

**Department of Chemical Engineering
Ph.D Completed Details**

								14-10-2022
S.No	Name of the Scholar	Register Number	Full Time / Part Time	Date of Registration	Date of Viva Voce	Physical / Online	Name of the Guide	Topic
2014-2015								
1	Seenuvasan M	2011175009	Part Time	19-07-2011	31-10-2014	Physical	Dr. K. Sathish Kumar	Fabrication analysis and application of pectin degrading pectinase bound nanobiocatalyst using magnetic nanoparticles as a cleaner
2015-2016								
2	Kumar D	2011176027	Part Time	19-07-2011	11-12-2015	Physical	Dr.V.Jaikumar	UV - Curable Polymer: Synthesis, Characterization and Kinetic Study
3	Madhusudhanan J	2011176081	Part Time	19-07-2011	18-12-2015	Physical	Dr. K. Sathish Kumar	Carrier - Based Drug Delivery Using Folate-Modified Polymer- Based Gold Nanoparticle and Plasmid DNA in Cancer Treatment
4	Anitha T	2011175001	Part Time	19-07-2011	11-01-2016	Physical	Dr. K. Sathish Kumar	Biosorption of Dyes and Heavy Metal Ions onto Nanosized Chitosan Blended Polymers
2016-2017								
5	Pearlin Kiruba U	1324199138	Full Time	27-12-2012	11-08-2016	Physical	Dr. P. Senthil Kumar	Adsorption of toxic ion metals onto surface modified agriculture waste
6	Karthiga Devi G	1323599720	Full Time	13-06-2013	10-04-2017	Physical	Dr. K. Sathish Kumar	An insight study on mukia maderaspatna (L) M Roem: Synthesis, characterization and applications of noble nanomaterials
7	Saravanan A	1514599175	Full Time	09-01-2015	05-05-2017	Physical	Dr. P. Senthil Kumar	Surface modified agro waste biomass with enhanced adsorption properties for heavy metal removal an ecofriendly approach
8	Jothirani R	2011116023	Part Time	01-02-2011	23-06-2017	Physical	Dr. P. Senthil Kumar	Adsorption of basic dyes onto ultrasonic modified agricultural waste
2017-2018								
9	Shekar P	1314599129	Full Time	26-12-2012	06-07-2017	Physical	Dr. K. Sathish Kumar	Isolation and characterization of bioactive metabolites from streptomyces aburaviensis SFA5 effective against multi drug resistant pathogens
10	Kumaresan C	2011S6011004	Full Time	29-10-2011	27-02-2018	Physical	Dr. K. Sathish Kumar	Development of novel sustained release orally inhalable formulation for effective treatment of respiratory diseases.
2018-2019								
11	Arumugam T	1413599712	Full Time	10-07-2014	10-07-2018	Physical	Dr. P. Senthil Kumar	Isolation and Characterization of actinobacteria effective against multidrug resistant pathogens and their bioactive metabolites
12	Chitra B	1223599707	Part Time	01-08-2012	03-12-2018	Physical	Dr.K.Sathish Kumar	Experimental Investigation and optimization of thermophysical properties for stable hybrid nanofluids . A competent approach to enhance heat transfer.
13	Suganya S	1624599101	Full Time	13-01-2016	12-12-2018	Physical	Dr.P.Senthil Kumar	Carbon Based Hybrid NanoComposites for the Redemption of Wastewater Pollutants.
14	Balaji N	1212599724	Part Time	31-07-2012	12-12-2018	Physical	Dr.K.Sathish Kumar	An approach to Enhancement of Dye Degrading, Activity of Laccase Produced by Solid State Fermentation through its Immobilization on Chitosan Coated Magnetic Nanoparticles.
15	Sivakumar T	1313599706	Part Time	13-06-2013	06-03-2019	Physical	Dr.P.Senthil Kumar	Wastewater treatment using algae and utilization of grown biomass for Bioethanol production.
2019-2020								

Thesis

16	Manikandan G	1314599708	Part Time	13-06-2013	05-08-2019	Physical	Dr.P.Senthil Kumar	Modelling and analysis on the adsorptive removal of basic dyes from aqueous solution using surface modified agricultural waste
17	Sivaranjani G	1324499710	Full Time	19-06-2013	15-10-2019	Physical	Dr.P.Senthil Kumar	Application of Digital Image Processing in Water Monitoring: Analysis of Water Quality and Algae Species
18	Arun J	16145997169	Full Time	19-07-2016	10-02-2020	Physical	Dr.K.P.Gopinath	Liquid Hydrocarbon Production From Microalgal Biomass Cultivated From Wastewater
19	Yaashikaa P R	17245991142	Full Time	27-12-2016	09-03-2020	Physical	Dr.P.Senthil Kumar	Molecular Characterization and Potential Application of Selected Metal Resistant Bacteria with Agro Waste Material for Heavy metal Removal
20	Subashini S	16237997138	Full Time	30-06-2016	10-06-2020	Online - Zoom	Dr.K.Sathish Kumar	Isolation and Physicochemical Characterization of Calcium Oxalate Crystals from Edible Plants
21	Irshad Ahamed M	1418599118	Part Time	11-12-2013	11-06-2020	Online - Zoom	Dr.K.Sathish Kumar	Studies on Cu ₂ SnS ₃ and PbSe _x S _{1-x} Quantum dots for Optoelectronic applications.
22	Carlin Geor Malar G	1524599763	Part Time	07-07-2015	11-06-2020	Online - Zoom	Dr.K.Sathish Kumar	Surface Modification to Overcome Diffusion Limitations. A Study in Urease immobilized Magnetite Nanoparticles
2020-2021								
23	Gunasundari E	1524599772	Full Time	11-07-2015	20-07-2020	Online - Zoom	Dr.P.Senthil Kumar	Bioremediation of Toxic Pollutants by Algal Biomass
24	Manonmani M	2011176036	Full Time	11-07-2011	12-08-2020	Online - Zoom	Dr.V.Jaikumar	Investigations on the Structural Chemical and Thermodynamical Analysis of Nanostructured Multiferroic Bismuth Ferrite and Lithium Manganese Phosphate
25	Gayathri R	16241997101	Part Time	06-06-2016	23-11-2020	Online - Zoom	Dr.K.P.Gopinath	Adsorptive Separation of Toxic Metals from Aquatic System using Biochar Produced from Agro Waste.
26	Hemavathy R V	16245997158	Part Time	29-06-2016	29-12-2020	Online - Zoom	Dr.P.Senthil Kumar	Adsorptive Investigation on Heavy Metal Removal from Aqueous Solution using Surface Treated Cassia Fistula Seeds.
27	Sundar Rajan P	17135991106	Full Time	21-12-2016	30-12-2020	Online - Zoom	Dr.K.P.Gopinath	Valorization of Product Streams Generated from Hydrothermal Liquefaction of Carbon Enriched Algal Biomass via Integrated System
28	Gayathri P K	1324599710	Full Time	13-06-2013	09-02-2021	Online - Google Meet	Dr.K.Sathish Kumar	Smart PH sensitive swertiamarin loaded nano formulation
29	Gnanasekaran R	17145991151	Part Time	25-01-2017	30-06-2021	Online - Zoom	Dr.D.Balaji	Biosynthesis of Itaconic Acid from Blended Algal Biomass Hydrolysate and Glycerol using Aspergillus Niveus.
2021-2022								
30	Eswari Devi	17241991119	Full Time	31-12-2016	20-07-2021	Online - Zoom	Dr.R.Parthiban	Hydrothermal Liquefaction of Microalage Biomass Grown in wastewaer for Bio Energy Perspectives
31	Sudha G	1424599729	Part Time	18-06-2014	22-07-2021	Online - Zoom	Dr.R.Parthiban	Experimental and Simulation Studies on Hybrid Nanocoolant for Heat Tranfer Enhancement in Micro Channel Heat Sink
32	Arthi R	1629599143	Full Time	12-02-2016	28-07-2021	Online - Zoom	Dr.V.Jaikumar	Development, Characterization and Comparative Performance Analysis of Electrospun Poly (Vinylidene Fluoride) Separator Membrane Doped with TiO ₂ and SiO ₂ Nanoparticles for Supercapacitor Applications
33	Sivakumar D	1414199729	Part Time	16-06-2014	12-10-2021	Online - Zoom	Dr.R.Parthiban	Studies on enhanced adsorption of basic dyes using surface modified delonix regis seeds by combined chemical activation and ultrasonication
34	Balachandran S	1312529112	Full Time	26-12-2012	20-10-2021	Online - Google Meet	Dr.D.Gnanaprakash	Hydrotropic Solubilization and Extraction of Bioactive Compounds

35	Grace Pavithra K	17245997108	Full Time	20-07-2017	21-10-2021	Online - Google Meet	Dr.V.Jaikumar	Electrochemical Removal of Toxic Pollutants from Aquatic system using three phase three dimensional electrode system	
36	Naveen S	17142991307	Full Time	13-01-2017	23-11-2021	Online - Google Meet	Dr.K.P.Gopinath	Design and Feasibility studies on solar intensified biodiesel production process	06-05-2021
37	Gopirajan PV	1514499744	Part Time	24-06-2015	23-11-2021	Online - Google Meet	Dr.K.P.Gopinath	Application of Machine Learning in Optimizatio of Thermochemical Conversion of Waster Biomass	06-05-2021
38	Femina Carolin C	17245991107	Full Time	21-12-2016	08-12-2021	Online - Zoom Meet	Dr.P.Senthil Kumar	Sustainable Technique for the Stimulation of Selected Aromatic Amine Remediation using Lipopeptide Biosurfactant	
39	Achsah R S	16245997138	Full Time	29-06-2016	16-12-2021	Online - Zoom Meet	Dr.R.Anantharaj	Efficient Esterification of n-Butanol with acetic acid using Green Solvents	
40	Vivek MS	18195997102	Full Time	06-06-2018	16-12-2021	Online - Zoom Meet	Dr.R.Anantharaj	Experiment and Quantum Chemical Calculation for the Removal of Water Pollutants using Ionic Liquids and Deep Eutectic Solvent	
41	Senthil Rathi B	18245997126	Part Time	18-02-2019	31-01-2022	Online - Zoom Meet	Dr.P.Senthil Kumar	Removal of Toxic Arsenic From Aqueous Solution Using Electrodeionization Technique	
42	Muthumari P	17245997151	Full Time	24-07-2017	10-06-2022	Online - Zoom Meet	Dr.J.Dhanalakshmi	Experimental Study of CO2 Absorption and Solvent Regeneration using Aqueous Monoehnanolamine Blended with Ammonium Based Ionic Liquids	
	2022-2023								
43	Shabnam Murshid	16295997170	Full Time	08-07-2016	11-07-2022	Online - Zoom Meet	Dr.D.Gnanaprakash	Study on Microbial Degradation of Pharamaceutical Wastewater	
44	Bogeshwaran K	18135991122	Full Time	19-12-2017	10-08-2022	Physical	Dr.K.Sathish Kumar	Removal of Organic Dyes using Nano-Graphene Exfoliated from Waste Batteries	
45	Janet Joshiba G	17245991108	Full Time	23-01-2017	12-08-2022	Online - Zoom Meet	Dr.P.Senthil Kumar	Reclamation of Harmful Pollutants from Aqueous Solution using Hybrid Magnetic Nano Composites.	
46	Nilavukkarasi R K	17247697211	Full Time	29-06-2017	10-10-2022	Online - Zoom Meet	Dr.B.Ambedkar	Megasonics Assisted Carbon Rich Solvent regeneration in Solvent Based Post Combustion CO2 Capture Process (PCCC)	
47	Sharmila Devi N	1623599127	Full Time	12-02-2016	28-10-2022	Physical	Dr.K.P.Gopinath	Assessment of Various Pretreatment Method on Production of Bioethanol Followed By Liquefaction of Post - Hydrolysis Residue.	21-01-2022
48	Rajagopal J	1614599153	Full Time	09-02-2016	28-10-2022	Physical	Dr.K.P.Gopinath	Optimization of Hydrothermal Gasification and Liquefaction of Household Waste into Hydrogen	21-01-2022
49	Prasannamedha G	19241991126	Full Time	26-12-2018	07-03-2023	Physical	Dr.P.Senthil Kumar	Eradication of Pharmaceutical Contaminant from Water Using Carbon Based Magnetic Spheres - A Sustainable Approach	
50	Rajkumar R	16145997125	Part Time	01-07-2016	18-05-2023	Physical	Dr.D.Gnanaprakash	Polythiophene Modified Carbon Cloth as Anode in Microbial Fuel Cell for Heavy Metal Removal	
	2023-2024								
51	Dhanya V	18245997109	Full Time	15-06-2018	02-08-2023	Physical	Dr.D.Balaji	Synthesis of Silica Coated Amino Functionalized Superparamagnetic Nanomaterial Integrated with the Plant Extracts for the Removal of Metal Ions	
52	Santhosh K	17135991150	Full Time	09-01-2017	21-09-2023	Physical	Dr.D.Balaji	Bio Leaching of Heavy Metals from Waste Printed Circuit Board using Organic Acids Produced by Mixed Fungal Species	
53	Abhinaya M	19251997164	Full Time	10-10-2019	18-10-2023	Physical	Dr.R.Parthiban	Studies on the role of Biochar, Granite Dust and polyacrylamide as partial cement replacers in previous concrete properties.	