

MES M.K MACKAR PILLAY COLLEGE FOR ADVANCED STUDIES

Edathala North PO, Aluva - 683 561

FACULTY PROFILE

PERSONAL	
NAME	Ms. KRISHNA RAJ
DEPARTMENT	Dept. of Biosciences
DESIGNATION	Assistant Professor
MAIL ID	Krishna@mescas.org
PHONE NUMBER	9526849361, 7907978293 (Whatsapp)
AREA OF SPECIALIZATION	Antimicrobial studies and multi drug resistance

ACADEMICS			
SLNO	QUALIFICATION	YEAR	INSTITUTION
1	Ph.D. in Biotechnology (Pursuing)	Since 2021	Srinivas University, Mangalore
2	MSc. Biotechnology	2015	M.E.S College, Marampally
3	Advanced Diploma in Bioinformatics	2013	M.E.S College, Marampally
4	BSc. Biotechnology	2013	MES College, Marampally

EXPERIENCE				
SLNO	TEACHING/INDUSTRY	DESIGNATION	INSTITUTION DETAILS	PERIOD
1	Teaching	Assistant Professor	M.E.S M.K Mackar Pillay College for Advanced Studies, Edathala	Since 5th Aug 2019
2	Industry	Question paper Analyser & HR Manager	Career Top Entrance Coaching Center, Perumbavoor	April 2018- July 2019
3	Teaching	Assistant Professor	Al-Ameen College, Edathala	June 2017-Dec 2017
4	Industry	Nutritional Advisor	Abbott Pharma (Nutrition), Cochin	Dec 2015-Dec 2016

PAPER(S) PUBLISHED IN JOURNAL (NATIONAL/INTERNATIONAL)

TITLE OF PAPER	NAME OF JOURNAL	VOL. NO.	ISBN NO.	ISSN NO.	DATE	IMPACT FACTOR
Molecular Identification and phylogenetic analysis of chemical resistant organisms from Laboratory effluent	IJSREM	5		2582-3930	2021	8.176
Antimicrobial activity of Chromolaena orodata and Aerva lanata	IJFMR	5		25822160	2023	9.24
Awareness on Genetically Modified crops: A case study on GM crops in Kerala with special reference to BT crops	IJRPR	4		25827421	2023	5.536

AWARDS/ACHIEVEMENTS/RECOGNITIONS

SLNO	DETAILS
1	Scored 90% in Covid -19 Awareness Quiz Conducted by Al-Ameen College, Edathala
2	Successfully completed 6 credit course on Research methodology & statistical analysis from IGNOU Delhi
3	Successfully completed short term course on "Doing doctoral level research" by Srinivas University, Mangalore

TRAINING(S)/CERTIFICATION(S)

SLNO	TITLE OF TRAINING/CERTIFICATION	DATE	CONDUCTING/CERTIFYING AGENCY
1	Training on IP awareness	30-11-2022	National IP awareness Mission & Ministry of commerce & industry
2	Training on IP awareness	04-05-2022	National IP awareness Mission & Srinivas university, mangalore
3	Online Training on Moodle platform	18-07-2020	Standing committee of MES self financing & parallel colleges
4	Online Training on Google Classroom	27-06-2020	Standing committee of MES self financing & parallel colleges

AFFILIATIONS TO UNIVERSITY/EXTERNAL ORGANIZATION	
SLNO	PARTICULARS
1	Member, Board of Studies, BSc. Bioinformatics
2	SPOC, SIH 2023

PROJECTS			
SLNO	TITLE OF PROJECT	DURATION	FUNDING AGENCY
1	Isolation, Estimation and identification of microplastics from Etroplus surantensis collected from Ashtamudi and Vembanad lake	3 Months	Student fund
2	Comparative analysis of antibacterial activity of heterocyclic compounds in Uropathogens and Hematopathogens: A study in contrast with wild type strain	3 Months	Student fund
3	Antibacterial activity of heterocyclic compounds in Uropathogens and Hematopathogens: A study in contrast with wild strain	3 Months	Student fund
4	Isolation, Estimation and identification of microplastics from Heteropneustes fossilis collected from Ashtamudi and Punnamada Lake	3 Months	Student fund

ADMINISTRATIVE ROLES			
SLNO	PARTICULARS	ROLE	DURATION
1	Department coordination	Head of the Department	Aug 2022-Dec 2023
2	NAAC	Criterion II Leadership	Since 2021
3	University Youth festival	Coordinator	2022, 2023
4	Maintenance of science lab	Lab-in-charge	Aug 2022-Dec 2023
5	IQAC	Member	Since June 2022
6	MOOC	Assistant Coordinator	March 2021-Sep 2023
7	MOOC	Mentor	Since Sep 2023

PARTICIPATION IN WORKSHOPS/CONFERENCES/FDPs					
SLNO	TITLE	NATIONAL/INTERNATIONAL	DATE(S)	VENUE	ORGANIZER
1	FDP on research & innovation	International	16-12-2023	Online	St. Frasis college Bangalore
2	5days workshop on FYUP	National	13-11-2023-17-11-2023	MACFAST, Thiruvalla	MG University
3	Chat GPT & AI	National	19 Aug 2023	Online	Logic land technologies pvt ltd
4	Primer designing and qPCR	International	17,18 Aug 2023	VIT Vellore	VIT Vellore
5	World conference on ethics in higher education	International	17-11-2022 - 18-11-2022	GVM's Dr. Dada Vaidya college, Goa	Globethics. net India
6	5 days FDP on cryptocurrency, blockchain & cyber security	National	12-09-2022 - 16-09-2022	KMM College, Thrikkakara	KMM College, Thrikkakara
7	Conference on future & innovation in IT, Management and Education	National	30-06-2022	Srinivas University, Mangalore	Srinivas University, Mangalore
8	FDP on self management skill in the era of modern education	National	15-02-2022 - 21-02-2022	Yeldo mar baselios college, Kothamangalam	Yeldo mar baselios college, Kothamangalam
9	Workshop on instrument development adaption & adoption	National	26-02-2022	Srinivas University, Mangalore	Srinivas University, Mangalore
10	NAAC Sponsored Workshop on Teaching learning & research in the perspective of NAAC RAF	National	14-02-2022 - 15-02-2022	Bishop Moore College, Mavelikkara	Bishop Moore College, Mavelikkara
11	International conference on blockchain & cryptocurrency	International	03-02-2022	Rajagiri college, Cochin	Rajagiri college, Cochin
12	5 days workshop on research methodology- ethics, plagiarism, publication & thesis writing	National	27-12-2021 - 31-12-2021	Srinivas University, Mangalore	Srinivas University, Mangalore
13	4 days workshop on research orientation	National	01-11-2021 - 04-11-2021	Al- ameen college, edathala	Al- ameen college, edathala
14	Workshop on Research methodology		30-10-2021	Srinivas University, Mangalore	Srinivas University, Mangalore

PARTICIPATION IN SEMINARS/WEBINARS					
SLNO	WEBINAR/SEMINAR TITLE	NATIONAL/INTERNATIONAL	DATE(S)	VENUE	ORGANIZER
1	AI & Ethical leadership in education	International	9-9-2023	Online	Globethics
2	Role of NAAC with NEP as a quality tool for higher education	National	16-12-2022 - 17-12-2022	Sri Ranganathar institutes, Coimbatore	NAAC

3	Simulated cyber attacks to evaluate system security	National	01-10-2022	Srinivas University, mangalore	College of Computer Science
4	Research career: international opportunities and novel avenues	National	06-11-2021	KKTM Gov College, Pullut, Thrissur	IQAC
5	Toxic gain of function and microtubule dysregulation associated with cell model of hereditary sensory neuropathy type 1A	International	27-10-2021	Presentation college, mavelikkara	Bioscience department
6	Research: step 1,2,3	National	01-06-2021 - 03-06-2021	Srinivas University, Mangalore	Research development
7	Bioremediation of Nitrogenous toxicities in Aquaculture	National	17-10-2020	MES College for Advanced studies, Edathala	Bioscience department
8	Next Generation Sequencing	National	10-08-2020	MES College for Advanced studies, Edathala	Dept. of Bioinformatics
9	Quality Benchmarks: Role of IQAC AND AQAR	National	23-07-2020	MES College, Marampally	IQAC
10	Technology, Higher education and digital divide	National	23-07-2020	MES College, Marampally	IQAC
11	Enzyme purification	National	25-07-2020	St.Xavier's College, Aluva	Dept. of Microbiology
12	ICT based teaching learning practices for teachers	International	18-07-2020	BMC, Aluva	GVM's Dr. Vaidya College, Ponda Goa
13	How can we make entrepreneurship innovative for a better future	National	17-07-2020	MES College, Erumely	IQAC
14	Marketing Strategy for post covid-19 world	National	14-07-2020	KMEA College, Kuzhivelippady	IQAC