

Department of Chemical Engineering
SSN College of Engineering, Chennai

List of Faculty Internally Funded Project Details

S.No.	Principal Investigator	Project Title	Sponsored Agency	Sanctioned Year	Amount (Rs.) and Years	Completed / On Going
1	Dr.K.Sathish Kumar (PI) Dr.K.Ramakrishnan (Co - PI)	Synthesis of metal nanoparticles for drug delivery applications	SSN Trust	04-01-2010	8.25 Lakhs Duration: 2 years	Completed
2	Mrs.R.Pushpalatha	Preparations of Magnetic nanoparticles in silica matrix	SSN Trust	09-07-2010	5 Lakhs Duration: 2 Years	Completed
3	Dr.P.Senthil Kumar (PI) Dr.K.Sathish Kumar (Co - PI)	Rapid Removal of Heavy metal Ions from water / Waste water using newly prepared low - cost adsorbent	SSN Trust	30-12-2011	8.5 lakhs Duration: 2 Years	Completed
4	Dr. D. Gnana Prakash (PI)	Hydrotropic Extraction of Bioactive Compounds using Ultrasonication	SSN Trust	28-12-2012	8.5 Lakhs Duration: 2 Years	Completed
5	Dr.P.Senthil Kumar (PI)	Novel photocatalytic reactor for the treatment of industrial effluents	SSN Trust	09-11-2013	2.5 Lakhs Duration: 3 Years	Completed
6	Dr.C.Ravikumar (PI) Mrs.B.Chitra (Co - PI)	Experimental Investigation of heat transfer enhancement using stable nanofluids as coolant for automobile radiators	SSN Trust	16-10-2014	5.50 Lakhs Duration: 3 Years	Completed
7	Dr.K.P.Gopinath	Feasibility Studies on Biodiesel Production from macro and Micro algae isolated from	SSN Trust	09.11.2013	2.5 Lakhs Duration: 2 Years	Completed

		various water bodies				
8	Dr.J.Dhanalakshmi (PI) Dr.B.Ambedkar (Co - PI)	Potential applications of ionic liquids in reducing CO ₂ capture process energy demand	SSN Trust	28-09-2015	4 Lakhs Duration: 3 Years	In Progress
9	Dr.D.Balaji (PI) Dr.D.Gnanaprakash(Co - PI)	Design and development of bio colorimeter for in line monitoring and control of bio process system for enhanced production of enzymes	SSN Trust	06-10-2016	4.55 Lakhs Duration: 3 Years	In Progress
10	Dr.R.Anantharaj (PI) Dr.B.Ambedkar (Co - PI)	Desulphurization of diesel oil using ionic liquids with quantum chemical prediction and validation	SSN Trust	06-10-2016	3.30 Lakhs Duration: 3 Years	In Progress
11	Dr. P. Senthil Kumar (PI) Dr.K.P. Gopinath (Co - PI)	A newly designed plate and frame type electrochemical ion exchange system for the removal and recovery of toxic arsenic from aquatic environment	SSN Trust	24-10-2017	4.50 Lakhs Duration: 3 Years	In Progress
12	Dr.B.Ambedkar (PI) Dr.J.Dhanalakshmi (Co - PI)	Microwave assisted carbon rich solvent vacuum regeneration: continuous process	SSN Trust	24-10-2017	4.00 Lakhs Duration: 2 Years	In Progress