

**Department of Chemical Engineering**  
**SSN College of Engineering, Chennai**

**List of Faculty Externally Funded Project Details**

<b>S.No.</b>	<b>Principal Investigator</b>	<b>Project Title</b>	<b>Sponsored Agency</b>	<b>Sanctioned Year</b>	<b>Amount (Rs.) and Years</b>	<b>Completed / On Going</b>
1	Dr. R. Anantharaj (PI)	Solvent screening, synthesis, characterization and application of potential solvent for removal of endocrine disrupts chemicals from water matrices	DST - SERB	09-11-2015	19.47 Lakhs Duration: 3 Years	In Progress
2	Dr.B.Ambedkar (PI)	Potential applications of mega -sonics (high frequency untrasound) in CO <sub>2</sub> capture solvents regeneration: an initial approach	DST - SERB	08-12-2016	21.36 Lakhs Duration: 3 Years	In Progress
3	Dr.J.Dhanalakshmi (PI)	Potential applications of Ionic liquids in CO <sub>2</sub> capture process for sustainable energy and environment	DST - SERB	11-01-2017	26.52 Lakhs Duration: 3 Years	In Progress

**List of Projects are in Under Review in External Funding Agencies**

<b>PI/Co-PI</b>	<b>Title of the project</b>	<b>Funding Agency</b>	<b>Budget proposed</b>	<b>Duration</b>	<b>Reference from the funding agency</b>
Dr.V. Jaikumar <b>(PI)</b> Dr.D.Balaji (Co-PI) Dr.K.Jagannathan (Co-PI)	Photocrosslinkable Acrylated Prepolymers : Synthesis, Characterization and Kinetic Study	CSIR	Rs. 14.9 Lakhs	3 Years	6537/NS-EMRII
Dr. P. Senthil Kumar <b>(PI)</b>	Development and Investigations of Nanocarriers to Detoxify the Impact of Cadmium from Agro-soil towards the Leafy Vegetables	DST	Rs. 12.826 Lakhs	3 Years	ECR/2017/001765/ES
Dr. P. Senthil Kumar <b>(PI)</b> Dr. V.S. Gayathri <b>(Co-PI)</b> Mr. S. K. Sahoo (PC) Dr. K. Sivasubramaniam (PC)	Development and Investigations of Nanocarriers to Detoxify the Impact of Cadmium from Agro-soil towards the Leafy Vegetables	BRNS	Rs. 28 Lakhs	3 Years	2018013606RP04782-BRNS
Dr. V. Sivasubramanian (PI) Dr. P. Senthil Kumar <b>(Co-PI)</b> Dr. A. Annam Renita (Co-PI) Dr. M Masilamani Selvam (Co-PI)	Development of anti-fouling additive in paints for marine structures using plant-chitosan nano-formulation	DST	69.53468 Lakhs	3 Years	DST/NM/NT/2018/13