

Publication: 2022

| S.No | Authors | Title | Journal |
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| 1 | Paul S., Bravo Vázquez L.A., Reyes-Pérez P.R., Estrada-Meza C., Aponte Albuquerque R.A., Pathak S., Banerjee A., Bandyopadhyay A., Chakraborty S., Srivastava A. | The role of microRNAs in solving COVID-19 puzzle from infection to therapeutics: A mini-review | Virus Research |
| 2 | Agraharam G., Girigoswami A., Girigoswami K. | Myricetin: a Multifunctional Flavonol in Biomedicine | Current Pharmacology Reports |
| 3 | Ruiz-Manriquez L.M., Estrada-Meza C., Benavides-Aguilar J.A., Ledesma-Pacheco S.J., Torres-Copado A., Serrano-Cano F.I., Bandyopadhyay A., Pathak S., Chakraborty S., Srivastava A., Sharma A., Paul S. | Phytochemicals mediated modulation of microRNAs and long non-coding RNAs in cancer prevention and therapy | Phytotherapy Research |
| 4 | Dutta V., Sonu S., Raizada P., Thakur V.K., Ahamad T., Thakur S., Kumar Verma P., Quang H.H.P., Nguyen V.-H., Singh P. | Prism-like integrated Bi ₂ WO ₆ with Ag-CuBi ₂ O ₄ on carbon nanotubes (CNTs) as an efficient and robust S-scheme interfacial charge transfer photocatalyst for the removal of organic pollutants from wastewater | Environmental Science and Pollution Research |
| 5 | Paramita P., Sethu S.N., Subhpradha N., Ragavan V., Ilangovan R., Balakrishnan A., Srinivasan N., Murugesan R., Moorthi A. | Neuro-protective effects of nano-formulated hesperetin in a traumatic brain injury model of Danio rerio | Drug and Chemical Toxicology |
| 6 | Sakthi Devi R., Girigoswami A., Siddharth M., Girigoswami K. | Applications of Gold and Silver Nanoparticles in Theranostics | Applied Biochemistry and Biotechnology |
| 7 | Dhatwalia J., Kumari A., Chauhan A., Mansi K., Thakur S., Saini R.V., Guleria I., Lal S., Kumar A., Batoo K.M., Choi B.H., Manicum A.-L.E., Kumar R. | Rubus ellipticus Sm. Fruit Extract Mediated Zinc Oxide Nanoparticles: A Green Approach for Dye Degradation and Biomedical Applications | Materials |
| 8 | Esmeeta A., Adhikary S., Dharshnaa V., Swarnamughi P., Ummul Maqsummiya Z., Banerjee A., Pathak S., Duttaroy A.K. | Plant-derived bioactive compounds in colon cancer treatment: An updated review | Biomedicine and Pharmacotherapy |
| 9 | Vedhantham K., Girigoswami A., Harini A., Girigoswami K. | Waste water remediation using nanotechnology-a review | Biointerface Research in Applied Chemistry |
| 10 | Batoo K.M., Hadi M., Chauhan A., Verma R., Singh M., Aldossary O.M., Bhargava G.K. | High-frequency applications of bismuth-doped Co-Zn ferrite nanoparticles for electromagnetic interference filter and multilayer inductor chip fabrication | Applied Physics A: Materials Science and Processing |

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| 11 | Gutiérrez-García C., Ahmed S.S.S.J., Ramalingam S., Selvaraj D., Srivastava A., Paul S., Sharma A. | Identification of microRNAs from medicinal plant <i>Murraya Koenigii</i> by high-throughput sequencing and their functional implications in secondary metabolite biosynthesis | Plants |
| 12 | Phan Quang H.H., Phan K.T., Dinh N.T., Tran Thi T.N., Kajitvichyanukul P., Raizada P., Singh P., Nguyen V.-H. | Using ZrO ₂ coated sludge from drinking water treatment plant as a novel adsorbent for nitrate removal from contaminated water | Environmental Research |
| 13 | Kajitvichyanukul P., Nguyen V.-H., Boonupara T., Phan Thi L.-A., Watcharenwong A., Sumitsawan S., Udomkun P. | Challenges and effectiveness of nanotechnology-based photocatalysis for pesticides-contaminated water: A review | Environmental Research |
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| 18 | Ruiz-Manriquez L.M., Ledesma Pacheco S.J., Medina-Gomez D., Uriostegui-Pena A.G., Estrada-Meza C., Bandyopadhyay A., Pathak S., Banerjee A., Chakraborty S., Srivastava A., Paul S. | A Brief Review on the Regulatory Roles of MicroRNAs in Cystic Diseases and Their Use as Potential Biomarkers | Genes |
| 19 | Rathinam A., Pari L., Venkatesan M., Munusamy S. | Myrtenal attenuates oxidative stress and inflammation in a rat model of streptozotocin-induced diabetes | Archives of Physiology and Biochemistry |
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| 23 | Harini K., Pallavi P., Gowtham P., Girigoswami K., Girigoswami A. | Smart Polymer-Based Reduction Responsive Therapeutic Delivery to Cancer Cells | Current Pharmacology Reports |
| 24 | Vedakumari S.W., Veda Jancy S.J., Pravin Y.R., Bhoopathy J., Iyswariya K., Thomas S., Rubiya R., Prabakaran L., Kumar C., Prabu P., Murugesan R. | Facile synthesis of sericin modified graphene oxide nanocomposites for treating ischemic diseases | Environmental Research |
| 25 | Basak S., Banerjee A., Pathak S., Duttaroy A.K. | Dietary Fats and the Gut Microbiota: Their impacts on lipid-induced metabolic syndrome | Journal of Functional Foods |
| 26 | Gowtham P., Haribabu V., Prabhu A.D., Pallavi P., Girigoswami K., Girigoswami A. | Impact of nanovectors in multimodal medical imaging | Nanomedicine Journal |
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| 29 | Raj V.J., Ghosh R., Girigoswami A., Girigoswami K. | Application of zinc oxide nanoflowers in environmental and biomedical science | BBA Advances |
| 30 | Devi U., Roberts K.D., Pandita A. | A systematic review of surfactant delivery via laryngeal mask airway, pharyngeal instillation, and aerosolization: Methods, limitations, and outcomes | Pediatric Pulmonology |
| 31 | Pallavi P., Sharmiladevi P., Haribabu V., Girigoswami K., Girigoswami A. | A Nano Approach to Formulate Photosensitizers for Photodynamic Therapy | Current Nanoscience |
| 32 | Estrada-Meza C., Torres-Copado A., Loreti González-Melgoza L., Ruiz-Manriquez L.M., De Donato M., Sharma A., Pathak S., Banerjee A., Paul S. | Recent insights into the microRNA and long non-coding RNA-mediated regulation of stem cell populations | 3 Biotech |

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| 33 | Sudhaik A., Raizada P., Rangabhashiyam S., Singh A., Nguyen V.-H., Van Le Q., Khan A.A.P., Hu C., Huang C.-W., Ahamad T., Singh P. | Copper sulfides based photocatalysts for degradation of environmental pollution hazards: A review on the recent catalyst design concepts and future perspectives | Surfaces and Interfaces |
| 34 | Ruiz-Manriquez L.M., Carrasco-Morales O., Sanchez Z E.A., Osorio-Perez S.M., Estrada-Meza C., Pathak S., Banerjee A., Bandyopadhyay A., Duttaroy A.K., Paul S. | MicroRNA-mediated regulation of key signaling pathways in hepatocellular carcinoma: A mechanistic insight | Frontiers in Genetics |
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| 36 | Hasija V., Raizada P., Thakur V.K., Ahamad T., Alshehri S.M., Thakur S., Nguyen V.-H., Van Le Q., Singh P. | An overview on photocatalytic sulfate radical formation via doped graphitic carbon nitride for water remediation | Current Opinion in Chemical Engineering |
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| 38 | Harini K., Girigoswami K., Ghosh D., Pallavi P., Gowtham P., Girigoswami A. | Architectural fabrication of multifunctional janus nanostructures for biomedical applications | Nanomedicine Journal |
| 39 | Mahajan I., Ghose A., Gupta D., Manasvi M., Bhandari S., Das A., Sanchez E., Boussios S. | COVID-19, Mucormycosis and Cancer: The Triple Threat—Hypothesis or Reality? | Journal of Personalized Medicine |
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| 45 | Sharma U., Jagannathan N.R. | Magnetic Resonance Imaging (MRI) and MR Spectroscopic Methods in Understanding Breast Cancer Biology and Metabolism | Metabolites |
| 46 | Das D., Banerjee A., Jena A.B., Duttaroy A.K., Pathak S. | Essentiality, relevance, and efficacy of adjuvant/combinational therapy in the management of thyroid dysfunctions | Biomedicine and Pharmacotherapy |
| 47 | Jayavardhini B., Pravin Y.R., Kumar C., Murugesan R., Vedakumari S.W. | Graphene oxide impregnated sericin/collagen scaffolds – Fabrication and characterization | Materials Letters |
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| 50 | Reshma B.S., Aavula T., Narasimman V., Ramachandran S., Essa M.M., Qoronfleh M.W. | Antioxidant and Antiaging Properties of Agar Obtained from Brown Seaweed Laminaria digitata (Hudson) in D-Galactose-Induced Swiss Albino Mice | Evidence-based Complementary and Alternative Medicine |
| 51 | Chandrashekar I.V., Ravi N., Srinivasagopalane B. | Impact of aerobic exercise against general mobilisation exercise on exercise tolerance among type 2 diabetes mellitus | Comparative Exercise Physiology |
| 52 | Subramanian S., Anbarasu P., Joushua R., Jeyaraj Y., Iyer S., Bhaskar N. | Effect of Er, Cr:YSGG laser enamel etching with varying power output and irradiation time on the shear bond strength | Journal of Orthodontic Science |
| 53 | Banerjee A., Sriramulu S., Catanzaro R., He F., Chabria Y., Balakrishnan B., Hari S., Ayala A., Muñoz M., Pathak S., Marotta F. | Natural Compounds as Integrative Therapy for Liver Protection against Inflammatory and Carcinogenic Mechanisms: From Induction to Molecular Biology Advancement | Current Molecular Medicine |

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| 54 | Kumar Y., Sudhaik A., Sharma K., Sonu, Raizada P., Aslam Parwaz Khan A., Nguyen V.-H., Ahamad T., Singh P., Asiri A.M. | Construction of magnetically separable novel arrow down dual S-scheme ZnIn ₂ S ₄ /BiOCl/FeVO ₄ heterojunction for improved photocatalytic activity | Journal of Photochemistry and Photobiology A: Chemistry |
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| 60 | Agraharam G., Saravanan N., Girigoswami A., Girigoswami K. | Future of Alzheimer's Disease: Nanotechnology-Based Diagnostics and Therapeutic Approach | BioNanoScience |
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| 75 | Subramaniam M.H., Moirangthem V., Venkatesan M. | Management of Aggressive Vertebral Haemangioma and Assessment of Differentiating Pointers Between Aggressive | Global Spine Journal |

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