

FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)
Affiliated to University of Kerala



3.2.2 Research Projects

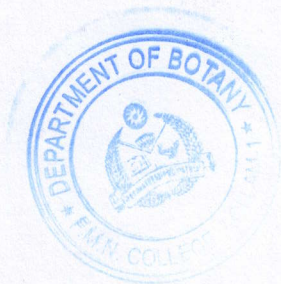
LIST OF EXTERNAL FUNDED PROJECTS IN BOTANY (2014-19)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non- Government)	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Stigmatic area organization as an aid in inter-specific systematics of the genus Thottea Rottb(Aristolochiaceae) from the Western Ghats	Dr Shaiju P.N.	UGC	Government	2012	100000	2012-15
Phytochemical screening and antioxidant activity of chamaecostus cuspidatus	Dr Merlyn V.J.	KSCSTE	Government	2019	7000	2018-19
Morphology and reproductive potential of gynostemium in Thottea Idukkiana Panduran.and Nair	Dr Shaiju P.N.	KSCSTE	Government	2019	7000	2018-19



Investigation in Arabidopsis to reveal the role of zinc in sensing and signalling of Phosphorous availability in soil	Dr Sinilal B.	SERB-Science and Engineering Research Board, Government of India	Government	2019	3959000	2019-22
SARD	Dr Shaiju P.N.	KSCSTE	Government	2019	1500000	2019-22

J. Krimela Sujan



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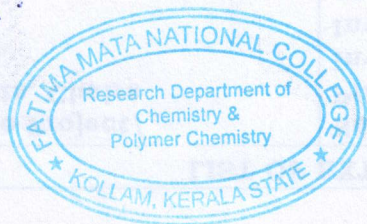
LIST OF EXTERNAL FUNDED PROJECTS IN CHEMISTRY (2014-19)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non- Government)	Year of Award	Funds provided (INR in lakhs)	Duration of the project
An investigation to develop sensitive and selective Spectro - photometric reagents for zirconium and tungsten using sulphur , nitrogen and oxygen donor chelates	Dr Biju Mathew	UGC	Government	2012	170000	2012-16
Spatial distribution of uranium and associated water quality parameters in groundwater /drinking water of five districts (Thiruvananthapuram, Kollam, Alappuzha, Pathanamthitta and Kottayam) of Kerala	Dr Shibu Joseph S T	BRNS, DAE	Government	2015	2694300	2015-17
Structural-Crystal-Optical-and Biological Activities of Metal Complexes/Frameworks derived from heterocycles as benzothiazoles	Dr. Sarau Devi A	UGC	Government	2016	341000	2016-18
Microwave Assisted Green Synthesis Of Mesoporous Silica	Dr. Manohar D. Mullassery	UGC	Government	2016	490000	2016-18



Material For The Targeted And Controlled Drug Delivery						
Development Of Magnetic Biochars for Heavy metal remediation	Dr. Noeline B. Fernandez	UGC	Government	2016	450000	2016-18
Microwave assisted green chemistry synthesis of acrylamide grafted cyclodextrin and its application in drug delivery	Dr. Manohar D. Mullassery	KSCSTE	Government	2017	12,000	2017-18
Development of Biochars for methylene blue remediation from aqueous solutios	Dr. Noeline B. Fernandez	KSCSTE	Government	2017	13,000	2017-18

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LIST OF EXTERNAL FUNDED PROJECTS IN ENGLISH (2014-19)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Effective communication: A cognitive approach	Dr Clara B Reshma	UGC	Government	2015	77,500	2015-17
Contours of a Literary Tradition: Defining the Literary Identity of the Latin catholic Community in Kerala	Mr Sony Joseph	UGC	Government	2015	170000	2015-17

Cynthia cm

DR. CYNTHIA C MICHAEL
 Assoc. Prof. & Head
 Dept. of English
 F M N College, Kollam



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LIST OF EXTERNAL FUNDED PROJECTS IN MALAYALAM (2014-19)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Year of Award	Funds provided (INR in lakhs)	Duration of the project
A Comparative study on the Current Relevance of Ecological vision in the works of G. SankaraKuruppu and ONV Kuruppu	Dr. M R Shelly	UGC	Government	2012	709600	2012-14

HOD M R Shelly

M R Shelly

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MARY. C
HOD
Department of Malayalam
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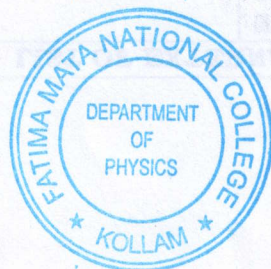


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LIST OF EXTERNAL FUNDED PROJECTS IN PHYSICS (2014-19)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Studies on the surface exhalation fluxes of radon and thoron in monazite bearing sands in the southern coastal areas of kerala	Dr. Jojo PJ (Co-Principal Investigator)	BRNS, DAE	Government	2013	3456000	2013-17
Synthesis & structural studies of noble metal nanoparticles of different shapes	Dr. Sheena Mary Y	UGC	Government	2013	110000	2013-15
Dosimetric Profiling and Somatic Mutation Studies in Permanent Residence of selected regions of Chavara and Neendakara Panchayats, Kerala	Dr. Jojo PJ	BRNS, DAE	Government	2014	3476000	2014-17
A Green Approach for the synthesis of silver nanoparticles Azadirachta indica aqueous leaf extract	Dr Sheena Mary Y.	KSCSTE	Government	2019	10000	2018-19

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LIST OF EXTERNAL FUNDED PROJECTS IN ZOOLOGY (2014-19)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigato r/ Co Investigato r (if applicable)	Name of the Fundin g agency	Type (Government/Non- Government)	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Effect of Municipal Solid waste on shell fishes and fin fishes of Ashtamudi Lake, Kollam	Dr Sherly Williams E	KSCST E	Government	2012	1110000	2012-15
Nanoparticulate phytonurients embedded aqua feed formulation-assessment into delivery efficiency and effect in <i>Oreochromismossambicus</i>	Dr. A Akhila Thomas	UGC	Government	2012 (wef 01/07/ 2012 to 31/12/ 2015)	822067	2012-15
Conservation of certain indigenous fishes of Western Ghats and use of Low cost Larval rearing technology for development as candidate aquaculture species	Dr Sherly Williams E	Western Ghat Cell-WGC	Planning and Economic Affairs Department, Government of Kerala	2012	763400	2012-15
Zooplankton as candidate	Dr Mary	UGC	Government	2016	250000	2016-18



bio-indicators in the biomonitoring of trace metals along the coast of Kerala, India	Teresa P Miranda					
Plankton Community structure and dynamics along the coast of Arthungal in Kerala, South west coast of India	Dr. Sarlin P J	KSCST E	Government	2016	1871600	2016-18
Studies on the effect of pollutants on Plankton diversity of Vattakayal , Kollam	Dr Sherly Williams E	KSCST E	Government	2017	1466080	2017-19
A Study and DNA Barcoding of few Metazoan parasites of Mackerel Rastrelliger Kanaguria (Cuvier), a commercially important marine fish of Kerala	Dr. Sarlin P J	KSCST E	Government	2017	10000	2017-18
Assessment of microplastics in table salt from Kerala	Dr Sarlin P.J.	KSCST E	Government	07-01-2019	10000	2018-19

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