

**Department of Chemical Engineering**  
**RV College of Engineering**  
**Funded Projects**

Sl No	Name of the Project	Name of the Faculty	Role	Year of Award	Funding Agency	Funds provided	Duration of the project	Status
1	Development of geopolymer composites for enhanced mechanical properties and to subside air pollution by the addition of nano particles with emphasis on achieving content uniformity	Dr. Ujwal Shreena g Meda	Co-PI	2017-2018	Nano Mission - Department of Science and Technology	70,03,400/-	36 months	Ongoing
2	Financial sanction under Teachers Associateship for Research Excellence (TARE)	Mrs. Anupama V Joshi	Research Scholar	2018-2019	SERB	18,30,000/-	36 months	Ongoing
3	Carbon based nano composite mixed matrix membranes for desalination	Ms. Kavitha. J (Guide: Dr. Rajalakshmi M)	PI	2017-2018	Department of Science and Technology	24,10,000/-	36 months	Ongoing
4	Enabling investigations for high efficiency Nano crystalline a-Si:H HIT solar cells	Dr. Suresh R	PI	2017-2018	Department of Science and Technology	55,64,240/-	36 months	Completed
5	Spatial distribution of uranium and associated water quality parameters in Bangalore, Bangalore	Dr. Rajalakshmi M	PI	2016-17	Board of Research in Nuclear Science and Department of Atomic Energy	26,97,300/-	24 months	Completed

	rural, Ramanagara, Chikkaballapur and kolar district in Karnataka							
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### Funded Projects Carried Out

Project Title	Funding Agency	Grant (Rs.)	PI, Co-PI(s)	Start	End
Transesterification of Pongamia oil using ionic liquids	Karnataka State Council for Science and Technology	9,000	Dr. Rajalakshmi M	2015	2015
Transesterification of Pongamia oil using solid catalysts	Karnataka State Council for Science and Technology	5,000	Dr. Rajalakshmi M	2014	2014
Development of Nano material and optically enabled front surface and back contact tailored enhanced efficiency amorphous silicon solar cells	Department of Science and Technology	4,88,67,400	Dr.B.S.Satyanarayana Dr.R.Suresh	2012	2016
Catalytic Cracking of Plastic Waste to Fuel Oil	Karnataka State Pollution Board	40,000	D. Ranganath	2011	2012
Feasibility Studies on application of various biomasses in the existing 100kW biomass plant at RVCE	GE India Ltd	1,55,000	Dr. R. Suresh	2011	completed
Development of carbon tube based vacuum nanoelectronic (field assisted electron emitters) X ray sources for making compact, low power, hand held X ray system	VTU Research Grants	13,47,000	Dr. B.S. Satyanarayana, Dr. R. Suresh	2011	completed
Fabrication and characterization of fiber metal laminates for gun barrel application using filament winding method	Armament Research Board, DRDO, New Delhi	10,00,000	Dr. R. Suresh	2010	2011
Design and Synthesis of metal based sensitizers for nanocrystalline TiO <sub>2</sub> Solar cells	Naval Research Board, DRDO, New Delhi	10,00,000	Dr. R. Suresh	2010	2011
Heat and Mass Transfer studies on Electroless gold plating bath	LRDE, DRDO	4,50,000	Dr. R. Suresh	2010	2011
Permeability and filtration studies on ceramic filters	CTI-BHEL	8,50,000	Dr. R. Suresh	2008	2010