

Department of Chemistry  
Research Projects carried out in the Department

S.No.	Faculty Name	Title of the Project	Duration	Type of the Project	Name of the Funding Agency	Amount Sanctioned	Any JRF /SRF/staff appointed in this project
1.	Dr.P.Lalitha Dr Shubashini K.Sripathi	Foe turns friend - Isolation of commercially useful organic compounds from water hyacinth	3 years (June 2009- June 2012)	Major Project	DRDO - Life Sciences Research Board	Rs.15.44 Lakhs	1 Project Staff
2.	Dr.R.Shyamala Dr R.Saratha	Corrosion behaviour of a few industrial metals in selected biodiesels	2 years 16.7.2011 to 15.7.2013	Major Project	DST-TDB	Rs.31 Lakhs	2 Project Staff
3.	Dr.Shubashini K.Sripathi Dr P.Lalitha	Harnessing herbal potential of <i>Pisonia grandis</i> in Development of Medical Textiles	2 years 12.07.2013 to 12.07.2015	Major Project	DST	Rs.19.72 Lakhs	2 Project Staff
4.	Dr.P.Lalitha	Biogenic synthesis of graphene nanoparticles and study on its antiproliferative potential against MCF-7 cell lines	2016-2017 6 Months	Minor Project	UGC	Rs.20,000/-	-
5.	Dr.V.Sharulatha	Microwave assisted synthesis of Pyrido[1,2-a]pyrimidine-4-ones	2016 -2017 6 Months	Minor Project	UGC	Rs.20,000/-	-
6.	Dr. J. Thamarai Selvi	Cellulose acetate blend green membrane preparation and its analytical application	2017-2018 6 Months	Minor Project	UGC	Rs.15,000/-	-
7.	Dr. A.Prithiba	Utilisation of agricultural wastes- Sesame oil cake and pearl millet hulls for the synthesis of mesoporous silicates	2017-2018 6 Months	Minor Project	UGC	Rs.15,000/-	-
8.	Dr. M. Amutha Selvi	Metal Inorganic Frameworks Based on Nitrogen Heterocycles: Synthesis and Characterization	2017-2018 6 Months	Minor Project	UGC	Rs.15,000/-	-
9.	Dr.M.Gowri	Synthesis,Spectral,Antifungal,Antibacterial and Anticancer Studies of Copper II, Nickel II and Cobalt II Complexes of Antipyrine and O-vanillin/Salicylaldehyde Schiff's bases	2019-2020 6 Months	Minor Project	UGC	Rs.30,000/-	-

10.	Mentor Dr.P.Lalitha	Computing Stable Structures, Properties, Energy of Configuration of selected Organo Sulphur Compounds using Computational Software for arriving at broad Spectrum Antibiotics	2019-20	Minor Project	DST CURIE AI	Rs.14,000/-	1 Research Scholar
11.	Mentor Dr.P.Lalitha	Targeted Therapeutic Design exploiting Artificial Intelligence	2019-20	Minor Project	DST CURIE AI	Rs 19,000/-	1 Research Scholar