy efficient lighting fixtures and high-performance air-conditioning systems.

- 1. Water efficient plumbing fixtures:** Submitted narrative includes FTE calculations indicating a FTE of 7,481 occupants. The submittal also includes a calculation for the weighted average of the flows for all the water fixtures on site. The weighted average for the WC full flush in dual flush fixtures is 5.82 LPF, single flush of 6 LPF, basin faucets 3.09 LPM, health faucet 4.86 LPM, Urinals 3.32 LPF and showers 6.99 LPM. The submittal includes photographs of the fixtures. The submitted calculations indicate a reduction of 21.25% savings over baseline. However, there are a few clarifications required to ascertain compliance with the mandatory requirement.
- 2. Energy efficient lighting fixtures:** The submittal states that the Project has carried out an energy audit. The Lighting power density has been provided for each building on campus based on the Building Area Method. The cumulative LPD for all the buildings on campus is 0.22 W/sqft, which is 78.09% lower than the ASHRAE-90.1-2010 baseline.

The submittal includes calculations of the fixtures for each space and photographs of some of the spaces. The photographs indicate that LED fixtures have been installed in the mini auditorium, the convention centre, international school, law school etc. and T-5s have installed in the college laboratories. a 78% reduction in LPD is laudable, however additional documents are required to ascertain compliance.

- 3. High performance air-conditioning systems:** submitted narrative indicates that the Project has installed 3 nos 400Tr water cooled centrifugal chillers and 1 no 400 Tr water cooled screw chillers. The COP of the chillers mentioned is about 6.39 (0.55 Kw/tr). The submittal also includes details of the packaged units of about 377 Tr. However, compliance criteria requires that the Project provide a square footage of all the air conditioned buildings on campus and demonstrate that 50% of the buildings are air conditioned with high performance HVAC systems that meet the criteria for ASHRAE-90.1-2010.

Technical Advice:

Please submit/address the following:

- 1. Water efficient plumbing fixtures:**
 - a) It is not clear whether the flow rates used in the water savings calculation was calculated/measured at 3 bar as per the requirements of IGBC Green Campus reference guide. Provide a narrative and additional documentation to confirm the reporting pressure for flow fixtures as required.
 - b) The weighted average for full flush (in dual flush WC) calculations considers a half flush fixture flow rate of 3 LPF of CERA, hence the weighted average is erroneous.
 - c) For the 1500 occupants who use a single flush WC in the as designed case- please consider three uses and not four.
 - d) The narrative states that the flow rate of showerhead is 6 LPM, 7 LPM and 9 LPM.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Please clarify if the 6LPM shower uses a regulator. It is not clear how the project team has considered 2990 (FTE) for male and female in the water calculations. Kindly clarify.

2. Energy efficient lighting systems:

Please provide a copy of the energy audit report and also please provide lighting design drawings.

3. High-Performance air-conditioning systems:

- a) Calculations indicating the areas of the air-conditioned buildings including the HVAC system installed, to demonstrate that more than 50% of the area of the air-conditioned buildings has ASHRAE-90.1-2010 compliant HVAC systems.
- b) Technical data sheet of the packaged system.

Final Review:

The Project Team has provided the following clarifications:

1) Water Efficient Plumbing fixtures:

- a) The clarification submittal states that the flow rates considered are based on actual measurements.
- b) The error in the weighted average for flushing has been corrected so that it reads as 5.94 LPF. Updated calculations have been provided, which indicate a saving of about 21.12% over baseline use.
- c) The Project Team justifies 4 uses of WC (single flush) for 1500 occupants based on 1 Nos. full flush male, 1 Nos. full flush female and 2 no's half flush. This may not impact in demonstrating compliance, as the number of uses have been similarly considered for both the baseline as well as the proposed case, and the flow rate in the baseline case is lower.
- d) The Project Team clarifies that flow rate of the shower is adjusted with a flow regulator or aerator. The claim is substantiated with photographs and a copy of the manufacturer's brochure.

2) Energy Efficient Lighting Systems:

An energy audit report has been provided, which indicates that the Project proposed to replace 11W and 13 W CFL with 7 W LED, 18W and 26 W CFL with 9 W LED, 36W PL with 18 W LED, and 250W sodium vapour lamps with 125W LED. The report indicates that the Project would also result in annual savings of 674 MWh.

3) High Performance HVAC systems:

The submittal includes area charts which indicate that more than 92.7% of the total air conditioned areas meet the compliance criteria for ASHRAE-90.1-2010.

Y		
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Soil Erosion Control

SPM Mandatory Requirement 2

Preliminary Review:

The project team has submitted a narrative which states that campus will follow all ESC measures for any future developments. The submitted ESC plan indicates that all new construction shall be scheduled during the dry season, barricades will be made all around, all the site water runoff shall be collected and directed to a sediment pit, top soil will be preserved etc. The ESC plan also includes post development plan.

The ESC plan has been submitted on the letterhead of the Owners and signed by the head of the Infrastructure department. The submitted document indicates that the Project is likely to implement ESC plan.

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Note:

The Purpose of the ESC plan is to ensure that landscapes are protected during construction. The Project Team should consider adding clauses related to protecting trees and vegetation which are being retained during construction,

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Green Buildings within the Campus

SPM Credit 1

Preliminary Review:

The project team has chosen Option 2: Green Features in the Campus Buildings to demonstrate compliance. A narrative has been submitted which states that the buildings in the campus have Green features such as water efficient plumbing fixtures, eco-friendly refrigerant, energy efficient lighting fixtures and on-site renewable energy.

- 1. Water efficient fixtures (3 points):** Please refer to the comments under SPM MR1. Few more details are required to demonstrate credit compliance.
- 2. Wastewater reuse (2 points):** The submittal states that the Project has 2 Nos 600 KLD STP installed on site to treat the wastewater. The water balance chart indicates that 914KLD water is treated in the STP and 67 KLD treated water is used for CT make water and 866 KLD treated water is used to meet the landscape irrigation requirements. However there seems to be an error in the calculations as the treated water availability is greater than the water being treated. Additional details are required to ascertain credit compliance.
- 3. Energy efficient lighting systems (3 points):** Please refer to the comments under SPM MR1. Few more details are required to demonstrate credit compliance.
- 4. High performance air-conditioning systems (attempting 1 of 3 points):** Please refer to the comments under SPM MR1. Few more details are required to demonstrate credit compliance.
- 5. On-site Renewable energy (3 points):** Submitted narrative states that project is in the process of installing 1001 KW on-site solar plant capacity, which will generate 15,31,146 KWH of electricity which shall meet more than 27% of the total lighting load. Submittals include a copy of the WO for the feasibility study and PV system design summary. However additional documents are required to ascertain credit compliance.

Please note that the Project has a maximum of 10 points for which projects may apply.

Technical Advice:

Please submit/address the following:

1. Water efficient plumbing fixtures:

- It is not clear whether the flow rates used in the water savings calculation was calculated/measured at 3 bar as per the requirements of IGBC Green Campus reference guide. Provide a narrative and additional documentation to confirm the reporting pressure for flow fixtures as required.
- The weighted average for full flush (in dual flush WC) calculations considers a half flush fixture flow rate of 3 LPM of CERA, hence the weighted average is erroneous.
- For the 1500 occupants who use a single flush WC in the as designed case- please consider three uses and not four.
- The narrative states that the flow rate of showerhead is 6 LPM, 7 LPM and 9 LPM. Please clarify if the 6LPM shower uses a regulator.

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2. Wastewater reuse:

- a) As per the water reduction calculations, the wastewater generated is 213.8 KLD and the water reused is 933KLD. Kindly Clarify the discrepancy and submit revised wastewater calculations along with water balance chart.

Provide credit compliance calculations demonstrating that for 50% of the buildings; 25% of the total of flushing water, CT makeup water requirement and irrigation for landscape over built area requirements is met with treated water.

- b) The waste description of the STP including the water characteristics at the inlet and the outlet.
- c) Details of the total flushing water requirements, landscape irrigation requirements(over built surfaces only and the whole campus) and the total CT make water requirements.

3. Energy efficient lighting systems:

Copy of the energy audit report and also please provide lighting design drawings.

4. High-Performance air-conditioning systems:

- a) Calculations indicating the areas of the air-conditioned buildings including the HVAC system installed, to demonstrate that more than 50% of the area of the air-conditioned buildings has ASHRAE-90.1-2010 compliant HVAC systems.
- b) Technical data sheet of the packaged system.

5. On-site Renewable energy:

- a) Copy of solar installation agreement, copy of electricity bills highlighting the consumption, and PO for the solar PV system indicating the capacity.

**Final
Review:**

The Project Team has provided the following clarifications:

1) Water Efficient Plumbing fixtures:

- a) **The clarification submittal states that the flow rates considered are based on actual measurements.**
- b) **The error in the weighted average for flush has been corrected so that it reads as 5.94 LPF. Updated calculations have been provided, which indicate a saving of more than 21.12% over baseline use.**
- c) **The Project Team justifies 4 uses of WC (single flush) for 1500 occupants based on 1 Nos. full flush male, 1 Nos. full flush female and 2 no's half flush. This may not impact in demonstrating compliance, as the number of uses have been similarly considered for both the baseline as well as the proposed case, and the flow rate in the baseline case is lower.**
- d) **The Project Team clarifies that flow rate of the shower is adjusted with a flow regulator or aerator. The claim is substantiated with photographs and a copy of the manufacturer's brochure.**

The submittal demonstrates that the Project meets the criteria for all 3 points by having a reduction of more than 21% over baseline.

2) Waste Water Reuse:

- a) **The submission states that since the campus is a hospital, the water consumption is higher from cleaning, handwash etc, which is logical and acceptable.**
- b) **The STP details such as a description of the system and water characteristics have not been provided.**
- c) **The submittal states that the treated water is used to meet part of the landscape irrigation +cooling tower requirement. However note that the building level**

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water requirement has to be considered under this credit.

3) Energy Efficient Lighting Systems:

An energy audit report has been provided, which indicates that the Project proposed to replace 11W and 13 W CFL with 7 W LED, 18W and 26 W CFL with 9 W LED, 36W PL with 18 W LED, and 250W sodium vapour lamps with 125W LED. The report indicates that the Project would also result in annual savings of 674 MWh. The submittal indicates that that the reduction in LPD exceeds 40% meeting the compliance for all 3 points.

4) High Performance HVAC systems:

The submittal includes area charts which indicate that more than 92.7% of the total air conditioned areas meet the compliance criteria for ASHRAE-90.1-2010. The improvement in efficiency over baseline is 2.7%. The Project meets the compliance criteria for 1 point under the credit.

5) On Site renewable energy:

The submittal includes a PO of 1MW of solar PV. A copy of the electricity bill has not been provided as the installation is in process. 3 points for this criterion have been awarded, but the Project Owners are requested to submit the bills for the record.

The Project has attempted 3 points for Water efficient fixtures, 2 points for waste water reuse, 3 points for energy efficient lighting, 1 point for high performance HVAC system and 3 points for on-site renewable energy, which is 12 points in al. Please note that the Project cannot attempt more than 10 points under the credit.

While typically the first 10 points are considered, the Project has not met 2 points for waste water reuse, however 10 points have been earned for other criteria and these have been awarded, while the water water reuse points which have not been met, have not been shown as denied.

Site Preservation

SPM Credit 2

Not

Applicable

Preliminary Review:

This credit is not applicable for existing campuses.

Green Cover or Vegetation

SPM Credit 3

Preliminary Review:

The submitted narrative states that the project meets compliance through both Case A: Green Cover or Vegetation and Case B: Plantation of Tree Saplings. The submittal states that the Project campus is 99 acres and the project has a green cover of more than 56.38% and the campus has more than 6857 Nos Trees (which is more than 123 trees per acre). The narrative states that the campus has four different types of gardens, a herbal garden, mango orchard, bamboo forest, banana tree forest.

A site plan highlighting the green areas has been provided along with photographs of the site. The submitted calculations indicate that the total vegetated area is 2,25,850.94 sqm which is 56.38% of the 4,00,614.39 sqm of the site area. A tree planting layout has been provided marking the location of the trees along with a list of trees planted. A letter from the Project Owners has been provided to substantiate the claim. The submitted documents indicate that the Project meets the credit compliance criteria for all points under the credit as well as the criteria for exemplary performance.

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Heat Island Reduction, Non-roof

SPM Credit 4

Preliminary Review:

The submitted narrative states that project has opted for Option 1: Non-roof Impervious Areas stating that that the total non-roof hardscape area of the site is 90,504.93 sqm (after deducting the area of the courts and tracks) and the 6,873 Nos tree shade 76.59% of the hardscaped area. Calculations have been provided which indicate that 80% of the driveways, 90% of the walkways, 80% of the pavements and 55% of the parking will be shaded by the foliage of the trees, with the average cover of 76.59%. Photographs of the tree cover have been provided. The SRI values of the hardscaped areas have been provided, which range from 33 to 55 for surfaces such as concrete in driveways to grey brick in pavements. The submittal also includes a document from the Journal of Clean Energy to substantiate the claim for the SRI values. A site plan showing the location of the trees and their foliage. This meets the credit requirement.

2		
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Outdoor Light Pollution Reduction

SPM Credit 5

Preliminary Review:

The submitted narrative states that the project team has chosen Option 1- Prescriptive Approach to demonstrate credit compliance. The submitted calculations indicate that the LPD in the campus is more than 63% lower than the ASHRAE-90.1-2010 baseline for exterior spaces. The narrative also states that exterior lighting fixtures used include Phillips street light BRP 322, however the photometric files have been submitted for a similar fixture with more wattage- BRP-340, as BRP-322 photometric data is not available. Photographs and photometric data of BRP-340 have been provided. However, additional details are required.

Technical Advice:

1. Provide an exterior lighting plan.
2. Kindly confirm, if street lights is the only fixtures installed, as typically in campuses, there are areas lit with bollards (in gardens), façade/landscape lights and flood lights in the sports arena or recreational spaces. Kindly clarify and submit revised calculations, if necessary.

Final Review:

The submittal states that the Project has installed flood lights in the playing besides the street lights and confirms that there are no landscape lights (spikes) or bollards installed in the campus. The revised calculations indicate that the LPD of the outdoor lighting is about 59% lower than the ASHRAE-90.1-2010 allowance. Also, the submitted photometric files indicate that the upward lighting meets the compliance criteria. The claim is substantiated with a site lighting layout.

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Awarded	Denied	9	2	Sustainable Transportation (ST)	Possible Points - 11
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3			Pedestrian Network	ST Credit 1
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Preliminary Review:

The project team has submitted a narrative stating that the entire campus is designed with pedestrian walkways. The submittal states that these walkways are covered by the foliage of the trees. The submitted photographs of the campus indicate that the Campus has walkways under shade. The submittal for SPM credit 4 above includes calculations which indicate that more than 90% of the walkways. The submittal indicates that the Project meets the criteria for 2 points for covered walkways

The submitted narrative which are lit as per NBC-Part-8-Building services, section 1 Lighting and ventilation, Table-4- recommended levels of illuminance. The submittal states that all walkways have an average illuminance of 45 lux which has been measured. The submittal includes technical data sheets of the lighting fixtures. However, additional details are required to ascertain if the Project meets the compliance criteria for one point for adequately lit walkways.

Technical Advice:

Please provide a site plan showing the location of the exterior lighting. Also provide the locations where the lux level readings were taken, along with a table of all the readings.

Final Review:

The submittal includes an external lighting site plan which also shows the points where illumination lux level readings were taken. The lux level readings have been taken at twelve different points in the campus, which vary from a minimum of 36 lux to a maximum of 64 lux. The claim is further substantiated with photographs of the readings being taken. The submittal indicates that the Project meets the credit compliance criteria.

2		2	Bicycle Lane Network	ST Credit 2
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Preliminary Review:

The Project is attempting all four points under the credit through Option1 Bicycle Lane Network and through Option 2: Bicycle Provision.

Option1 :Bicycle Lane Network:

The submittal states that the college and hostel block is served by driveways where vehicles are not allowed and are bicycles only and access to vehicular traffic is controlled, the driveways are shaded and bicycle racks are provided for safely securing the bicycles. The submittal includes a Plan of the campus and photographs showing the access control for vehicular traffic in sections of the campus. One of the photographs also shows electric golf carts along with the bicycles. .

The submittal seems to indicate that the project does not meet the criteria of having dedicated bicycle paths on the entire campus. Hence 2 points cannot be awarded.

Option2: Bicycle provision:

The submittal states that bicycles have been provided for 100% occupants of the

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administration block. The submittal states that servicing facilities for vehicles have been provided on campus. The submittal also claims that illuminance level of more than 32 lux is maintained. Photographs which indicate bicycles being used by students, bicycles which seem to be owned by the campus and a photograph showing a lux meter reading have been provided. However additional information is required to ascertain compliance.

Technical Advice:

Please provide the following:

1. Calculation for the number of regular occupants of the campus and the number of bicycles provided for them.
2. Photographs and site plan highlighting the location of the servicing facility provided in the campus.

Final Review:

The submittal states that the campus has 3,500 permanent occupants and 700 bicycles have been provided for their use on the campus. The claim is substantiated with an undertaking from the Project Owners, a site plan showing the location of the bicycle maintenance shop on the campus and photographs.



Access to Sustainable Transportation

ST Credit 3

Preliminary Review:

The project team is demonstrating credit compliance through Option 1: Public Transport and Option 2: Shuttle Services (conventional & CNG vehicles).

Option 1: Public Transport

The submitted narrative states that the campus has a bus stop located at a distance of 282m from the campus entrance. Photographs of the bus stand, bus route, a location map with pedestrian distance indicated has been provided to substantiate the claim. The submittal indicates that the Project meets the compliance criteria for this option.

Option 2: The submitted narrative states that project has provided a total of 56 numbers vehicles which includes 17 no's buses/vans, 7 no's cars, 6 no's battery operated golf carts and 1 no electric car, 5 nose-bikes etc. Photographs of the vehicles including that of the charging points have been provided. However, additional details are required to ascertain compliance.

Submitted calculation indicates that shuttle capacity (108) is able to cater 325 non-residing campus occupants.

Technical Advice:

Please submit/ address the following:

1. The total number of campus occupants.
2. The total capacity of the electric CNG vehicles and capacity of conventional vehicles.
3. Calculations demonstrating that number of occupants catered to by the vehicles. Please note that compliance requires that either electric vehicles cater to 10% of campus occupants or conventional vehicles cater to 20% of the campus requirements. Kindly clarify and submit revised calculations accordingly.

Final Review:

The submittal indicates that the Project has a mix of electric vehicles and conventional fuel vehicles. The number of seats on electric vehicles is 62, and number of trips considered during the peak hours (8am to 6pm) is 22 trips, which serves 974 occupants. The conventional vehicles have a total of 848 seats, which during the peak

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hours will cater to 1,688 occupants. The submittal states that the total number of occupants of the campus is 3,500 Nos. Data from previous submittals seems to indicate that 3,500 Nos are the permanent occupants and the FTE is 7,480 Numbers. However, 20% of the FTE is 1498 Nos, and the Campus still meets the credit compliance requirements, hence the credit has been awarded.

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Awarded	Denied		
17	<input type="checkbox"/>	<input type="checkbox"/>	Water Conservation (WC) Possible Points - 18
Y	<input type="checkbox"/>	<input type="checkbox"/>	Rainwater Harvesting WC Mandatory Requirement 1

Preliminary Review:

The project team has submitted a narrative and Rainwater Harvesting (RWH) calculations indicating that 100% of runoff from both roof & non-roof areas within the site, will be captured and harvested via pond and tanks located in the campus site. As per the RWH calculations:

- ❖ The campus is located in has an average peak month rainfall of 264 mm. To arrive at one day rainfall, 15% of average peak month rainfall is considered and the one day rainfall for the campus is 0.048 m. However, there is an error in the calculations as the peak rainfall in 2015 is considered as 574mm rainfall in November in the year 2015, whereas the peak monthly rainfall was in October 2015 of 1061.3mm
- ❖ The total runoff (one day rainfall * total imperious area) available from the campus is 4665.19 Cu.m/ day.
- ❖ The pond located on site has a capacity of 8507.24 Cu.m (2430 sqm x 3.5 m depth) and two tanks have a capacity of 62.16 Cu.m Hence the project has a harvesting capacity of more than 200% of 15% of the peak average monthly rainfall

Submittals include total runoff & RWH calculations, IMD rainfall data and photographs of the pond and tanks, and a site plan highlighting the location of the same.

Technical Advice:

Please provide the following:

1. The project team has submitted incorrect peak rainfall for 2015. Kindly submit revised calculations.
2. Cross- section drawings of the storage tanks and Lily pond.
3. Storm water layout of the campus highlighting the diversion of roof and non-roof runoff in the ponds.
4. Multiple photographs of the storm water lines in the campus
5. The project team has states that roof runoff is diverted to the RWH pits. However, no details are provided. Submit calculations indicating the capacity of pits.

Final Review:

The submittal includes the following clarifications:

- 1) The peak rainfall has been revised. The average peak monthly rainfall as per revised calculations is 0.42m.
- 2) Cross sections of the lily pond and storage tanks have been provided which indicate a depth of 3.5 m for both.
- 3) Dimensions of the storage tanks and lily pond have been provided, which indicate that all the tanks have a depth of 3.5m and a total combined volume of 9,622.2 Cu.m., which is more than 4665.19 Cu. m. runoff. A depth of 3.5 m for the lily pond seems to be unusual. However, the documentation indicates that the Project meets the compliance criteria for the Mandatory requirement all credits under WC 1

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Rain Water Harvesting

WC Credit 1

Preliminary Review:

Please refer to the review comments under WC MR 1: Rainwater Harvesting.

Final Review:

Please see the review comments under WC MR1: Rainwater Harvesting.

4		
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Landscape Design

WC Credit 2

Preliminary Review:

The project team has submitted a narrative stating that total landscape area on campus is 2,25,850.94 sq.m; of which, 34,650.79 sqm (15.34%) is covered by turf and 1,91,200.15 (84.66%) is covered with adapted/ native species.

Submittal includes landscape plan along with list of plant species planted within the campus, photographs of landscape areas, tree saplings, native & draught tolerant species and turf area. This meets the credit requirement.

1		
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Management of Irrigation Systems

WC Credit 3

Preliminary Review:

The submittal indicates that the Campus has a central shut-off valve installed, the turf and each other species are bedded based on their irrigation demand and 100% of the turf areas have a sprinkler based irrigation system installed. The submittal includes photographs of the central shut off valve for irrigation sprinklers at the WTP, a few photographs of the sprinklers etc. and a landscape plantation plan. However additional information is required to ascertain credit compliance.

Technical Advice:

The submittal for WC Credit 4 below seems to indicate that the irrigation demand is met with STP treated water, whereas the submittal for WC credit 3 indicates that the central shut valve is provided at the WTP. Please clarify if the irrigation water is supplied from the WTP or the STP. Also provide an irrigation layout plan of the campus.

Final Review:

The submittal clarifies that the central shut off valve is installed for the STP water. This meets the credit compliance criteria.

4		
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Waste Water Treatment and Reuse

WC Credit 4

Preliminary Review:

The submitted narrative states that project has installed a WTP to treat bore water and also has installed 2 no's STP of 600 KLD each. Water consumption data has been provided for the last three years. The provided data seems to indicate that the peak water consumption is about 1190 KLD (based on average daily consumption of May 2019). A water balance has been provided which indicates that average 933 KLD water is treated at the STP and reused for meeting the landscape irrigation (866KLD) and CT makeup water requirements (67KLD). Photographs of the STP and WTP have been provided.

However, additional details are required.

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Technical Advice:

Please provide the following:

1. A narrative describing the STP, including the system and the water characteristics at the inlet and outlet.
2. As per the water reduction calculations, the waste water generated is 213.8 KLD and the water reused is 933 KLD. Kindly clarify the discrepancy and submit revised waste water calculations along with revised daily and annual water balance chart.

Provide credit compliance calculations demonstrating 25% of water for CT makeup water requirement and irrigation for landscape is met with treated water.

3. Technical data sheets of the Cooling towers, or please provide the metered readings indicating the cooling tower makeup water consumption.
4. The earlier submittals indicate that the Project has approximately 2,25,850.94 sq.m; of landscape area. Typical watering requirements are considered to be about 5 litres/sqm/day, which would be 1129 KLD. However, the irrigation demand shown in the water balance is about is 866 KLD. Please provide irrigation water meter readings.

Final Review:

The submittal indicates that the discrepancy between the 213.8 KLD waste water generated and the 933 KLD water reused is due to the high volume of water reused for cleaning and washing purposes, as the project is a healthcare & education campus. However, the Project has not provided a description of the STP system, including details of the water characteristics at the inlet and outlet. However, 2 points are awarded for treatment.

Wastewater reuse: The 2 points under the credit are for meeting at least 25% of the combined irrigation demand, CT makeup water requirement and flushing demand with treated water. Though the total water demand for these uses has not been calculated, submittals for other credits seem to indicate that the total CT make up demand 90 KLD + 866 KLD for irrigation, hence the combined demand for the aforementioned uses would be 956 KLD. Since 933 KL treated water is available, the Project meets the compliance criteria for 2 points.

Please note that Project Teams are expected to provide the calculations to demonstrate compliance.

Optimise Water Use for Construction

WC Credit 5

**Not
Applicable**

Preliminary Review:

This credit is not applicable for existing campuses.

Water Metering

WC Credit 6

Preliminary Review:

The project team has submitted a narrative which states that the project has provided water meters for bore well water consumption, water treatment plant consumption, STP treated water leaving the STP, cooling tower consumption, RO water consumption and landscape water consumption Submittals include photographs showing installed water meters and a SLD along with readings from WTP and STP.

However additional details are required to ascertain credit compliance.

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Technical Advice:

Please submit/ clarify the following:

1. The single line diagram provided does not highlight the water meters provided at individual building level meter, STP, landscape irrigation consumption and the RO water consumption. Please submit a narrative describing the water distribution system. Please resubmit the revised SLD.
2. Photographs of water meters at water treatment plant, STP treated water, cooling tower consumption and RO water consumption

**Final
Review:**

The submittal includes a water balance showing the location of the meters. Photographs of the different meters have also been submitted. The submittal demonstrates compliance with the requirements of the credit.

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Awarded

Denied

21	<input type="checkbox"/>	<input type="checkbox"/>	Energy Efficiency (EE)	Possible Points - 21
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10	<input type="checkbox"/>	<input type="checkbox"/>	Energy Efficiency in Infrastructural Equipment	EE credit 1
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Preliminary Review:

The submittal states that the Project is targeting 8 points under the credit. Five points for reduction in exterior lighting and three points for pump and motor efficiencies

Reduction in Exterior Lighting:

The submitted narrative states that the exterior lighting for the campus is 63.60% efficient as compared to the ASHRAE 90.1-2010 Baseline Case and the exterior lighting fixtures is being controlled by the timer based sensor. Submittals include photographs of installed exterior lighting fixtures. However, the issues raised under SPM Credit 5: Outdoor Light Pollution Reduction needs to be addressed.

Lighting Controls:

The submittal indicates that the Project has timer based/daylight sensor based control for exterior lighting. The submittal including photographs indicating that the campus meets the criteria for two points.

Pump and Motor efficiency:

The submittal states that the Project has installed five centrifugal pumps for the WTP and STP and three pumps for the hospital, college and hostel. The efficiencies of the pumps have been provided along with efficiencies of the motors installed on site. The submittal indicates that the pumps and motors meet the compliance criteria for the credit, however additional information is required to ascertain credit compliance.

However, additional details are required.

Technical Advice:

Please provide/address the following:

- a. Please provide clarifications for the issues raised under SPM credit 5.
- b. Manufacturers' technical data sheets for the installed pumps and motors.

Final Review:

The issues raised under SPM credit 5 have been clarified. The revised exterior LPD calculations indicate a reduction of more than 59%. over the ASHRAE-90.1-2010 Baseline This meets the compliance criteria for 5 points under the credit.

The submittal states that the technical data sheets of the pumps and motors is not available, however an audit report of the same has been provided. The report identifies all the pumps and motors installed, including make, number, head flow rate, RPM and efficiency. The submittal indicates that the Project meets the compliance criteria for 3 points for efficient pumps and motors.

5	<input type="checkbox"/>	<input type="checkbox"/>	On-site Renewable Energy	EE Credit 2
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Preliminary Review:

Submitted narrative states that project is in the process of installing 1001 KW on-site solar plant capacity, which will generate 15,31,146 KWH of electricity which shall meet more than

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100% of the infrastructure loads of the campus, including the exterior lighting and centralised pumps and motors. The submittal indicates that the annual energy demand of the exterior lighting is 3,30,426.90 KWH, the power consumption of pumps and motors is 4,40,569.20 and for DG set 3,30,426 KWH. Hence the installed solar PV capacity of 1001 KWp shall generate 15,31,146 KWH, which shall meet the 7,75,399.68 KWH requirement for site infrastructure.

However additional information is required to ascertain credit compliance.

Technical Advice:

Please provide copy of solar installation agreement, copy of electricity bills highlighting the consumption and PO for the solar PV system indicating the capacity.

Final
Review:

The submittal includes a PO of 1MW of solar PV. Copy of the electricity bill has not been provided as the installation is in process. The credit has been awarded based on the purchase order and audit.

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Off-site Renewable Energy

EE Credit 3

Preliminary Review:

The submittal indicates that the Project is following the Option 2: Off Site Renewable Energy Investments to demonstrate compliance. The narrative states that the Project has invested in 230 KW rated capacity x 8 windmills in Udumalpet, 225 KW rated capacity x 9 windmills at Vadavalli and 1x1.25MW rated capacity at Irukanturi. The total rated capacity of the Windmills is 5.115 MW. The submittal also includes a letter signed by the Project Owners confirming the ownership of the aforementioned windmills.

The annual power consumption of the campus for three years has been provided. The power consumption for the year 2019 was 1,08,04,410 KWH. A copy of the Windmill Generation Adjustment Statement has been provided which indicates that in 2018-2019, 32,98,181 KWH was generated.

However additional details are required to ascertain compliance.

Technical Advice:

Please provide the extract copy of contract agreement signed between the project owner and the green power developer indicating the investments.

Final
Review:

The submittal includes a copy of the Work order for AMC for the windmills and electricity bills indicating the deduction of electric consumption for the campus. The project team mentioned during site visit that the wind mills are owned by the project and the generation is given to the grid which is further deducted from the consumption at campus and the same is substantiated through the bills. Hence the credit is awarded.

2		
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Energy Metering

EE Credit 4

Preliminary Review:

The submittal indicates that the Project has installed meters for the centralized HVAC system, power backup systems and renewable energy systems. Submittals include meter readings and photographs of the installed meters. The submittal indicates credit compliance.

It is observed during the site visit that the campus has energy meters for more than 6 utilities such as RO plant, STP, and building level Hence 2 points are awarded.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Awarded

Denied

<input type="text" value="3"/>	<input type="text"/>	<input type="text" value="0"/>	Material and Resource Management (MRM)	Possible Points - 3
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<input type="text" value="Y"/>	<input type="text"/>	<input type="text"/>	Segregation of Waste, Post Occupancy	MRM Mandatory Requirement 1
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Preliminary Review:

The submitted a narrative which states that the Project has three bins located at all exterior common areas across the campus, one for dry waste, another one for we waste and a third one for hazardous waste. The waste from the bins is collected in a central facility and stored till its disposal.

The submittal states that the bio-medical waste is collected on a daily basis and removed from the campus by a registered vendor. The submittal also includes an audit of the bio-medical waste generated. The submittal includes photographs of the bins, and also of the central facility where the dry waste is stored. The photographs also include a photograph of the receipt from the waste removal vendor.

The claim is further substantiated with a letter from the Project Owners. The submittal indicates that the Project meets the compliance criteria for the mandatory requirement.

<input type="text" value="3"/>	<input type="text"/>	<input type="text"/>	Organic Waste Management, Post occupancy	MRM Credit 1
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Preliminary Review:

The project team has submitted a narrative which states that the campus has a 99 acre site and that the gardening waste is collected and crushed and then laid out in beds and watered over a period of 45 days till it is composted. The submittal states that the process is monitored and logged regularly. The submittal indicates that 100% of the garden waste is treated on site.

The submittal states that the food waste from the five kitchen is approximately 700 to 800Kg per day, which is expected in a campus with a FTE of 7481 and considering 0.1kg/person/day. The submittal states that the vegetable waste is given to cows for feeding and that the food waste is vermin-composted. The submittal includes photographs of the garden waste being treated below the canopy of the trees.

However, additional details are required to demonstrate credit compliance.

Technical Advice:

Please provide the following:

1. Site plan highlighting the location of on-site organic waste treatment systems installed in the project
2. Calculations indicating the quantity of organic waste (Food and Garden) treated in the project (including buildings) to the quantity of organic waste generated, in percentage
3. A typical report of the daily garden waste being monitored and logged.
4. The submittal indicates that vegetable waste is used as cattle feed. Please clarify if animal husbandry is being done on site and provide photographs of the same.
5. Detailed narrative stating the capacity of vermicomposting system and maintenance of the vermicomposting pit and also mention the agency responsible for regular maintenance.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Final

Review:

The clarifications include a site plan showing the location of the organic waste treatment area, calculations of the waste generated, a typical report of daily gardening waste logged and photographs of animals grazing on the site. The submittal also clarifies that only pit type composting is done and not vermi-composting. The submitted data indicates that the project meets the credit compliance criteria. However, it is not clear if 100% of waste would be treated given the capacity of the treatment system. Hence, the credit is awarded as benefit of doubt.

Handling of Waste Materials, During Construction

MRM Credit 2

**Not
Applicable**

Preliminary Review:

This credit is not applicable for existing campuses.

Local Materials

MRM Credit 3

**Not
Applicable**

Preliminary Review:

This credit is not applicable for existing campuses.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Awarded

Denied

6	0	0	Health and Well-being (HWB)	Possible Points - 6
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Y			Tobacco Smoke Control	HWB Mandatory Requirement 1
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Preliminary Review:

The project team has submitted a narrative which states that project is demonstrating compliance through Option 1: No Smoking and smoking is strictly prohibited within the campus premises. Submittal includes a declaration letter from the authorized signatory stating that smoking is prohibited in the campus and photographs of no smoking signages installed in the campus common area. This meets the mandatory requirement.

1			Basic Amenities	HWB Credit 1
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Preliminary Review:

The project team has submitted a narrative which states that 7 basic amenities are provided within the campus. The list of basic amenities includes a hospital, ATM, laundry services, restaurant (food court), grocery store, saloon and an auditorium. The submitted list also mentions other amenities which are not a part of the list in the IGBC Green Campus Abridged Reference Guide. Submittals include photographs and site-plans showing the basic amenities within campus. This meets the credit requirement.

4			Health and Well Being Facilities	HWB Credit 2
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Preliminary Review:

The submittal indicates that the Project is following Option1: Health and Well Being Compliance path as well as Option 2: Healthcare, Emergency and Security facilities compliance path.

Health and Well Being:

The submitted narrative states that the Project is a hospital-medical education campus, all physical education related facilities are provided to the students. The Health & well-being facilities provided within the campus are football field, cricket field, basketball courts, tennis courts, shuttle court, running track etc. The submittal states that regular occupancy is 3500 occupants, and the facilities cater to more than 350 users. Submittals include photographs indicating all the health & well-being activities organised on campus, sports activities, indoor games, outdoor games, etc. The submittal indicates compliance with the requirements for two points for providing health and well being facilities.

Healthcare, Emergency and Security facilities:

Also, healthcare, emergency & security facilities are provided which include first aid service, security service and CCTV cameras within the campus. Submittals include photographs of first aid service, ambulance, dispensary and CCTV cameras installed in the campus. Also, work order for CCTV system has been provided. This meets the credit requirement; hence two points are awarded.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020



Universal Design

HWB Credit 3

Preliminary Review:

The project team has submitted a narrative stating that the project has provided visual warning & way finding signage's, easy access to the main entrance of buildings, non-slippery ramps with handrails, restrooms for differently abled in each block (except for the private villas), main walkways/pathways of adequate width in exterior common areas and 10 nos. of preferred car parking space for a total parking of 550 Nos cars

Submittals include calculation for preferred parking & differently abled toilets, site plan highlighting the location of preferred parking spaces, floor plans highlighting the location of toilets for differently abled, plan and cross section for the differently abled toilets, and photographs of differently abled facilities provided such as preferred parking, ramps with handrails, visual signage's and differently abled toilets.

However, additional details are required to demonstrate credit compliance.

Technical Advice:

Please provide the following:

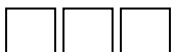
1. Photographs of the differently abled parking with permanent signage.
2. It is observed that the door opening of the differently abled toilet for wheelchair access is not according to NBC norms. Kindly submit detailed interior layout with dimensions of differently abled toilet.
3. Clarify if differently abled toilet is provided in all buildings in the campus. Submit additional photographs for the same.
4. Photographs of lifts provided with braille and audio assistance.

Final Review:

The submittal includes photographs of differently abled parking showing the appropriate signage.

The submittal states that the Project has designed all differently abled toilets of 1375 x 1750 mm with 950mm doors opening inwards as per NBC-2005, part 3 Annex D figure17. A campus plan has been provided, showing the buildings where the differently abled toilets are located. However, the Project Team is requested to note that NBC-2005 referenced image does not have the door opening inwards.

Photographs of the toilets showing grab bars have been provided to substantiate the claim along with photographs of the lift with Braille have also been provided. The credit is awarded as benefit of doubt.



Basic Facilities for Construction Work Force

HWB Credit 4

Not Applicable

Preliminary Review:

This credit is not applicable for existing campuses.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Awarded

Denied

3	<input type="checkbox"/>	<input type="checkbox"/>	Green Education (GE)	Possible Points - 3
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2	<input type="checkbox"/>	<input type="checkbox"/>	Green Education	GE Credit 1
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Preliminary Review:

The project team has submitted a narrative stating that the project team has actively conducted and participated in educational program & awareness session organized within and around the campus. The narrative states that the Project Owners have more than 600 volunteers of NSS who are actively involved in campus activities. The campus students have conducted Swacch Bharat Internships to spread awareness in surrounding villages, and also organized and participated in Unnat Bharat Abhiyan. The Project Owners have also incorporated several eco-friendly practices on campus such as bicycling etc.

The submittal includes photographs and reports about anti-plastic rallies, garbage cleaning and Swacch Bharat activities conducted over the last couple of years. However, additional details are required.

Technical Advice:

Please provide the following:

1. List of the committee/ forum members formed indicating the roles & responsibilities of the committee/ forum members allocated for implementation of eco-friendly practices/ green initiatives
2. Awards instituted to acknowledge the efforts for implementing eco-friendly practices/ green initiatives, with supporting documents

Note: The project team should consider incorporating activities which promote environmental awareness which go beyond just cleanliness by including awareness about water efficiency, energy savings and the impact of the environment on human health.

Final Review:

The submittal includes a list of Committee Members that constitute the sustainability panel, and a certificate of "Clean and Smart Campus" awarded by AICTE. However, the certificates and documentation provided indicate that the Campus has implemented several measures and instituted outreach programs for cleanliness, these do not meet the intent of the Credit. The intent of the credit is to promote green education, which goes beyond promoting cleanliness. During site visit, it was informed that few awareness sessions are being conducted. Note that the project team must conduct various activities for green education such as tree plant, awareness sessions, etc. However, few signages were observed during the site visit, hence the credit is awarded as a benefit of doubt.

1	<input type="checkbox"/>	<input type="checkbox"/>	Green Campus Guidelines	GE Credit 2
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Preliminary Review:

The project team has submitted a narrative stating that the project team has developed green campus guidelines and shared with the campus occupants. Also, the submitted narrative states that various strategies have been implemented within the campus to create awareness for the environment. Submittals include project specific green information and guidelines. However, additional details are required.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Technical Advice:

Please provide copy of green building renovation guidelines providing information which helps the facilities team to implement the green features, during building renovation process .

**Final
Review:**

The submittal includes a copy of the green building renovation guideline provided earlier with the addition of one more guideline for additions and renovation.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

Awarded

Denied

6	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design (ID)	Possible Points - 6
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1	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design Process, Green Cover or Vegetation	ID Credit 1.1
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Preliminary Review:

The submittal indicates that the Project has applied for a credit for exemplary performance under SPM Credit 3: Green Cover or Vegetation. The submittal for the base credit indicates that the Project has a Green cover exceeding 30% and meets the compliance criteria for exemplary performance.

1	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design Process, Wastewater Treatment and Reuse	ID Credit 1.2
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Preliminary Review:

The Project has applied for a credit for exemplary performance under WC Credit 4: Wastewater Treatment and Reuse. However further clarifications are required to ascertain compliance for the Base credit.

Technical Advice:

Please review the comments under WC Credit 4: Wastewater Treatment and Reuse

Final Review:

The submittals for the base credit WC Credit4: Wastewater Treatment and Reuse indicates that the combined water demand for irrigation, CT makeup water and flushing is about 1332 KLD, whereas the treated water available is about 933 KLD. The treated water meets more than 75% of the total combined demand for irrigation and CT, hence this innovation has been awarded.

1	<input type="checkbox"/>	<input type="checkbox"/>	Innovation in Design Process, On-site Renewable Energy	ID Credit 1.3
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Preliminary Review:

The Project has applied for a credit for exemplary performance EE Credit 2: On-site Renewable Energy. However further clarifications are required to ascertain compliance for the Base credit.

Technical Advice:

Please review the comments under EE Credit 2: On-site Renewable Energy.

Final Review:

The clarifications submittal for the base credit addresses all the issues raised during preliminary review. The Project meets the compliance criteria for exemplary performance under the credit.

IGBC Green Campus Final Review – Existing Campus

Project Name: Chettinad Academy of Research and Education, Tamil Nadu

Project No: IGBC GCE190035

Review Date: 05/10/2020

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Innovation in Design Process, Offsite Renewable Energy

Preliminary Review:

IDCredit 1.4

The Project has applied for an innovation credit for providing a healing gardens within the entire campus like in the courtyards, students seating area, herbal gardens, the Mango and Bamboo forest etc. However, it is not clear how these gardens have a measurable ecological/environmental impact which is not addressed in any of the credits/mandatory requirements. The environmental/ecological impact of vegetation is addressed under SPM credit 3: Green cover and Vegetation. The Campus has greater vegetation than the minimum recommended, for which the Campus has earned additional points under ID1.1 above.

Technical Advice:

The Project may opt to substitute the innovation credit with another innovation/exemplary performance.

Final Review:

The Project has opted to apply for an innovation for exemplary performance under EE credit 3: Offsite Renewable Energy. The submittal includes an AMC contract to maintain the windmills offsite. Hence, the innovation credit for exemplary performance is awarded.

2		
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IGBC Accredited Professional

ID Credit 2

Preliminary Review:

The submitted narrative states that four principal participants of project team are IGBC AP certified. Submittals include IGBC AP certificate of three principal participants (Ms.Krithika Muthukrishna, Mr. Navin Kumar R and Ms. Yasodha) This meets the credit requirement. .



**Chettinad
Academy**

of Research and Education
(Deemed to be University)

DISABLED FRIENDLY BARRIER FREE CAMPUS



Battery Operated Vehicle



Ramp in Hospital Entrance

DISABLED FRIENDLY BARRIER FREE CAMPUS



Ramp in General Hospital



Hospital Ramp Inner View



Ramp in Academic Block

DISABLED FRIENDLY BARRIER FREE CAMPUS



Hospital Escalator



Academic Block Escalator



Lifts in Hospital Block

DISABLED FRIENDLY BARRIER FREE CAMPUS



Lift in the Academic Block



Automatic Sensor Sliding Door

SIGNAGE & DISPLAY BOARDS



Human Assistance at General Hospital



Human Assistance at Library



Ramp Signage



Reserved Counter for Physically Challenged

DISABLED-FRIENDLY WASHROOMS



Disabled Friendly Washrooms



Disabled Friendly Toilet



Disabled Friendly Toilet

ASSISTIVE TECHNOLOGY



Reserved Area in the Virtual Library



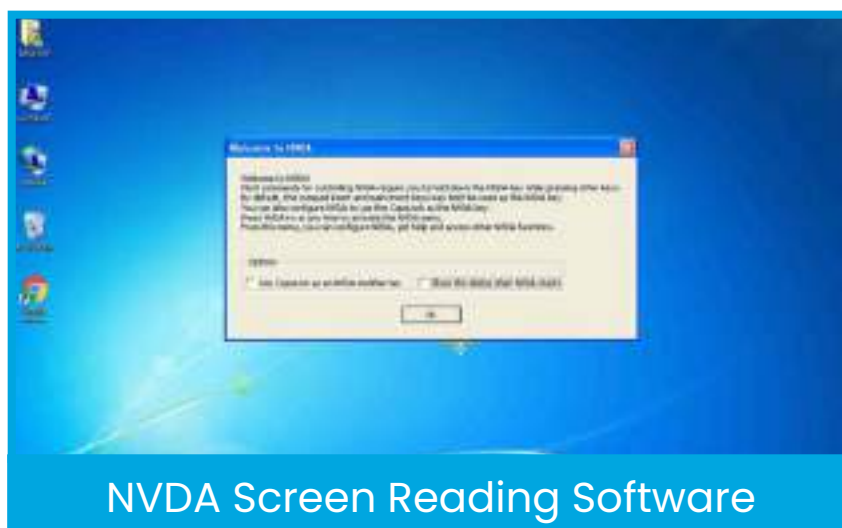
Magnifier Application for Visually Impaired



Narrator Application for Hearing Impaired along with Headphone facility



Audio-Visual Collections

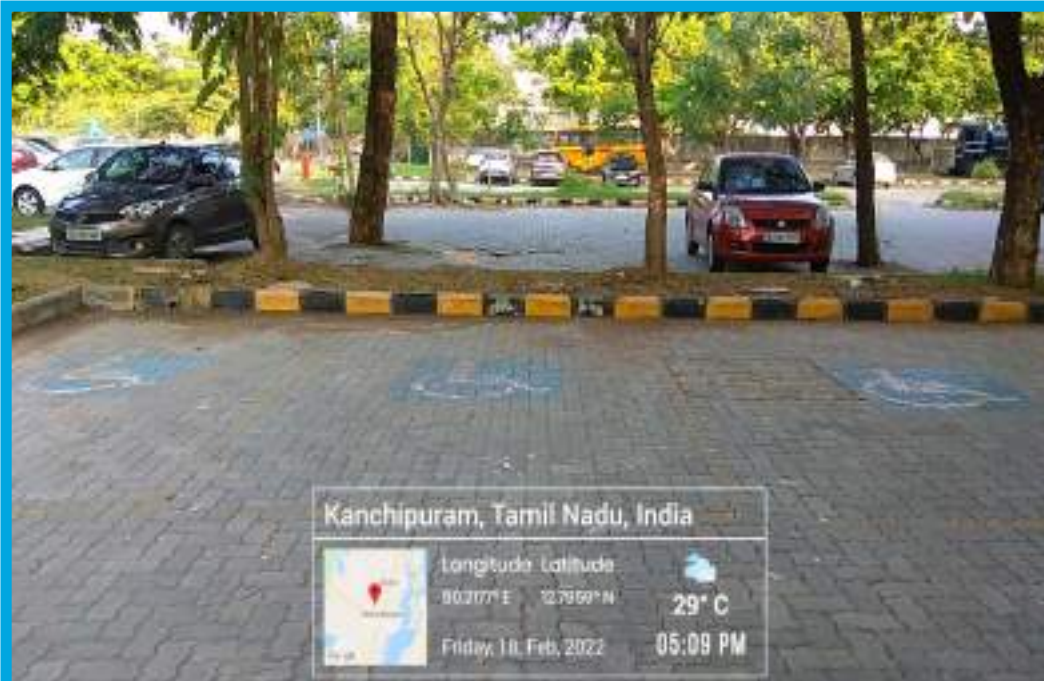


NVDA Screen Reading Software

DISABLED RESERVED PARKING



Exclusive Vehicle Parking Area for
Physically Challenged



Exclusive Vehicle Parking Area for
Physically Challenged

PROVISION FOR ENQUIRY AND INFORMATION



Human Assistance at General Hospital



Human Assistance at Library



Reserved Counter for
Physically Challenged