

Criterion – III Research, Innovations and Extension

3.2 Resource Mobilization for Research

3.2.4 Dept wise list of research projects

SSR Cycle – 3



Since 1881

THE AMERICAN COLLEGE, MADURAI - 625002
(An Autonomous Institution affiliated to Madurai Kamaraj University)

S.No	Department of Principal Investigator/ Co Investigator	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Project/ Endowments, Chairs	Name of the Funding agency
2019-2020				
1	Physics	Dr.S.Stephen Rajkumar Inbanathan	Synthesis, structure and properties of Graphene-metal oxide composite for dye degradation	University Grants Commission-DAE Consortium for scientific research
2	Physics	Dr.S.Stephen Rajkumar Inbanathan	Synthesis, structure and properties of Graphene nanosheets with semiconductors	University Grants Commission-DAE Consortium for scientific research
3	Physics	Dr.M.Beaula Ruby kamalam PI, Dr.S.Stephen Rajkumar Inbanathan , CoPI	Enhancing the Super capacitor Performance in Graphene and Graphene oxide/Transition metal oxide nanocomposites	Tamil Nadu State Council for Science and Technology (TNSCST)
4	Chemistry	Dr.K.John Adaikalasamy	Inspire Science Internship Grant	Department of Science and Technology, Ministry of Science and Technology
5	Chemistry	Dr.C.Dorothy Sheela	Student Project-grant	Tamil Nadu State Council for Science and Technology (TNSCST)
6	Chemistry	Dr.K.Karthik Kumar	Synthetic Explorations with Baylis Hilman Adducts : asymmetric synthetics of Cyclopentenoids .	Department of Science and Technology - SREB - YSS
7	Zoology	Dr.T.Angeline	Student Project-grant	Tamil Nadu State Council for Science and Technology (TNSCST)
8	Zoology	Dr.E.Joy Sharmila	Study on the diversity of butterflies of Sirumalai hills Eastern Ghats Tamil Nadu	Tamil Nadu State Council for Science and Technology (TNSCST)

9	Zoology, Botany, Physics Chemistry	The American college	DST -FIST Grant	Department of Science and Technology - FIST
10	Zoology, Botany, Physics Chemistry	The American college	Star College Grant	Department of Science and Technology
11	Visual Communication	Dr.T.Shylaja	Investigations on social media and their impacts on personal - social and academic domains of urban based student community	University Grants Commission
2018-2019				
1	Economics	Dr.R.Albert Christober Dhas	Functional Performance and prospects of small business enterprises	University Grants Commission
2	Economics	Dr.J.Jebaraj	Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements	University Grants Commission
3	Mathametics	Dr.M.Davamani Christober	Travel Grant received from Ugc for Research paper presentation	University Grants Commission
4	Physics	Ms.Brindha	Ministry of science & Technology Department of science & Technology - SR/ wos - A/PM - 1036/2015 (G)	Department of Science and Technology - WOS
5	Physics	Dr.D.David Jebaraj	Dynamic nuclear polarization of ² H- substituted nitroxyl spin probes used in Overhauser -	University Grants Commission
6	Physics	Dr.P.Richard Rajkumar	Analysis of structural - mechanical and corrosion properties of zinc/zinc oxide	University Grants Commission

			thin films- sputter deposited on steel substrates for anti corrosion applications	
7	Physics	Dr.A.Robson Benjamin	Automation of KIPP's double monochromator using universal test and measurement class interface	University Grants Commission
8	Chemistry	Dr.K.Karthik Kumar	Synthetic Explorations with Baylis Hilman Adducts : asymmetric synthetics of Cyclopentenoids .	Department of Science and Technology - SREB - YSS
9	Zoology, Botany, Physics Chemistry	The American college	DST -FIST Grant	Department of Science and Technology - FIST
10	Zoology, Botany, Physics Chemistry	The American college	Star College Grant	Department of Science and Technology
11	Visual Communication	Dr.T.Shylaja	Investigations on social media and their impacts on personal - social and academic domains of urban based student community	University Grants Commission
	2017-2018			
1	Tamil	Dr.U.Balasubramanian	Evaluation of the history of Tamil Literature	University Grants Commission
2	Tamil	Dr.A.Boomi Selvam	Preparing a dictionary of slang and colloquial terms of Technology region	University Grants Commission
3	Economics	Dr.R.Albert Christoher Dhas	Functional Performance and prospects of small business enterprises	University Grants Commission
4	Economics	Dr.J.Jebaraj	Economic appraisal	University Grants

			on atmospheric pollution - health of urban residents and medical disbursements	Commission
5	Religion Philosophy and Sociology	Dr.Rev.Arul Arasu Israel	Indian council of philosophical research	Indian Council For Cultural Relations
6	Mathematics	Dr.A.Amutha	Superstrongly perfect graph	Ministry of Higher Education and Scientific Research (Algeria)
7	Physics	Dr.R.Daphine	Content Attainment Through Computer Adaptive Testing (CAT) Can Overcome the Barriers Like Locality of the Institution	University Grants Commission
8	Physics	Dr.D.David Jebaraj	Dynamic nuclear polarization of 2H- substituted nitroxyl spin probes used in Overhauser -	University Grants Commission
9	Physics	Dr.P.Richard Rajkumar	Analysis of structural - mechanical and corrosion properties of zinc/zinc oxide thin films- sputter deposited on steel substrates for anti corrosion applications	University Grants Commission
10	Physics	Dr.A.Robson Benjamin	Automation of KIPP's double monochromator using universal test and measurement class interface	University Grants Commission
11	Physics	Ms.Brindha	Ministry of science & Technology Department of science & Technology - SR/ wos - A/PM -	Department of Science and Technology - WOS

			1036/2015 (G)	
12	Physics	Dr.M.Beaula Ruby Kamalam	FDP _Contingency Grant	University Grants Commission
13	Chemistry	Dr.B.Kirthika Rani	FDP _Contingency Grant	University Grants Commission
14	Chemistry	Dr.K.Karthik Kumar	Young Scientist	Department of Science and Technology
15	Zoology	Dr.K.Navaneetha Kannan	Work Shop	Department of Science and Technology
16	Zoology	Dr.K.Navaneetha Kannan	DST - Inspire Science Internship Grant	Department of Science and Technology - Inspire Science Internship Grant
17	Zoology, Botany, Physics Chemistry	The American college	DST -FIST Grant	Department of Science and Technology - FIST
18	Zoology, Botany, Physics Chemistry	The American college	Star College Grant	Department of Science and Technology
19	Microbiology & Immunology	Mrs.D.Ramya	Biodegradation of petrol using chosen bacterial strains	Tamil Nadu State Council for Science and Technology (TNSCST)
20	Microbiology & Immunology	Dr. A.Deborah Gana Selvam	Isolation and Identification of seaweed associated actinomycetes and screening for antibacterial activity	Tamil Nadu State Council for Science and Technology (TNSCST)
21	Visual Communication	Dr.T.Shylaja	Investigations on social media and their impacts on personal - social and academic domains of urban based student community	University Grants Commission
			2016-2017	
1	Tamil	Dr.U.Balasubramanian	Evaluation of the history of Tamil Literature	University Grants Commission
2	Tamil	Dr.A.Boomi Selvam	Preparing a dictionary of slang and colloquial terms of Technology region	University Grants Commission
3	Mathematics	Dr.A.Amutha	Superstrongly perfect graph	Ministry of Higher Education and Scientific

				Research (Algeria)
4	Physics	Ms.Brindha	Ministry of science & Technology Department of science & Technology - SR/wos - A/PM - 1036/2015 (G)	Department of Science and Technology - WOS
5	Physics	Dr.M.Beaula Ruby Kamalam	FDP _Contingency Grant	University Grants Commission
6	Chemistry	Dr.K.Karthik Kumar	Young Scientist	Department of Science and Technology
7	Chemistry	Dr.B.Kirthika Rani	FDP _Contingency Grant	University Grants Commission
8	Zoology	Dr.K.Navaneetha Kannan	Work Shop	Indian Council of Medical Research
	2015-2016			
1	Tamil	Dr.U.Balasubramanian	Evaluation of the history of Tamil Literature	University Grants Commission
2	Tamil	Dr.A.Boomi Selvam	Preparing a dictionary of slang and colloquial terms of Technology region	University Grants Commission
3	Physics	Dr.A.Paul Mary Deborrah	Investigation of Gaseous pollutants	University Grants Commission
4	Mathematics	Dr.A.Amutha	Superstrongly perfect graph	Ministry of Higher Education and Scientific Research (Algeria)
5	Chemistry	Dr.K.Karthik Kumar	Young Scientist	Department of Science and Technology
6	Chemistry	Dr.M.Vathana Ruba	Novel photo and electroactive compounds of Triazine based ligands and metal complexes for DSSC and NLO applications	University Grants Commission