

Patent:

S No	Name of Patent Awardee	Patent Number	Title of the Patent	Patent Filed Date	Year Patent was awarded/Published
1	Inventors: Hikku G S; Antinate Shilpa; Subbulakshmi M S; Ankush Chauhan; Saravanan R Applicant: Chettinad Academy of Research and Education	202241072840	Preparation method for maranta arundinacea Leaf extract mediated silver nanospheres and uses thereof	21/12/2022	30/12/2022 (Patent Published)
2	Inventors: Ankush Chauhan; Arunkumar Radhakrishnan; Hikku G S Applicant: Chettinad Academy of Research and Education	202241068516	A preparation method for bismuth oxide nanoparticles using fruits and leaves extract of Rubus niveus	29/11/2022	02/12/2022 (Patent Published)
3	Inventors: Sathyaraj Weslen Vedakumari; Gokulnath Anbalagam Kalaivani Applicant: Chettinad Academy of Research and Education	202241066110	Collagen/pectin scaffolds for tissue regeneration and a process for the preparation thereof	18/11/2022	25/11/2022 (Patent Published)
4	Inventors: Monisha K; Hikku G S; Ankush Chauhan Applicant: Chettinad Academy of Research and Education	202241065548	Preparation method of binder-free silver Nanoparticles Coated gutta percha Cones and Applications Thereof	16/11/2022	25/11/2022 (Patent Published)

5	Inventors: Koyeli Girigoswami; Agnishwar Girigoswami; Shurfa M K; Harini Karthick Applicant: Chettinad Academy of Research and Education	202241065269	Nanoformulation process of cerium oxide nanoparticles and doxorubicin in copolymer matrix and applications thereof	15/11/2022	25/11/2022 (Patent Published)
6	Inventors: Ankush Chauhan; Arunkumar Radhakrishnan Applicant: Chettinad Academy of Research and Education	202241063555	A method for synthesizing bismuth oxide nanoparticles from fruits and leaves of rubus ellipticus	08/11/2022	18/11/2022 (Patent Published)
7	Inventors: Koyeli Girigoswami; Agnishwar Girigoswami; Gopikrishna A; Harini Karthick; Applicant: Chettinad Academy of Research and Education	202241060294	Cost effective portable UV sterilization unit and its applications thereof	21/10/2022	04/11/2022 (Patent Published)
8	Inventors: Koyeli Girigoswami; Agnishwar Girigoswami; Pemula Gowtham Applicant: Chettinad Academy of Research and Education	202241060189	Preparation method of doxorubicin loaded alginate dialdehyde encapsulated carbon coated manganese ferrite nanodots and applications	21/10/2022	04/11/2022 (Patent Published)
9	Inventors: Balaji T K, Chettinad Academy of Research	202241043758	Image Registration and Recognition of Brain Images Captured Using Multiple Modalities for Early Detection	30/07/2022	05/08/2022 (Patent Published)

10	Inventors: Saravanan Ramachandran, Dr G.S.Hikku and S. Vignesh Applicant: Chettinad Academy of Research and Education	202141056738	Chitosan biosphere preparation and metal adsorption from used engine oil thereof	12/07/2021	04/11/2022 patent Awarded No: 410988 17/12/2021 (Patent Published)
11	Inventors: Koyeli Girigoswami; Agnishwar Girigoswami; Deepika Balasubramanian; Gopikrishna Agraharam; Applicant: Chettinad Academy of Research and Education	202241053880	Method for the preparation of nanoformulation of passiflora incarnata leaf Extract and its applications thereof	21/09/2022	30/09/2022 (Patent Published)
12	Inventors: Agnishwar Girigoswami; Koyeli Girigoswami; Pragya Pallavi; Applicant: Chettinad Academy of Research and Education	202241051480	Method of synthesis of rhodamine 6g functionalized theranostic gold Nanoparticles and its applications thereof	09/09/2022	16/09/2022 (Patent Published)
13	Inventors: Koyeli Girigoswami; Agnishwar Girigoswami; Gopikrishna A; Deepika B; Applicant: Chettinad Academy of Research and Education	202241047202	Method for preparation of titanium dioxide nanoparticles from solanum Tuberosum peel extract and applications thereof	19/08/2022	26/08/2022 (Patent Published)
14	Inventors: Ankush Chauhan Applicant: Chettinad Academy of Research and Education	202241037207	Method for performing magnetic and electrical properties of lithium and zinc doped magnesium ferrite nanoparticles	29/06/2022	08/07/2022 (Patent Published)

15	Inventors: Ankush Chauhan; Arunkumar Radhakrishnan Applicant: Chettinad Academy of Research and Education	202241037951	Method for the Preparation of Green Copper Oxidnanoparticles from Fruits of Myrica Esculenta	01/07/2022	08/07/2022 (Patent Published)
16	Inventors: Ankush Chauhan Applicant: Chettinad Academy of Research and Education	202241036901	Method for Saturation of Magnesium-Zinc Ferritenanoparticles Magnetization Using Copper Doping	28/06/2022	08/07/2022 (Patent Published)
17	Inventors: Lakshitha Niyatee Rao. K Arun Kumar Radhakrishnan Applicant: Chettinad Academy of Research and Education	202241034999	Method for the preparation of Prosopis Juliflora seed extract acting as an antidiabetic agent	18/06/2022	24/06/2022 (Patent Published)
18	Inventors: Sudakshina Chakrabarti Applicant: Chettinad Academy of Research and Education	202141061359	Educational approached using 3 D printing and IOT	28/12/2021	04/02/2022 (Patent Published)
19	Inventors: Gowtham Kumar Subbaraj Hikku Gnanadhas Sobhin Osannal Mr.Y.Santhosh Kumar Applicant: Chettinad Academy of Research and Education	202141056736	System and fabrication of replica plating apparatus and applications Thereof	07/12/2021	17/12/2021 (Patent Published)

20	Inventors: Kurunchi C Divya Applicant: Chettinad Academy of Research and Education	202141056711	Oral delivery of insulin using hybrid nanoparticles	07/12/2021	17/12/2021 (Patent Published)
21	Inventors: Dr. S. Weslen Vedakumari and Ms. B. Jayavardhini Applicant: Chettinad Academy of Research and Education	202141056723	Polymeric scaffolds for wound treatment	07/12/2021	17/12/2021 (Patent Published)
22	Inventors: Ramakrishnan. V, Keerthana.S Applicant: Chettinad Academy of Research and Education	202141056718	Genetic polymorphisms associated with preeclampsia and recurrent Pregnancy loss, methods of detection and uses thereof	07/12/2021	17/12/2021 (Patent Published)
23	Inventors: Ramakrishnan and V, Aswathi. P Applicant: Chettinad Academy of Research and Education	202141056709	Methods and testing the use of lepr gene polymorphisms in type-2 diabetes Mellitus and uses thereof	07/12/2021	17/12/2021 (Patent Published)
24	Inventors: Surajit Pathak Suman Adhikari, Tirtha Bhattacharjee Applicant: Chettinad Academy of Research and Education	202141056720	A facile and efficient aqueous medium synthesis of novel ni (ii) Coordination compound and its superior dna binding ability	07/12/2021	17/12/2021 (Patent Published)

25	Inventors: Antara Banerjee and Suman Adhikari, Tirtha Bhattacharjee Applicant: Chettinad Academy of Research and Education	202141056742	Method for proficient, high yield synthesis of novel pd(ii) coordination Compound based on dithiolat	07/12/2021	17/12/2021 (Patent Published)
26	Inventors: Shoba Narayan and Saraswathi N Applicant: Chettinad Academy of Research and Education	202141056739	Gold core stabilized silica nanocomposites with antimicrobial peptides And drugs, preparation and us	07/12/2021	17/12/2021 (Patent Published)
27	Inventors: Dr. Shiek SSJ Ahmed, Ms Monisha KG and Dr Chokkalingam M Applicant: Chettinad Academy of Research and Education	202141056743	Levels circulating linc00520 and dbhas1 Incrnas as diagnostic markers for coronary artery disease	07/12/2021	24/12/2021 (Patent Published)
28	Inventors: Dr. Saravanan Ramachandran, Dr G.S.Hikku and S. Vignesh Applicant: Chettinad Academy of Research and Education	202141056738	Chitosan biosphere preparation and metal adsorptionfrom used engine oil thereof	07/12/2021	17/12/2021 (Patent Published)
29	Inventors: Dr.R. Suthakaran, Dr. Teelavath Mangilal, Dr.S. Anand Reddy, Dr A Venkateshwar Reddy, Dr.K. Lakshmi, Mrs. N. Venkata Naga Jyothi, Dr.N. Kiruthiga, Harish Kumar, Prof. (Dr) Vivek Kumar Sharma, ,Tadiboyina Sirisha	202141052056	Drug interaction and prediction based method for minimizing side effects of the drug	12/11/2021	12/10/2021 (Patent Published)

30	Inventors: Dr Deevan Paul A, Dr.K.Lakshmi, Chalasani Harika Dr K Umasankar, Dr Brito raj Thumbooru N Shilpa, Katta Manogna, Mandapati Lavanya, K.C.Mounika	202141053978	Method of processing clopidogrel bisulphate silver nanoparticles	23/11/2021	12/10/2021 (Patent Published)
31	Inventors: Koyeli Girigoswami Ramachandran Murugesan Agnishwar Girigoswami Keerthana V Jothika S Kavitha D Applicant: Chettinad Academy of Research and Education	202041051665	Method of preparation of GO-TiO ₂ nanocomposite and use thereof	27/11/2020	04/12/2020 (Patent Published)
32	Inventors: Antara Banerjee Surajit Pathak Ramachandran Murugesan Applicant: Chettinad Academy of Research and Education	202041051674	A method to induce rapid transdifferentiation of mesenchymal stem cells and its application thereof.	27/11/2020	04/12/2020 (Patent Published)
33	Inventors: Karunanithi Rajamanickam Prema C Sabitha S Yamini P Ramachandran Murugesan Applicant: Chettinad Academy of Research and Education	202041051663	Method And Process For The Evaluation Of Chemotherapeutic Pseudo-Progression In Brain Tumours Using Quantitative Perfusion MRI	27/11/2020	04/12/2020 (Patent Published)
34	Inventors: Karunanithi Rajamanickam Prema C Sabitha SYamini P Ramachandran Murugesan Applicant: Chettinad Academy of Research and Education	202041051676	Method And Process For The Evaluation Of Chemotherapy In Brain Tumours Using Tumour- Segmentation Of MR Images	27/11/2020	04/12/2020 (Patent Published)

35	<p>Inventors: Koyeli Girigoswami Agnishwar Girigoswami Ramachandran Murugesan Gopikrishna A</p> <p>Applicant: Chettinad Academy of Research and Education</p>	202041051698	Method and process of nanoformulation of liposomal myricetin and uses thereof	27/11/2020	<p>22/12/2021 (Patent Awarded) Award No:384885) (Patent Published 04/12/2020)</p>
36	<p>Inventors: Gowtham kumar Subbaraj Murugesan Ramachandran Sindhu Varghese Hikku</p> <p>Applicant: Chettinad Academy of Research and Education</p>	202041051678	System and Fabrication Of A Microbial Streaking Apparatus And Application Thereof	27/11/2020	04/12/2020 (Patent Published)
37	<p>Inventors: Ramakrishnan. V Iyshwarya B.K Keerthana. P Sivashankar. A Murugesan Ramachandran</p> <p>Applicant: Chettinad Academy of Research and Education</p>	202041051672	Genetic Polymorphisms Associated with Fibroadenoma, Methods of detection and use thereof	27/11/2020	11/12/2020 (Patent Published)
38	<p>Inventors: Sathyaraj Weslen Vedakumari Jayavardhini Bhoopathy Arjun Sathish Kumar Ramachandran Murugesan</p> <p>Applicant: Chettinad Academy of Research and Education</p>	202041051689	Method and preparation of sericin scaffolds reinforced with biomacromolecules and uses thereof	27/11/2020	11/12/2020 (Patent Published)
39	<p>Inventors: Ambigapathi Moorthi; Sai Nievethitha Sethu; Namasivayam Subhpradha; Narasimhan Srinivasan; Ramachandran Murugesan</p> <p>Applicant: Chettinad Academy of Research and Education</p>	201841000244	Method of nanoformulation of Hesperetin for enhancement of properties and uses	03/01/2018	1/11/2019 (Patent Published)

40	Inventors: Karunanithi Rajamanickam; Saraswathi.S; Joy Sebastian Prakash.J; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201841000239	System and Methods to determine structural and functional changes in T1 weighted and functional MRI images in human brain	03/01/2018	1/11/2019 (Patent Published)
41	Inventors: Manigandan Venkatesan; Karthik Ramachandran; Saravanan Ramachandran; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201841000238	Process, extraction of Low Molecular Weight Sulfated Chitosans (LMWSC) and their application in the treatment of Neurological disease	03/01/2018	1/11/2019 (Patent Published)
42	Inventors: Gowtham Kumar Subbaraj; Sindhu Varghese Applicant: Chettinad Academy of Research and Education	201841000242	A system and device for dispensing sterile microbial culture	03/01/2018	1/11/2019 (Patent Published)
43	Inventors: Ramakrishnan V; Hafsa .S; Santhosh .V Srivarshini .S Applicant: Chettinad Academy of Research and Education	201941026213	ESR1 PvuII and XbaI polymorphism Associated with Coronary Artery Disease, Methods of detection and uses thereof	01/07/2019	02/08/2019 (Patent Published)
44	Inventors: Jyothi Ashok Kumar; Thotakura Balaji;C.Swathi Priyadarshini; Ramachandran Murugesan; Applicant: Chettinad Academy of Research and Education	201941026211	Street Maze to assess learning and memory in rodents	01/07/2019	12/07/2019 (Patent Published)

45	<p>Inventors: Shoba Narayan; Nikitha Shalom Richard; Sangamithra Nehru; Soniya Pushparaj; Subitha Palaniraj; Geeva; Chokkalingam Meyyapan, Ramachandran Murugesan Applicant: Chettinad Academy of Research and Education</p>	201941026200	Novel Injectable Biocompatible Carriers for Cardiac Tissue Repair and Regeneration	01/07/2019	12/07/2019 (Patent Published)
46	<p>Inventors:SSJ Shiek Fareeth Ahmed Murugesan.R; Gnanakkumaar Athira Anirudhan; Meenalochini M; Rukshana Parveen T; Sruthi B; Prema B.K; Vidhya P Applicant: Chettinad Academy of Research and Education</p>	201941026204	Method and process for the detection of metal induced toxicity based on Fourier Transform infrared spectroscopy	01/07/2019	12/07/2019 (Patent Published)
47	<p>Inventors: SSJ Shiek Fareeth Ahmed; Murugesan.R; Gnana kumaar; Athira Anirudhan; Muumina M Monisha Ganesh K M Applicant: Chettinad Academy of Research and Education</p>	201941026208	Method and non-invasive process for screening of coronary artery disease using Fourier Transform Infrared Spectroscopy.	01/07/2019	12/07/2019 (Patent Published)
48	<p>Inventors:Sathyaraj Weslen Vedakumari; Raveendra Rubiya; Keerthivasan Iyswariya; Shalini Thomas; Venkatesan Divya; Ramachandra Murugasen Applicant: Chettinad Academy of Research and Education</p>	201941026201	Angiogenic nanocomposites for tissue repair and regeneration	01/07/2019	12/07/2019 (Patent Published)
49	<p>Inventors: Karunanithi Rajamanickam; Sharon Jebamalar; Joy Sebastian Prakash J; Ramachandran Murugasen Applicant: Chettinad Academy of Research and Education</p>	201941026202	Method And Process For Producing Functional Connectivity Index From RS-FMRI For Autism Spectrum Disorder (ASD) And Uses Thereof	01/07/2019	12/07/2019 (Patent Published)

50	<p>Inventors: Saravanan Ramachandran; Jeneesha George; Gomathy V; Janani priya V; Manigandan Venkatesan; Ramachandran Murugasen; Applicant: Chettinad Academy of Research and Education</p>	201941026209	Extraction and formulation of agar from brown seaweed & use of their anticancer properties	01/07/2019	12/7/2019 (Patent Published)
51	<p>Inventors: Sathyaraj Weslen Vedakumari; Shalini Thomas; Keerthivasan Iyswariya; Raveendran Rubiya; Bhoopathy Jayavardhini; Ramachandran Murugasen Applicant: Chettinad Academy of Research and Education</p>	201941026203	Nanostructured Magentic Sericin - Method and process of fabrication of and uses thereof	01/07/2019	12/07/2019 (Patent Published)
52	<p>Inventors: Ramakrishnan.V; Pallavi Kesavan; Aiswarya P.S; Umamaheshwari.V Applicant: Chettinad Academy of Research and Education</p>	201941026210	Genetic Polymorphisms Associated with Migraine (Headache), Methods of detection and uses thereof	01/07/2019	12/07/2019 (Patent Published)
53	<p>Inventors: Shoba Narayan; Rathi Usha Kannan; Geeva Applicant: Chettinad Academy of Research and Education</p>	201841000245	Design Development and Use of pH - Sensitive multifunctional gold nanorods	03/01/2018	05/07/2019 (Patent Published)
54	<p>Inventors: Surajit Pathak; Sushmitha Sriramulu; Antara B anerjee; Ganesan Jothimani; Murugesan Ramachandran Marotta Francesco Applicant: Chettinad Academy of Research and Education</p>	201841000251	Method and process of conditioned medium derived from mesenchymal stem cells	03/01/2018	05/07/2019 (Patent Published)

55	Inventors: Antara Banerjee; Ganesan Jothimani; Pathak Surajit ; Sushmitha Sriramulu; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201841000240	Methods, effects and application of inhibition of Wnt β catenin signaling pathway in mesenchymal stem cells	03/01/2018	09/01/2023 (Patent Awarded) Award No:417266) 05/07/2019 (Patent Published)
56	Inventors: Ramakrishnan V; Bhavani B Applicant: Chettinad Academy of Research and Education	201841000248	Method and testing the use of ESR1 gene polymorphisms in infertility	03/01/2018	05/07/2019 (Patent Published)
57	Inventors: Weslen Vedakumari Sathyaraj; Jayalakshmi Rajendran; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201841000243	Fabrication and use of novel nanoscaffolds	03/01/2018	05/07/2019 (Patent Published)
58	Inventors: Tamaraichelvan Arunachalam; Priyanga Gandhi Chellakannu; AnithaVijayarangan, Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201741001079	Paper Based Analytical Device for the Detection of Salivary Biomarkers	11/01/2017	13/07/2018 (Patent Published)
59	Inventors: Shoba Narayan; Surajit Pathak; Rachel Karena; Moorthi Ambigapathi; Srinivasan Narasimhan; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201741001087	A method and development of a nanoscaffold for delivery of agents for stem cell differentiation	11/01/2017	06/08/2020 (Patent Awarded) Award No:343553 13/07/2018 (Patent Published)

60	Inventors: Agnishwar Girigoswami; Haribabu V ; Koyeli Girigoswami Applicant: Chettinad Academy of Research and Education	201741001085	Label-free biocompatible magnetoflourecent nanoclusters for multimodal imaging	11/01/2017	13/01/2023 (Patent Awarded) Award No:417984 13/07/2018 (Patent Published)
61	Inventors:: Weslen Vedakumari Sathyaraj; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201741001094	Fabrication of sericin modified monetite for bone tissue engineering	11/01/2017	13/07/2018 (Patent Published)
62	Inventors:: Weslen Vedakumari Sathyaraj; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201741001086	A method for crafting metal nanoparticle based biosensor for detection of plasmin in biofluids	11/01/2017	13/07/2018 (Patent Published)
63	Inventors:: Moorthi Ambigapathi; Shoba Narayan; Azeena Saleem; Subhapradha Namasivayam; Srinivasan Narasimhan; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	201741001091	Polymeric matrix containing metal doped ceramic for tissue engineering	11/01/2017	13/07/2018 (Patent Published)
64	Inventors:: Satish Ramalingam; Shoba Narayan; Surajit Pathak; Liza Mary Applicant: Chettinad Academy of Research and Education	201741001089	A method and process for the efficacy enhancement of activities of Bioflavonoids	11/01/2017	13/07/2018 (Patent Published)

65	Inventors:: Surajit Pathak; Murugesan Ramachandran; Madhumala Gopinath Applicant: Chettinad Academy of Research and Education	201741001093	A method and process for evaluating the quality of mesenchymal stem cells	11/01/2017	13/07/2018 (Patent Published)
66	Inventors:: Surajit Pathak; Murugesan Ramachandran; Vimala Devi Subramanian; Applicant: Chettinad Academy of Research and Education	201741001095	Method and process for screening toxicity of cosmetic products containing nanoparticles	11/01/2017	13/07/2018 (Patent Published)
67	Inventors: Thangavel M; Subitha P Applicant: Chettinad Academy of Research and Education	201741001096	Method and process for accessing efficacy of anticancer agent	11/01/2017	13/07/2018 (Patent Published)
68	Inventors: Kurunchi C Divya Murugesan R Srinivasan N Applicant: Chettinad Academy of Research and Education	201741001090	Development method and process for the detection of drug resistant water borne pathogens	11/01/2017	13/07/2018 (Patent Published)
69	Inventors: Girigoswami Koyeli; Agnishwar Girigoswami; Murugesan Ramachandran; Akhtar Nazim Applicant: Chettinad Academy of Research and Education	201741001092	Sensor for amyloid detection based on ZnO nanoflower platform	11/01/2017	13/07/2018 (Patent Published)

70	Inventors: D MathangiD Chandrasekar; A Ahamed Basha Applicant: Chettinad Academy of Research and Education	201641044254	Design of multi-metabolic cage for small laboratory animals	26/12/2016	29/06/2018 (Patent Published)
71	Inventors: Vincent Alexander; Shiek Fareeth Ahmed; Ramachandran Murugesan ;Pradeep G Nair Applicant: Chettinad Academy of Research and Education	5414/CHE/2015	System and Process for Nitric Oxide Estimation in Fluids	09/10/2015	30/06/2017 (Patent Published)
72	Inventors: : Metkar Sanjay Kisan; Girigoswami Koyeli; Agnishwar Girigoswami; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	5415/CHE/2015	Degradation Process of Amyloid Fibrils by Serratiopeptidase	09/10/2015	30/06/2022 (Patent Awarded) Award No:400638 30/06/2017 (Patent Published)
73	Inventors: : Metkar Sanjay Kisan; Girigoswami Koyeli; Agnishwar Girigoswami; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	5412/CHE/2015	Denaturation of Amyloids by Lumbrokinase	09/10/2015	30/11/2022 (Patent Awarded) Award No:413205 14/04/2017 (Patent Published)
74	Inventors: : Dupesh Khan S; Pandiyan N; Kanchana Dev Applicant: Chettinad Academy of Research and Education	5239/CHE/2014	A method for lyophilisation of human spermatozoa	20/10/2014	01/7/2016 (Patent Published)