

AYYA NADAR JANAKI AMMAL COLLEGE (Autonomous), SIVAKASI

LIST OF COMPLETED RESEARCH PROJECTS FROM 2012-2022

Total Amount: ₹ 1,39,08,100 and No. of researchProjects: 34

S.No	Name of the Investigator	Project No.	Funding Agency	Title of the project and duration	Amount sanctioned (₹)
DEPARTMENT OF MATHEMATICS					
1.	Dr.V.Renuka Devi	F.No.42-27/2013 (SR) Dt. 12.03.2013	UGC – Major Research Project	Study on soft sets and their applications in reduction attributes	9,54,800
2.	Dr.C. Parameswaran	F.MRP - 5258 / 14 (SERO / UGC) dated March 2014	UGC – Minor Research Project	A study on Distance on graphs (01.04.2014 to 31.03.2016)	3,00,000
3.	Dr.G. Narasimman	F.MRP - 5249 / 14 (SERO / UGC) dated March 2014	UGC – Minor Research Project	Study on domination related parameters in graphs (01.04.2014 to 31.03.2016)	3,00,000
4.	Dr.P. Gnanachandra	F.MRP - 5250 / 14 (SERO / UGC) dated March 2014	UGC – Minor Research Project	Role of Singletons in Topology (01.04.2014 to 31.03.2016)	3,30,000
DEPARTMENT OF PHYSICS					
5.	Dr. B. Sundaresan	F.No. 38-21/2009	UGC- Major Research Project	Preparation of novel nano composite polymer electrolytes based on Poly (ethylene oxide) for lithium batteries through ultrasonic irradiation (2010-2013)	9,73,800

6.	Mr. S. Kalaiarasu	F.MRP-3961/11	UGC-Minor Research Project	Quantum Montecarlo study of atoms and ions (2012-2013)	1,85,000
7.	Dr. S. Jeya	F-MRP-3958/11	UGC-Minor Research Project	Unidirectional growth of semiorganic NLO active L-Lysine Boratesingle crystal (2012-2013)	1,60,000
8.	Dr. K. Kulasekarapandian	F.MRP-4313/12	UGC-Minor Research Project	Construction of Hybrid PMMA/PVdF/ Ti O ₂ nanoparticle	2,00,000
9.	Dr. A. Premalatha	PS-014	Tamil Nadu State Council for Science and Technol ogy	Construction of compact microbial fuel cell using bread carbon foam bioelectrode (2018-2019)	7,500
10.	Dr. A. Arulsankar	PS-028	Tamil Nadu State Council for Science and Technol ogy	Synthesis and characterization of copper-silver core shell nanoparticles (2019-2020)	7,500
11.	Dr. F. Yogam	PS-136	Tamil Nadu State Council for Science and Technol ogy	Moisture absorption and conductivity ofpolymer films.(2021-2022)	7,500
12.	Dr. C. Ambika	PS-189	Tamil Nadu State Council for Science and	Rechargeable proton battery fabrication. Using novel blend (Biosynthetic.	7,500

			Technol ogy)Degradable polymer electrolyte. (2021-2022)	
DEPARTMENT OF CHEMISTRY					
13.	Dr. M. Meenakshi Sundaram	F.No.41- 327/2012 (SR)	UGC- Major research project	Development of conducting polymer- semiconductors based hybrid nano composites for the effective photo degradation of dyestuffs from industrial effluents (2012-2015)	8,08,800
14.	Dr. M. Kumar Raja	F.No.41- 334/2012 (SR)	UGC- Major research project	“Click chemistry” in nanoporous medium: A Green environment for the Huisgen Cycloaddition (2012-2015)	10,80,800
15.	Dr. S. Saravanan	F.No.41- 290/2012 (SR)	UGC- Major research project	Synthetic studies on Michael adducts and theirazine derivatives (2012-2015)	4,08,000
16.	Dr.S.Umamaheswari	PS-001	Tamil Nadu State Council for Science and Technol ogy	A Green Approach Towards the Synthesis of Bioactive Quinoline Hybrids: Ionic- Liquid Mediated One- Pot Synthesis of Novel Heterocycles <i>via</i> 1, 3-Dipolar Cycloaddition (2017-2018)	7,500

17.	Dr. J.Maheswari	ES-016	Tamil Nadu State Council for Science and Technology	Finding an environmental friendly method to remove nitratea hazardous major pollutant in Groundwater in Tamilnadu (2019-2020)	7,500
18.	Dr. R. Ramprasath	PS-058	Tamil Nadu State Council for Science and Technology	Green polymer stabilized hydrotalcite production and application (2019-2020)	7,500
19.	Dr. T.Veemaraj	PS-306	Tamil Nadu State Council for Science and Technology	Synthesis of Graft Polymers (st-g-pam and st-g-pmma) by using low concentration ceric ammonium nitrate (2021-2022)	7,500
DEPARTMENT OF BOTANY					
20.	Dr. V. Ganesan	SR/S3/M E/0045/2010	DST	Eco friendly synthesis of metal nanoparticles (2012 - 2015)	23,70,000
21.	Dr. K. Lingakumar	MRP-4180/12	UGC-Major Research project	Studies on the interaction of Brassinosteroid sand enhanced UV-B radiation (2012-2015)	9,69,000
22.	Dr.R.Sevugaperumal	MRP-4182/12	UGC – Minor Research Project	Amelioration of heavy metal toxicity to plantsby seaweeds (2013-2014)	90,000
23.	Dr. N. Senthilkumar	MRP-4181/12	UGC – Minor Research Project	Extraction, Purification and Characterization of R-Phycoeythrin	1,10,000

				from <i>Halymenia floresia</i> (2013-2014)	
24.	Dr. N. Tensingh Baliah	BS-76	Tamil Nadu State Council for Science and Technology	Eco-friendly measures of control of solidwaste pollutionby mushroom cultivation (2016-2017)	10,000
25.	Dr. N. Tensingh Baliah	ES-64	Tamil Nadu State Council for Science and Technology	Boon and fact of seaweed liquid fertilizer (SLF)(2016-2017)	10,000
DEPARTMENT OF ZOOLOGY					
26.	Dr.V.Thangapandian	BT/IN/In do- US/ Foldscope /39/ 2015- DBT	DBT	Exploration of foldscope for human health improvement andbiodiversity (2018-2020)	8,00,000
27.	Dr.V.Mariappan	BS-124	Tamil Nadu State Council for Science and Technology	A study of pesticide pollution in certain agro eco system of Sivakasi by usingearthworm gut- enzymes as an indicator (2016-2017)	7,500
28.	Dr.L.Isaiarasu	BS-141	Tamil Nadu State Council for Science and Technology	Antimicrobial activity observedin selected branded honey samples (2016-2017)	7,500
29.	Dr.R.Ramakrishnan	BS-74	Tamil Nadu State Council	Soil bioremediation: A combination ofearthworms	7,500

			for Science and Technology	and compost for the ecological remediation of the polluted soil in and around Sivakasi (2017-2018)	
30.	Dr.Ganesh Kumar	BS-145	Tamil Nadu State Council for Science and Technol	Green Synthesisof silver nanoparticles using sea weed brown marine macroalgae, <i>Padina Gymnospora</i> (Kuetzing) against the larvaeof the southern house mosquito, <i>Culex quinquefasiatus</i> (Say) (2017-2018)	10,000
31.	Dr. M. K. Rajan	42-569/2013 (SR)	UGC-Major Research project	Biocontrol of root knot nematode, <i>Meloidogyne incognita</i> : An ecofriendly approach (2013-2016)	11,86,800
32.	Dr. Sp. Sevarkodiyone	42-596/2013 (SR)	UGC-Major Research project	Distribution and behavioral expression (breeding and feeding: Dengueand Chickungunya vectors in selected rural area in South Tamil Nadu, South India (2013-2016)	7,57,800
33.	Dr. S. Ilango	42-555/2013 (SR)	UGC-Major Research project	Molecular epidemiological studies on neurological complications of Dengue infectionin	13,60,800

				Thirunelveli District Tamil Nadu (2013-2016)	
34.	Dr.T. Selvarathinam	2015	UGC-Minor Research project	Ecological Challenges of Roosting in the leaf nosed bat, <i>Hipposideros sperios</i> (2015-2017)	4,50,000
TOTAL					₹ 1,39,08,100