Criterion – III Research, Innovations and Extension

3.2 Resource Mobilization for Research

3.2.2 List of teachers having research Projects

SSR Cycle – 3



THE AMERICAN COLLEGE, MADURAI - 625002

(An Autonomous Institution affiliated to Madurai Kamaraj University

S.N		Department		
0		of Principal	Name of the	
	Name of the Principal	Investigator/	Project/	
	Investigator/ Co	Co	Endowments ,	Name of the
	Investigator (if applicable)	Investigator	Chairs	Funding agency
		2019-20)20	
1			Synthesis, structure	
			and properties of	University Grants
			Graphene-metal	Commission-DAE
	Dr.S.StephenRajkumarInbana		oxide composite for	Consortium for
	than	Physics	dye degradation	scientific research
2			Synthesis, structure	
			and properties of	University Grants
			Graphenenanosheet	Commission-DAE
	Dr.S.StephenRajkumarInbana		s with	Consortium for
	than	Physics	semiconductors	scientific research
3			Enhancing the	
			Super capacitor	
			Performance in	
			Graphene and	Tamil Nadu State
	Dr.M.Beaula Ruby kamalam		Graphene	Council for
	PI,		oxide/Transition	Science and
	Dr.S.StephenRajkumarInbana		metal oxide	Technology
	than, CoPI	Physics	nanocomposites	(TNSCST)
4				Department of
				Science and
				Technology,
				Ministry of
			Inspire Science	Science and
	Dr.K.JohnAdaikalasamy	Chemistry	Internship Grant	Technology
5				Tamil Nadu State
				Council for
				Science and
			Student Project-	Technology
	Dr.C.DorothySheela	Chemistry	grant	(TNSCST)
6			Synthetic	
			Explorations with	_
			BaylisHilmanAddu	Department of
			cts : asymmetric	Science and
			synthetics of	Technology -
<u> </u>	Dr.K.Karthik Kumar	Chemistry	Cyclopentenoids.	SREB - YSS
7				Tamil Nadu State
				Council for
			G. 1 . 5	Science and
	D T 4 11	7 1	Student Project-	Technology
	Dr.T.Angeline	Zoology	grant	(TNSCST)

8			Study on the	
0			Study on the	Tomil Nodu Chaha
			diversity of	Tamil Nadu State
			butterflies of	Council for
			Sirumalai hills	Science and
	P E I (1 '1		Eastern Ghats	Technology
	Dr.E.JoySharmila	Zoology	Tamil Nadu	(TNSCST)
9		Zoology,		Department of
		Botany,		Science and
		Physics		Technology -
	The American college	Chemistry	DST -FIST Grant	FIST
10		Zoology,		
		Botany,		Department of
		Physics		Science and
	The American college	Chemistry	Star College Grant	Technology
11			Investigations on	
			social media and	
			their impacts on	
			personal - social	
			and academic	
		Visual	domains of urban	
		Communicati	based student	University Grants
	Dr.T.Shylaja	on	community	Commission
			·	
		2010 20	140	
		2018-20)19	
1		2018-20	Functional	
1		2018-20		
1		2018-20	Functional Performance and	University Grants
1	Dr.R.AlbertChristoberDhas	Economics	Functional Performance and prospects of small	University Grants Commission
1 2	Dr.R.AlbertChristoberDhas		Functional Performance and prospects of small business enterprises	_
	Dr.R.AlbertChristoberDhas		Functional Performance and prospects of small business enterprises Economic appraisal	_
	Dr.R.AlbertChristoberDhas		Functional Performance and prospects of small business enterprises	_
	Dr.R.AlbertChristoberDhas		Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric	_
	Dr.R.AlbertChristoberDhas		Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents	Commission
		Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health	Commission University Grants
	Dr.R.AlbertChristoberDhas Dr.J.Jebaraj		Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements	Commission
2		Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant	Commission University Grants
2		Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc	Commission University Grants Commission
2	Dr.J.Jebaraj	Economics Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper	Commission University Grants Commission University Grants
3		Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation	Commission University Grants Commission
2	Dr.J.Jebaraj	Economics Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation Ministry of science	Commission University Grants Commission University Grants
3	Dr.J.Jebaraj	Economics Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation Ministry of science & Technology	University Grants Commission University Grants Commission
3	Dr.J.Jebaraj	Economics Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation Ministry of science & Technology Department of	University Grants Commission University Grants Commission Department of
3	Dr.J.Jebaraj	Economics Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation Ministry of science & Technology Department of science &	University Grants Commission University Grants Commission Department of Science and
3	Dr.J.Jebaraj	Economics Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation Ministry of science & Technology Department of science & Technology - SR/	University Grants Commission University Grants Commission Department of Science and Technology –
3	Dr.J.Jebaraj Dr.M.DavamaniChristober	Economics Economics Mathematics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation Ministry of science & Technology Department of science & Technology - SR/ wos - A/PM -	University Grants Commission University Grants Commission Department of Science and
3	Dr.J.Jebaraj	Economics Economics	Functional Performance and prospects of small business enterprises Economic appraisal on atmospheric pollution - health of urban residents and medical disbursements Travel Grant received from Ugc for Research paper presentation Ministry of science & Technology Department of science & Technology - SR/	University Grants Commission University Grants Commission Department of Science and Technology –

5			Dynamic nuclear	
3			polarization of 2H-	
			substituted nitroxyl	
			spin probes used in	University Grants
	Dr.D.DavidJebaraj	Physics	Overhauser -	Commission
6	DI.D.Duvids courag		Analysis of	Commission
			structural -	
			mechanical and	
			corrosion properties	
			of zinc/zinc oxide	
			thin films- sputter	
			deposited on steel	
			substrates for anti	
			corrosion	University Grants
	Dr.P.RichardRajkumar	Physics	applications	Commission
7	3		Automation of	
			KIPP's double	
			monochromator	
			using universal	
			test and	
			measurement class	University Grants
	Dr.A.Robson Benjamin	Physics	interface	Commission
8			Synthetic	
			Explorations with	
			BaylisHilmanAddu	Department of
			cts: asymmetric	Science and
			synthetics of	Technology -
_	Dr.K.Karthik Kumar	Chemistry	Cyclopentenoids.	SREB - YSS
9		Zoology,		Department of
		Botany,		Science and
		Physics	Dam Fram c	Technology -
10	The American college	Chemistry	DST -FIST Grant	FIST
10		Zoology,		D
		Botany,		Department of
	The American II	Physics	G4 C-11 C	Science and
1.1	The American college	Chemistry	Star College Grant	Technology
11			Investigations on	
			social media and	
			their impacts on personal - social	
			and academic	
		Visual	domains of urban	
		Communicati	based student	University Grants
	Dr.T.Shylaja		community	Commission
	1.1.511y1aja	on	Community	Commission

	2017-2018				
1			Evaluation of the		
			history of Tamil	University Grants	
	Dr.U.Balasubramanian	Tamil	Literature	Commission	
2			Preparing a		
			dictionary of slang		
			and colloquial		
			terms of Madurai	University Grants	
	Dr.A.BoomiSelvam	Tamil	region	Commission	
3			Functional		
			Performance and		
			prospects of small	University Grants	
	Dr.R.AlbertChristoberDhas	Economics	business enterprises	Commission	
4			Economic appraisal		
			on atmospheric		
			pollution - health		
			of urban residents		
			and medical	University Grants	
	Dr.J.Jebaraj	Economics	disbursements	Commission	
5		Religion	T 1: '1 C		
		Philosophy	Indian council pf	T 11 G 11 F	
		and	philosophical	Indian Council For	
	Dr.Rev.ArulArasuIsrael	Sociology	research	Cultural Relations	
6				Ministry of Higher Education and	
			Cymanathanaly	Scientific	
	Dr.A.Amutha	Mathematics	Superstrongly perfect graph	Research (Algeria)	
7	Dr.A.Amuna	Mainematics	Content Attainment	Research (Algeria)	
'			Through Computer		
			Adaptive Testing		
			(CAT) Can		
			Overcome the		
			Barriers Like		
			Locality of the	University Grants	
	Dr.R.Daphine	Physics	Institution	Commission	
8	1		Dynamic nuclear		
			polarization of 2H-		
			substituted nitroxyl		
			spin probes used in	University Grants	
	Dr.D.DavidJebaraj	Physics	Overhauser -	Commission	
9			Analysis of		
			structural -		
			mechanical and		
			corrosion properties		
			of zinc/zinc oxide	University Grants	
	Dr.P.RichardRajkumar	Physics	thin films- sputter	Commission	

	1	1	1 ', 1 , 1	T
			deposited on steel	
			substrates for anti	
			corrosion	
			applications	
10			Automation of	
			KIPP's double	
			monochromator	
			using universal	
			test and	
			measurement class	University Grants
	Dr.A.RobsonBenjamin	Physics	interface	Commission
11			Ministry of science	
			& Technology	
			Department of	
			science &	Department of
			Technology - SR/	Science and
			wos - A/PM -	Technology -
	Ms.Brindha	Physics	1036/2015 (G)	WOS
12			FDP _Contingency	University Grants
	Dr.M.Beaula Ruby Kamalam	Physics	Grant	Commission
13	,		FDP _Contingency	University Grants
	Dr.B.Kirthika Rani	Chemistry	Grant	Commission
14		•		Department of
				Science and
	Dr.K.Karthik Kumar	Chemistry	Young Scientist	Technology
15			U	Department of
				Science and
	Dr.K.NavaneethaKannan	Zoology	Work Shop	Technology
16		3,	•	Department of
				Science and
			DST - Inspire	Technology -
			Science Internship	Inspire Science
	Dr.K.NavaneethaKannan	Zoology	Grant	Internship Grant
17		Zoology,		Department of
		Botany,		Science and
		Physics		Technology -
	The American college	Chemistry	DST -FIST Grant	FIST
18		Zoology,		
		Botany,		Department of
		Physics		Science and
	The American college	Chemistry	Star College Grant	Technology
19				Tamil Nadu State
				Council for
		Microbiology	Biodegradation of	Science and
		&	petrol using chosen	Technology
	Mrs.D.Ramya	Immunology	bacterial strains	(TNSCST)
	· · · · · · · · · · · · · · · · · · ·			<u>, , , , , , , , , , , , , , , , , , , </u>

21	Dr.A.DeborahGanaSelvam Dr.T.Shylaja	Microbiology & Immunology Visual Communicati on	Isolation and Identification of seaweed associated actinomycetes and screening for antibacterial activity Investigations on social media and their impacts on personal - social and academic domains of urban based student community	Tamil Nadu State Council for Science and Technology (TNSCST) University Grants Commission
		2016-20		1
1	Dr.U.Balasubramanian	Tamil	Evaluation of the history of Tamil Literature	University Grants Commission
2			Preparing a dictionary of slang and colloquial terms of Madurai	University Grants
	Dr.A.BoomiSelvam	Tamil	region	Commission
3	Dr.A.Amutha	Mathematics	Super strongly perfect graph	Ministry of Higher Education and Scientific Research (Algeria)
4	Ms.Brindha	Physics	Ministry of science & Technology Department of science & Technology - SR/wos - A/PM - 1036/2015 (G)	Department of Science and Technology - WOS
5	Dr.M.Beaula Ruby Kamalam	Physics	FDP _Contingency Grant	University Grants Commission
6 7	Dr.K.Karthik Kumar	Chemistry	Young Scientist FDP _Contingency	Department of Science and Technology University Grants
	Dr.B.Kirthika Rani	Chemistry	Grant Grant	Commission
8	Dr.K.NavaneethaKannan	Zoology	Work Shop	Indian Council of Medical Research

	2015-2016				
1		2015-20	Evaluation of the		
1			history of Tamil	University Grants	
	Dr.U.Balasubramanian	Tamil	Literature	Commission	
2	D1.O.Balasuoramaman	Tanni	Preparing a	Commission	
2			dictionary of slang		
			and colloquial		
			terms of Madurai	University Grants	
	Dr.A.BoomiSelvam	Tamil		Commission	
	Dr.A.Boomiseivani	1 allill	region		
3	D CD 1M D1 1	DI :	Investigation of	University Grants	
<u> </u>	Dr.S.Paul Mary Deborrah	Physics	Gaseous pollutants	Commission	
4				Ministry of Higher	
				Education and	
			Superstrongly	Scientific	
	Dr.A.Amutha	Mathematics	perfect graph	Research (Algeria)	
5				Department of	
				Science and	
	Dr.K.Karthik Kumar	Chemistry	Young Scientist	Technology	
6			Novel photo and		
			electroactive		
			compounds of		
			Triazine based		
			ligands and metal		
			complexes for		
			DSCC and NLO	University Grants	
	Dr.M.VathanaRuba	Chemistry	applications	Commission	