## <u>Criterion – III Research, Innovations and</u> Extension

## 3.2 Resource Mobilization for Research

## 3.2.4 Dept wise list of research projects

SSR Cycle – 3



THE AMERICAN COLLEGE, MADURAI - 625002

(An Autonomous Institution affiliated to Madurai Kamaraj University)

S.No	Department of Principal	Name of the Principal	Name of the	
	Investigator/	Investigator/ Co	Project/	
	Co	Investigator (if	Endowments,	Name of the Funding
	Investigator	applicable)	Chairs	agency
4			2019-2020	
1			Synthesis, structure	II
			and properties of	University Grants
		D 00. 1	Graphene-metal	Commission-DAE
	DI '	Dr.S.Stephen	oxide composite for	Consortium for scientific
	Physics	Rajkumar Inbanathan	dye degradation	research
2			Synthesis, structure	
			and properties of	University Grants
			Graphene	Commission-DAE
		Dr.S.Stephen	nanosheets with	Consortium for scientific
	Physics	Rajkumar Inbanathan	semiconductors	research
3			Enhancing the	
			Super capacitor	
			Performance in	
		Dr.M.Beaula Ruby	Graphene and	
		kamalam PI,	Graphene	
		Dr.S.Stephen	oxide/Transition	Tamil Nadu State Council
		Rajkumar Inbanathan,	metal oxide	for Science and
	Physics	CoPI	nanocomposites	Technology (TNSCST)
4				Department of Science and
		Dr.K.John	Inspire Science	Technology, Ministry of
	Chemistry	Adaikalasamy	Internship Grant	Science and Technology
5				Tamil Nadu State Council
			Student Project-	for Science and
	Chemistry	Dr.C.Dorothy Sheela	grant	Technology (TNSCST)
6			Synthetic	
			Explorations with	
			Baylis Hilman	
			Adducts:	
			asymmetric	Department of Science
			synthetics of	and Technology - SREB -
	Chemistry	Dr.K.Karthik Kumar	Cyclopentenoids.	YSS
7			T	Tamil Nadu State Council
			Student Project-	for Science and
	Zoology	Dr.T.Angeline	grant	Technology (TNSCST)
8			Study on the	
			diversity of	
			butterflies of	
			Sirumalai hills	Tamil Nadu State Council
			Eastern Ghats Tamil	for Science and
	Zoology	Dr.E.Joy Sharmila	Nadu	Technology (TNSCST)

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

			thin films- sputter		
			deposited on steel		
			substrates for anti		
			corrosion		
7			applications		
7			Automation of		
			KIPP's double		
			monochromator		
			using universal test		
		Dr.A.Robson	and measurement	University Grants	
	Physics	Benjamin	class interface	Commission	
8			Synthetic		
			Explorations with		
			Baylis Hilman		
			Adducts:		
			asymmetric	Department of Science	
			synthetics of	and Technology - SREB -	
	Chemistry	Dr.K.Karthik Kumar	Cyclopentenoids.	YSS	
9	Zoology,				
	Botany, Physics			Department of Science	
	Chemistry	The American college	DST -FIST Grant	and Technology - FIST	
10	Zoology,				
	Botany, Physics			Department of Science	
	Chemistry	The American college	Star College Grant	and Technology	
11	J		Investigations on		
			social media and		
			their impacts on		
			personal - social and		
			academic domains		
	Visual		of urban based	University Grants	
	Communication	Dr.T.Shylaja	student community	Commission	
	2017-2018				
1			Evaluation of the		
1			history of Tamil	University Grants	
	Tamil	Dr.U.Balasubramanian	Literature	Commission	
2	1 (111111	DI.O.Dalasuolalilalilali	Preparing a	Commission	
<u> </u>			dictionary of slang		
			and colloquial terms		
			of Technology	University Crents	
	Tamil	Dr.A.Boomi Selvam		University Grants Commission	
3	1 411111	DI.A.DUUIIII SEIVAIII	region Functional	COMMISSION	
3			1		
		Du D Albant	Performance and	Hairransity Casata	
	F	Dr.R.Albert	prospects of small	University Grants	
4	Economics	Christober Dhas	business enterprises	Commission	
4	Economics	Dr.J.Jebaraj	Economic appraisal	University Grants	

	1	1		T
			on atmospheric	Commission
			pollution - health of	
			urban residents and	
			medical	
			disbursements	
5	Religion		Indian council of	
	Philosophy and	Dr.Rev.Arul Arasu	philosophical	Indian Council For
	Sociology	Israel	research	Cultural Relations
6	Sociology	181401	1686a1CII	
6				Ministry of Higher
			Superstrongly	Education and Scientific
	Mathematics	Dr.A.Amutha	perfect graph	Research (Algeria)
7			Content Attainment	
			Through Computer	
			Adaptive Testing	
			(CAT) Can	
			Overcome the	
			Barriers Like	
			Locality of the	University Grants
	Physics	Dr.R.Daphine	Institution	Commission
8	1 Hysics	DI.K.Dapinic		Commission
0			Dynamic nuclear	
			polarization of 2H-	
			substituted nitroxyl	
			spin probes used in	University Grants
	Physics	Dr.D.David Jebaraj	Overhauser -	Commission
9			Analysis of	
			structural -	
			mechanical and	
			corrosion properties	
			of zinc/zinc oxide	
			thin films- sputter	
			depostited on steel	
			substrates for anti	
		Dr.P.Richard	corrosion	University Creats
	Dhysics			University Grants Commission
10	Physics	Rajkumar	applications	COMMISSION
10			Automation of	
			KIPP's double	
			monochromator	
			using universal test	
		Dr.A.Robson	and measurement	University Grants
	Physics	Benjamin	class interface	Commission
11		***************************************	Ministry of science	
			& Technology	
			Department of	
			science &	
			Technology - SR/	Department of Science
	Dhyaisa	Ma Daire dla a		Department of Science
	Physics	Ms.Brindha	wos - A/PM -	and Technology - WOS

			1036/2015 (G)			
12		Dr.M.Beaula Ruby	FDP _Contingency	University Grants		
	Physics	Kamalam	Grant	Commission		
13			FDP _Contingency	University Grants		
	Chemistry	Dr.B.Kirthika Rani	Grant	Commission		
14				Department of Science		
	Chemistry	Dr.K.Karthik Kumar	Young Scientist	and Technology		
15		Dr.K.Navaneetha		Department of Science		
	Zoology	Kannan	Work Shop	and Technology		
16			DST - Inspire	Department of Science		
		Dr.K.Navaneetha	Science Internship	and Technology - Inspire		
	Zoology	Kannan	Grant	Science Internship Grant		
17	Zoology,					
	Botany, Physics			Department of Science		
	Chemistry	The American college	DST -FIST Grant	and Technology - FIST		
18	Zoology,					
	Botany, Physics			Department of Science		
	Chemistry	The American college	Star College Grant	and Technology		
19			Biodegradation of	Tamil Nadu State Council		
	Microbiology		petrol using chosen	for Science and		
	& Immunology	Mrs.D.Ramya	bacterial strains	Technology (TNSCST)		
20			Isolation and			
			Identification of			
			seaweed associated			
	3.6. 1.1	D . D G	actinomycetes and	Tamil Nadu State Council		
	Microbiology	Dr. A.Deborah Gana	screening for	for Science and		
2.1	& Immunology	Selvam	antibacterial activity	Technology (TNSCST)		
21			Investigations on			
			social media and			
			their impacts on			
			personal - social and			
	<b>17</b> : 1		academic domains	II.:		
	Visual Communication	Dr T Chyleie	of urban based	University Grants Commission		
	Communication	Dr.T.Shylaja	student community	Commission		
	2017 2018					
1	2016-2017					
1			Evaluation of the	University Greats		
	Tamil	Dr.U.Balasubramanian	history of Tamil Literature	University Grants Commission		
2	Tallill	DI.U.Daiasuuramaman		Commission		
۷			Preparing a dictionary of slang			
			and colloquial terms			
			of Technology	University Grants		
	Tamil	Dr.A.Boomi Selvam	region	Commission		
3	1 411111	DI.A.DUUIII SEIVAIII	Superstrongly	Ministry of Higher		
J	Mathematics	Dr.A.Amutha	perfect graph	Education and Scientific		
	ivianiemanes	DI.A.AIIIUUIA	i berieer grapii	Education and Scientific		

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