

Patent:

S No	Name of Patent Awardee	Patent Number	Title of the Patent	Year Patent was awarded/ Published
1	Inventors: Dr. Sudakshina Chakrabarti Applicant: Chettinad Academy of Research and Education	202141061359	Educational approached using 3 D printing and IOT	04/02/2022 (Patent Published)
2	Inventors: Dr. Gowtham Kumar Subbaraj Dr. 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	17/12/2021 (Patent Published)
3	Inventors: Dr. Kurunchi C Divya Applicant: Chettinad Academy of Research and Education	202141056711	Oral delivery of insulin using hybrid nanoparticles	17/12/2021 (Patent Published)
4	Inventors: Dr. S. Weslen Vedakumari and Ms. B. Jayavardhini Applicant: Chettinad Academy of Research and Education	202141056723	Polymeric scaffolds for wound treatment	17/12/2021 (Patent Published)
5	Inventors: Dr. 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	17/12/2021 (Patent Published)
6	Inventors: Dr. 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	17/12/2021 (Patent Published)
7	Inventors: Dr. 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	17/12/2021 (Patent Published)

8	Inventors: Dr. 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	17/12/2021 (Patent Published)
9	Inventors: Dr. 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	17/12/2021 (Patent Published)
10	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 (Patent filed)
11	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	17/12/2021 (Patent Published)
12	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	12/10/2021 (Patent Published)
13	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	12/10/2021 (Patent Published)
14	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-TiO2 nanocomposite and use thereof	04/12/2020 (Patent Published)

15	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.	04/12/2020 (Patent Published)
16	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	04/12/2020 (Patent Published)
17	Inventors: Karunanithi Rajamanickam Prema C Sabitha S Yamini 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	04/12/2020 (Patent Published)
18	Inventors: Koyeli Girigoswami Agnishwar Girigoswami Ramachandran Murugesan Gopikrishna A Applicant: Chettinad Academy of Research and Education	202041051698	Method and process of nanoformulation of liposomal myricetin and uses thereof	22/12/2021 (Patent Awarded) Award No:384885) (Patent Published 04/12/2020)
19	Inventors: Gowtham kumar Subbaraj Murugesan Ramachandran Sindhu Varghese Hikku Applicant: Chettinad Academy of Research and Education	202041051678	System and Fabrication Of A Microbial Streaking Apparatus And Application Thereof	04/12/2020 (Patent Published)
20	Inventors: Ramakrishnan. V Iyshwarya B.K Keerthana. P Sivashankar. A Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education	202041051672	Genetic Polymorphisms Associated with Fibroadenoma, Methods of detection and use thereof	11/12/2020 (Patent Published)

21	Inventors: Sathyaraj Weslen Vedakumari Jayavardhini Bhoopathy Arjun Sathish Kumar Ramachandran Murugesan Applicant: Chettinad Academy of Research and Education	202041051689	Method and preparation of sericin scaffolds reinforced with biomacromolecules and uses there of	11/12/2020 (Patent Published)
22	Inventors: Ambigapathi Moorthi; Sai Nievethitha Sethu; Namasivayam Subhapradha; Narasimhan Srinivasan; Ramachandran Murugesan Applicant: Chettinad Academy of Research and Education	201841000244	Method of nanoformulation of Hesperetin for enhancement of properties and uses	1/11/2019 (Patent Published)
23	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	1/11/2019 (Patent Published)
24	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	1/11/2019 (Patent Published)
25	Inventors: Gowtham Kumar Subbaraj; Sindhu Varghese Applicant: Chettinad Academy of Research and Education	201841000242	A system and device for dispensing sterile microbial culture	1/11/2019 (Patent Published)
26	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	02/08/2019 (Patent Published)
27	Inventors: Jyothi Ashok Kumar; Thotakura Balaji; C.SwathiPriyadarshin Ramachandran Murugesan Applicant: Chettinad Academy of Research and Education	201941026211	Street Maze to assess learning and memory in rodents	12/07/2019 (Patent Published)

28	<p>Inventors: Shoba Narayan; Nikitha Shalom Richard; Sangamithra Nehru; Soniya Pushparaj; Subitha Palaniraj; Geeva; Chokkalingam Meyyapan, Ramachandran Murugesan</p> <p>Applicant: Chettinad Academy of Research and Education</p>	201941026200	Novel Injectable Biocompatible Carriers for Cardiac Tissue Repair and Regeneration	12/07/2019 (Patent Published)
29	<p>Inventors: SSJ Shiek Fareeth Ahmed Murugesan.R; Gnanakkumaar Athira Anirudhan; Meenalochini M; Rukshana Parveen T; Sruthi B; Prema B.K; Vidhya P</p> <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	12/07/2019 (Patent Published)
30	<p>Inventors: SSJ Shiek Fareeth Ahmed; Murugesan.R; Gnana kumaar; Athira Anirudhan; Muumina M</p> <p>Monisha Ganesh K M</p> <p>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.	12/07/2019 (Patent Published)
31	<p>Inventors: Sathyaraj Weslen Vedakumari; Raveendra Rubiya; Keerthivasan Iyswariya; Shalini Thomas; Venkatesan Divya; Ramachandra Murugasen</p> <p>Applicant: Chettinad Academy of Research and Education</p>	201941026201	Angiogenic nanocomposites for tissue repair and regeneration	12/07/2019 (Patent Published)
32	<p>Inventors: Karunanithi Rajamanickam; Sharon Jebamalar; Joy Sebastian Prakash J; Ramachandran Murugasen</p> <p>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	12/07/2019 (Patent Published)
33	<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	12/7/2019 (Patent Published)

34	<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 Magnetic Sericin - Method and process of fabrication of and uses thereof	12/07/2019 (Patent Published)
35	<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	12/07/2019 (Patent Published)
36	<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	05/07/2019 (Patent Published)
37	<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	05/07/2019 (Patent Published)
38	<p>Inventors: Antara Banerjee; Ganesan Jothimani; Pathak Surajit ; Sushmitha Sriramulu; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education</p>	201841000240	Methods, effects and application of inhibition of Wnt β catenin signaling pathway in mesenchymal stem cells	05/07/2019 (Patent Published)
39	<p>Inventors: Ramakrishnan V; Bhavani B Applicant: Chettinad Academy of Research and Education</p>	201841000248	Method and testing the use of ESR1 gene polymorphisms in infertility	05/07/2019 (Patent Published)
40	<p>Inventors: Weslen Vedakumari Sathyaraj;Jayalakshmi Rajendran; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education</p>	201841000243	Fabrication and use of novel nanoscaffolds	05/07/2019 (Patent Published)

41	<p>Inventors: Thamaraichelvan Arunachalam; Priyanga Gandhi Chellakannu; AnithaVijayarangan, Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education</p>	201741001079	Paper Based Analytical Device for the Detection of Salivary Biomarkers	13/07/2018 (Patent Published)
42	<p>Inventors: Shoba Narayan; Surajit Pathak; Rachel Karena; Moorthi Ambigapathi; Srinivasan Narasimhan; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education</p>	201741001087	A method and development of a nanoscaffold for delivery of agents for stem cell differentiation	06/08/2020 (Patent Awarded) Award No:343553 13/07/2018 (Patent Published)
43	<p>Inventors: Agnishwar Girigoswami; Haribabu V ; Koyeli Girigoswami Applicant: Chettinad Academy of Research and Education</p>	201741001085	Label-free biocompatible magnetoflourecent nanoclusters for multimodal imaging	13/07/2018 (Patent Published)
44	<p>Inventors::Weslen Vedakumari Sathyaraj; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education</p>	201741001094	Fabrication of sericin modified monetite for bone tissue engineering	13/07/2018 (Patent Published)
45	<p>Inventors::Weslen Vedakumari Sathyaraj; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education</p>	201741001086	A method for crafting metal nanoparticle based biosensor for detection of plasmin in biofluids	13/07/2018 (Patent Published)
46	<p>Inventors:: Moorthi Ambigapathi; Shoba Narayan; Azeena Saleem; Subhpradha Namasivayam; Srinivasan Narasimhan; Murugesan Ramachandran Applicant: Chettinad Academy of Research and Education</p>	201741001091	Polymeric matrix containing metal doped ceramic for tissue engineering	13/07/2018 (Patent Published)
47	<p>Inventors:: Satish Ramalingam; Shoba Narayan; Surajit Pathak; Liza Mary Applicant: Chettinad Academy of Research and Education</p>	201741001089	A method and process for the efficacy enhancement of activities of Bioflavonoids	13/07/2018 (Patent Published)

48	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	13/07/2018 (Patent Published)
49	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	13/07/2018 (Patent Published)
50	Inventors: Thangavel M; Subitha P Applicant: Chettinad Academy of Research and Education	201741001096	Method and process for accessing efficacy of anticancer agent	13/07/2018 (Patent Published)
51	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	13/07/2018 (Patent Published)
52	Inventors: Girigoswami Koyeli; Agnishwar Girigoswami; Murugesan Ramachandran; Akhtar Nazim Applicant: Chettinad Academy of Research and Education	201741001092	Sensor for amyloid detection based on ZnOnanoflower platform	13/07/2018 (Patent Published)
53	Inventors: D MathangiD Chandrasekar; A Ahamed Basha Applicant: Chettinad Academy of Research and Education	201641044254	Design of multi- metabolic cage for small laboratory animals	29/06/2018 (Patent Published)
54	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	30/06/2017 (Patent Published)
55	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	30/06/2017 (Patent Published)

56	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	14/04/2017 (Patent Published)
57	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	01/7/2016 (Patent Published)