

PUBLISHED PATENTS from 2014 to 2021						
S.NO	Year	Total	Title of the patent	Name(s) of the inventor(s)	Patent application number	Date of published
<b>Bio Separation Technology</b>						
1	2014	1	Dendrimers - conjugates and methods thereof. Provisional Patent Application	Jisha John, Vijaya Krishna Kari, Yves Gnanou, Vijayalakshmi M.A.	3797/CHE/2012	14-March-2014
2		2	Methods for producing recombinant peptides and protein from non-filamentous fungi and recombinant host cell thereof	Vignesh Narasimhan J., Sudheer Reddy A.R., Sathesh Kumar P.K., Krishnan V., Vijayalakshmi M.A.	3777/CHE/2012	14-March-2014
<b>Automobile Engineering / Automobile Electronics</b>						
3	2014	1	Driver Assistance System For Blind Turns	K. Ganesan, Naman Jain	5311/CHE/2012	11-July-2014
4	2015	1	Safe Calls for Vehicle Riders	Ganesan Kaliyaperumal Vishnu S. Nair Jenish Abraham. V	5396/CHE/2015	14-April-2015
5		2	Imaging based automatic vehicle windshield/window tint detection system	Kaliyaperumal Ganesan, Swapnil M Parate	5580/CHE/2013	12-June-2015
6		3	Imaging Based Automatic Vehicle Windshield/Window Tint Detection System	Ganesan K, Swapnil M Parate	5581/CHE/2013	12-June-2015
7		4	Mobile usage denial system while driving vehicles	Kaliyaperumal Ganesan, Sidda Mahesh Reddy	5578/CHE/2013	12-June-2015
8		5	Detection of improper usage of clutch	Rammohan A, Kaliyaperumal Ganesan, Sree Harsha K, Navaneeth Ankam	5581/CHE/2013	12-June-2015
9		6	Dynamic Brake Force Display	Rammohan A, Ganesan K, Sree Harsha K, Navaneeth Ankam	5578/CHE/2013	12-June-2015
10		7	Dynamic Brake Force Display (Rear)	Rammohan A, Ganesan K, Sree Harsha K, Navaneeth Ankam	5577/CHE/2013	12-June-2015
11		8	Automatic Helmet detection system for two wheelers	Kaliyaperumal Ganesan, Ankit Jain Chandra Sekhar Pujari	5579/CHE/2013	12-June-2015
12	2016	1	Next Generation Remote Control	Ganesan K., Santosh K., Surya Rao T J N., Narasimha Rao K., Mahesh M B S, Balaji Gupta S., Manikanta D	2010/CHE/2013	10-June-2016
13		2	Automatic Tracking and Moving Object Following Load Carrying Locomotive	Ganesan K Gaurav Pohnu, Akanksha Parad, Mukta Jain	5575/CHE/2013	24-June-2016
14		3	Customer centric secured locker system	Kaliyaperumal Ganesan, Kanaga G	5576/CHE/2013	24-June-2016
15		4	Electronic belt for waist measurement	Kaliyaperumal Ganesan, Surya Rao T J N, Narasimha Rao Kommuri	5582/CHE/2013	24-June-2016
16		5	Intravenous Fluid Monitoring And Alerting System	Kaliyaperumal Ganesan, Shalini D	5445/CHE/2014	1-July-2016
17		6	Real Time All Weather Vision System For Clear Visibility	Kaliyaperumal Ganesan, Sayan Giri, Satyajit Bhattacharya	5444/CHE/2014	1-July-2016
18		7	Smart Bin Tracking System	Kaliyaperumal Ganesan, Sayan Giri, Satyajit Bhattacharya	5443/CHE/2014	1-July-2016
19		8	Configurable Battery Management System for Portable Devices	Subramaniam Chittur krishnaswamy, Ganesan Kaliyaperumal, Ramanathan Thiagarajan Venkateswarlu Manne, Suryanarayana Murthy Kurivella, Balaji Goalla	3288/CHE/2015	30-December-2016
20	2017	1	Safe Calls For Vehicle Riders	Ganesan K, Vishnu S Nair, Jenish V abraham	5396/CHE/2015	14-April-2017
21		2	Internet Of Things (Iot) Enabled Smart Cooking System	Ganesan K, Revathi T	5395/CHE/2015	14-April-2017
22	2018	1	A Vehicle Traction System	Subramaniam C, Ganesan K, Givith Abraham, Jaypal Chodon, Jerin Geogy George, Nithin Puthiyaveetil, Siddharth M	201641027055	9-February-2018
23		2	Automatic vehicle air conditioner load manager system and method	Ganesan K, Rammohan A R., Mathiazhagan	201841037007	30-November-2018
24		3	Energy Utilization System And Method For A Two-Wheeler	Subramaniam C K., Ganesan K, Ratayan Jeta	201741020328	14-December-2018
<b>Mechanical Engineering</b>						
25	2016	1	Ceramic coated aluminium alloy piston with new type thermal slots	Manivaman K., Chittoharth M R	2444/CHE/2014	15-January-2016
26		2	Deployable Wireless Monitoring System for Fire Crisis	Prabhu K R, Saurav Paul	2233/CHE/2014	8-January-2016
27		4	Structure to reduce noise in linear switched reluctance motor	Lenin N C; Arunmugam R	3330/CHE/2014	12-February-2016
28		3	Governor Controlled Dual Charger (Antilag turbocharger)	Venugopal Thangavel, Tapan Mujumdar Abhisek Kumar Singh	4477/CHE/2014	1-July-2016
29	2017	1	Single Axis Semi Automatic Tracking Mechanism For Solar Invention	Srinivas T	5030/CHE/2015	21-July-2017
30		2	Tri Generation Cycle	Srinivas T	5029/CHE/2015	21-July-2017
31		3	Sliding Vane Internal Combustion Engine	Kovalan S, Arun Tom Mathew	201641016649	17-November-2017
32	2018	1	A Mobile Vehicle Garage Assembly	Kshiti Bhopalkar, Arun Tom Mathew	201641034360	13-April-2018
33		2	Seat Position Adjusting Mechanism For Lifting And Shifting A Seat Of A Wheelchair	Ramakrishnan R, Saransh Chawchharia, Anirudh Parmar, Akshay Bhaskar	201841034478	2-November-2018
34		3	Hybrid Power Generator Assembly For Hybrid Generation Of Electricity	Natarajan Ramakrishna	201741016654	17-November-2018
35		4	Solar Pv Panels Assembled As A Raceway Pond For Generating Electric Power And Cultivating Algae	Natarajan Ramakrishna	201841037173	30-November-2018
36		5	Asymmetric Strain Wave Gearing System	Bikas Routh	201841005925	30-November-2018
37		1	Rotating Radiator For Improved Heat Transfer In Motor Vehicles	Abinav Shankar, Ashok, Yagnavalkya Mukkamala	201741025506	25-January-2019
38	2019	2	A novel two speed transmission gearbox for a differently abled friendly wheel chair	Ramakrishnan R, Ankit Sharma	201941009878	22-March-2019
39		3	Multi Thermocouple Technique To Nullify Radiation Error In Temperature Measurements	Vijesh V, Shrirang Ambaji	201941011055	24-March-2019
40	2020	4	Process Of Manufacturing A Ti-Based Implant With Improved Surface Properties	Revathi.A, Geetha Manivasagam, Sathya Swaroop	201941005757	9-August-2019
41		1	An Automated System For Sanitizing A Pre-Defined Vicinity	Arivazhagan Natarajan, Harsh Umang, Harshal Thikare, Madhukumar S	201941047690	3-February-2020
42		2	Walker assembly for hemiplegic patients	Arun Tom Mathew, Prahlad Rajhans	201841044742	29-May-2020
43		3	An integrated tool holder device with a multi-cooling system	Venkatesan Kannan, Devendrian Sundararajan, Arun Tom Mathew	201941005826	21-August-2020
44	4	Variable stroke volume reciprocating pump	Naman Sachdeva, Edison G, Saksham Verma, Shreyas Shanker, Bhavya Mathur	201941015369	20-October-2020	
<b>Bio Sciences and Technology</b>						
45	2016	1	Lead Nanoparticles Mediated Photo Catalytic Degradation Of Malachite Green	Selvaraj Mohana Roopan, Baskar Keerthika, Kothandan Divya	2954/CHE/2014	29-January-2016
46		2	Non-Invasive Process Of Sensing By A Prosthetic	Vishal Joshi	817/CHE/2015	21-October-2016

47	2017	1	3	Method Of Enhancing Antimicrobial Acivity Using Linear Alkylbenzene Sulphonate (LAS)	Jayaraman G, Rajiniraja M	201641009938	29-September-2017	
48	2018	1	4	A Nanobiocomposite For The Removal Of Mercury(Ii) Ions From Aqueous Solution	Devlina Das, Lina Rose Varghese, Nilanjana M	201641034054	6-April-2018	
49		2	5	A Layered Double Hydroxide (Ldh) For The Remediation Of Organophosphate Pesticides	Sahithy A K, Devlina Das, Nilanjana M	201641039253	18-May-2018	
50		3	6	A Pharmaceutical Composition For Inhibiting The Protein Kinase B (Pknb) Of Mycobacterium Tuberculosis	Sivakumar A , Jayaraman G, Pannerselvam T	201741013375	19-October-2018	
51		4	7	Stabilization Of Lyophilized Caudovirales Bacteriophages	Ramesh N, Prasanth .M	201841034247	2-November-2018	
52		5	8	Non-invasive salivary glucose estimator for estimating a concentration of glucose present in Saliva sample	Radha Saraswathy, Murugan Ezumalai	201741019077	7-December-2018	
53		6	9	Bio compisition for degrading phenylpyrazole insecticide	Jayanthi Abraham , Anugurga G,	201741020327	14-December-2018	
54	2019	1	10	Bread making process to reduce residual Bromate	Ramalingam Chidambaram, Chandan Krishnamoorthy	201941026398	29-July-2019	
55		2	11	Hybrid hydrogel dispersed low fat and heat resistant chocolate	Ramalingam Chidambaram, Florentina Priyangini Francis	201941029712	31-July-2019	
56	2020	1	12	Bioactive Compounds Against Leishmania Donovanii And Method Of Production Thereof	Veena sreedharan, Kokati Venkata Bhaskara Rao	201841043275	22-May-20	
57	2021	1	13	Rapid Sperm Genomic DNA Isolation Protocol and Kit	Parameswari R, Sridharan T.B.	201941033490	26-February-2021	
<b>Electronics Engineering</b>								
58	2016	1	1	Polymer Blend Composition With Inceasrd Weld Line Strength And Process Of Preparation Of The Same	Arungalai Vendan	4415/CHE/2014	1-July-2016	
59		2	2	Thermoplastic elastomeric blend composition with increased weld strength and quality , and process of preparation of the same	Arungalai Vendan, Chinמדurai Thangam, Senthil kumar K	1071/CHE/2015	9-September-2016	
60	2017	1	3	Automated Gender Separation System For Separating A Gender Of Cocoons	Alex Noel Joseph, Vijayalakshmi G, Rahul Kalyan, Karthikeyan B	201641005930	25-August-2017	
<b>Electrical Engineering</b>								
61	2018	1	1	Internet Of Things (Iot) Based Thin Film Biosensor To Detect Uric Acid	Vivekanandan S, Parthasarathy,P	201841019379	29-November-2019	
62	2019	1	2	Current Fed Fuel Cell Powered High Voltage Charging Circuit For Electric Vehicles	Elangovan D, Peter K Joseeph, Thundil Karupraj	201941048472	13-December-2019	
63	2021	1	3	Internet Of Things (Iot) Based Fuel Meter	Kaliyaperumal Ganesan, R. Karthik, Rammohan. A	201941034933	5-March-2021	
<b>Advanced Sciences (Physics &amp; Chemistry)</b>								
64	2014	1	1	Automatic Steering Using Ultra Capacitor	Saravanakumar R & Nurul Hasan	4597/CHE/2014	10-October-2014	
65	2016	1	2	Method For Improving Compressive Residual Stress And Hardness In AISI 321 Stainless Steel Using LASER Peening	Kalainathan S, Karthik D, Sathya Swaroop N R	1365/CHE/2015	30-September-2016	
66		2	3	Method For Improving Surface Mechanical Properties In 17-4 Ph Stainless Steel Using Laser Peening	Kalainathan S, Karthik D, Sathya Swaroop N R	1364/CHE/2015	30-September-2016	
67	2017	1	4	Optimized Method For Manufacturing Automotive Spring Steel With Enhanced Fatigue Properties	Kalainathan S, Prabhakaran S	201641006199	25-August-2017	
68		2	5	Process For Treating Material Surfaces Using Warm Laser Shock Peening Without A Coating	Kalainathan S, Prabhakaran S	201641006200	25-August-2017	
69	2018	1	6	Stable Formulation Development For Nitroglycerin Sublingual Tablets By Direct Compression Technique With Povidone And Croscarmellose	Sangeetha Dhanaraj, Manoj kumar V	201641022805	26-January-2018	
70		2	7	Fluorescence "Turn-On" And "Naked Eye" Detection Of Aromatic Primary Amines By Tetrahydroindeno[1,2-b]phenanthridine-5-Yl Phenols- Reactivity Based Approach	Sathiyarayanan Kulathu Iyer, Umamahesh B	201641022804	26-January-2018	
71	2018	3	8	Removal Of Dyes From Effluents In Absence And Presence Of Light Employing A Novel Nanocomposite	Rajagopalan Vijayaraghavan, Lakshmi Prasanna Vaddadi	201641024032	19-January-2018	
72		4	9	Process For Severe Laser Shock Peening Using Low Energy Nd: Yag Laser	Kalainathan S, Prabhakaran S	201641031003	16-March-2018	
73		5	10	Method Of Extracting Bioactive Compounds With Antidiabetic And Anticancer Activity From Pods Of Pissalathium Dulce	Mary Saral A, Preethi S	201741034217	2-November-2018	
74		6	11	organoruthenium based phototoxic cancer cell markers and methods of preparation and use	Priyankar Paira ,Anuja Plavuvalapil Kumaran , Lavanya Thilak Babu Ashaparna Mondal	201741020410	14-December-2018	
75	2021	1	12	Process Of Preparing 2-Dimensional (2d) Molybdenum Carbide (Mo2C)	Ravuri Syamsi, A. Nirmala Grace	201941025485	1-January-2021	
76		2	13	Formulation and method of preparation of a bi-layer tablet for enhancing bioavailability of atorvastatin	S R Suseem, Dhanish Joseeph	201941033022	19-February-2021	
77		3	14	Photonic Crystal Based Optical Logic Gates That Employs An Optical Kerr Effect	Renju Rajan, K. Senthilnathan, P. Ramesh Babu	201941034122	26-February-2021	
<b>Civil Engineering</b>								
78	2016	1	1	Development of Eco-Bacterial Lime Mortar Using Kadukai And Jaggery	Sekar S K, Ravi.R, Thirumalini	4631/CHE/2014	1-July-2016	
<b>Nano Biotechnology</b>								
79	2018	1	1	Process For Detection Of Homocysteine In A Urine Sample Using Gold Nanoparticles Laden Detection Strip	Amitava Mukherjee, Chandrasekaran N, Abhinav Parashar	201741007445	6-April-2018	
80		2	2	Process For Scaling Up Of The Synthesis Of Zero Valent Iron Nanoparticles (nZVI)	Amitava Mukherjee, Chandrasekaran N, Mrudula P, Deepak Kumar, Konda Venkata Giri R	201741007444	6-April-2018	
81		3	3	Process Of Synthesing Nano Zero Valent Iron-Calcium Alginate Beads For Removal Of Dye From Effluent	Amitava Mukherjee, Chandrasekaran N, Mrudula P, Konda Venkata Giri R	201741005011	6-April-2018	
82		4	4	Method For Detection Of A Warfare Agent Using Immobilised Acetylcholinesterase Enzyme In A Glass Substrate	Amitava Mukherjee, Chandrasekaran N, Dashanada Nanda Kumar	201741005012	8-June-2018	
83		5	5	Antibacterial Composition Effective Against Aeromonas Salmonicida Infection In Aquaculture	John Thomas, Chandrasekaran N, Amitava Mukherjee, Thangaivel S	201741002439	27-July-2018	
84		6	6	Seaweed Polysaccharide Nanoparticle And A Method Of Preparing The Same	Chandrasekaran N, Amitava Mukherjee, Jayakumar K, Saghya Infant Shofia B	201741003682	3-August-2018	
85		7	7	An Anti-Cancer Formulation Comprising Orange Oil Nanoemulsion	Chandrasekaran N, Amitava Mukherjee, Jayakumar K, Saghya Infant Shofia B	201741004832	17-August-2018	
86		8	8	Formulation Comprising Lemongrass Oil With Anti Bacterial Properties	Chandrasekaran N, Amitava Mukherjee, Andrew Ebenazer L	201741005874	24-August-2018	
87		2019	1	9	Gold Nano Particle Immobilised Glass Substrate To Detect Melamine And The Method Of Detection	Amitava Mukherjee, Chandrasekaran, Ida Evangeline Paul	201741027740	11-January-2019
88		2020	1	10	In-situ synthesis of bimetallic nZVI-sand (Cu/Pd as dopant) using fruit peel extract and its application for tetracycline removal	Amitava Mukherjee, Natarajan Chandrasekaran, Konda Venkata Giri Ravi Kumar, Geetha Gopal	201941052328	3-January-2020

89	2020	2	11	A Bimetallic Nano-Zerovalent Iron Nanoparticle Coated Quartz Sand And Method Of In-Situ Synthesis Thereof	Amitava Mukherjee, Chandrasekaran N, Konda Venkata Giri Ravi Kumar, Geetha gopal	201941052328	3-February-2020
90		3	12	Method Of Preparing A Eugenol-Based Antibiotic Formulation For Treating Vancomycin Resistant Staphylococcus Aureus Infection	Chandrasekaran N, Amitava Mukherjee, Jonathan Sampath Franklyne	201841041224	1-May-2020
91	2021	1	13	Silver Nanoparticle Based Biosensor For Detection Of Target Nucleic Acid Of Serotype Specific Dengue Virus	N.Chandrasekaran, Amitava Mukherjee, Saranya.V	201941055852	12-March-2021
92		2	14	Adapter For Fluorescence Imaging	Jitendra Satija, Sangeeta Yadav, S. Manoj Kumaran	201941042478A	23-April-2021