Faculty profile:



Name : Dr. Mary Sheela J

Qualification: M.Sc,M.Phil,Ph.D,

Designation : Assistant Professor Years of Experience: UG:15 PG:15

Area of Specilization:

Virology, Bioinformatics,

Immunology.

 $Email\text{-}ID: mary sheel a_j@ethiraj college.edu.in\\$

CREDENTIAL:

Authored one chapter "Environmental Microbiology" in **Microbiology Text Book (Std 11)** for State Council For Education and Research Training (SCERT) for **Government of Tamil Nadu(2018).**

Expert member in the Doctoral committee for the Department of Bioinformatics in the faculty of life Sciences, Sathyabama institute of Science and Technology, 2020 (Ref: Sathyabama/Ph.D/July 2020 Date: 28th July, 2020, (Ref: Sathyabama/Ph.D/July 2022 Date: 29th April, 2022)

MEMBERSHIP

S.No	Details	State/National/
		International
1	Member of Indian Association of Applied Microbiology (Mem No: 457)	STATE

JOURNAL PUBLICATIONS

S.No.	JOURNAL NAME	UGC	ISBN /ISSN	REFERE	DATE OF
		/SCI/SCIE/	NUMBER	NCE	PUBLICA
		WOS			TION/D OI
1.		Crossref,	ISSN-	Volume	October
	International journal of current	Google Scholar	0975-	8,issue	2016
	Research(Formulation and		833X	10,pp-	
	evaluation of gel using ink gland			39607-	
	extract from Indian squid Loligo			39610.	
	duvauceli.				
2.	Indian journal of applied	REF	ISSN:	Volume	Nov2015
	Microbiology. (Antifungal activity of		2319-	4, PP-	
	cell extract of spirulina platensis	6,NAAS SCORE		1025-	
	against aflatoxin producing	5.38(2020)		1029	
	Aspergillus species).		(2015)		

3.	Asian Journal of Research in Google Pharmaceutical Scholar,Indian Sciences. (Characterization and Citation Insilico Analysis of Cassia auriculataIndex,PSOAR against Multi drug Resistant Klebsiella pneumoniae Isolated from Inanimate Origin).	ISSN 2231– 5640 (Print) 2231– 5659 (Online)		July- September 2021 .
4	International Journal of Scientific Research (Biodegradation of Laboratory Dyes using bacterial monocultures and their Consortium). Google Scholar, DJOF, ndian Citation Index	ISSN No. 1 2277 -	10 Issue	April - 2021 DOI : 10.36106/ijsr
5	Nature, Environment and Pollution UGC CARE Technology. (Amylase production by II, SCOPUS Aspergillus niger and Penicillium species by solid-state and submerged cultivation using two food industrial wastes).	ISSN 0972- 6268(PRI NT); ISSN 2395- 3454(ON LINE)	pp. 1127-	September ,2021
6	Indian Journal of Environment UGC CARE II, Protection(Construction of a Medium 0.4 for Pseudomonas fluorescens from SJR 2021 Local Resource and its Trial 0.137 Application as a Biopreservative SNIP 2021	0253- 7141)	(Vol. 42 No. 11 pp 1292-	

WORKSHOPS

S.no.	Organized by	State/National/I nternational	Topic	Date(s)
1	Internal Quality Assurance Cell, Ethiraj College for women.	National	Potential for Excellence to Excellence in Higher Educational Institutions	
2	State council of Educational research and training conducted at Dhanalakshmi Engineering college, Kancheepuram district	State	Tamilnadu Syllabus Drafting workshop	to 13.10.2017.
3	State council of Educational research and training	State	Textbook writing workshop for class XI	13.11.2017 to

	conducted at ASHA NIVAS			15.11.2017
4	Workshop conducted at Department of Microbiology,Ethiraj College for Women	International	Operons and Vaccines	4.12.2017.
5	Participated in State council of Educational research and training conducted at ASHA NIVAS	State	"Microbiology Textbook writing workshop for class XI"	04.12.2017 to 09.12.2017
6	Workshop conducted at Department of Microbiology,Ethiraj College for Women	State	Microbiological Techniques for school students"	30.8.2018 & 31.8.2018
7	Workshop cum seminar conducted at Department of Microbiology, Ethiraj College for Women.	National	Recent Advances in Biological Research Data Analysis.	1.2.2019 2.2.2019 and 4.2.2019
8	AICTE Sponsored short term training program	National	prospects and Challenges in Biofuels and Bioenergy (STTP- PCBB 2019)	11.11.2019 to 16.11.2019
9	Workshop conducted at Department of Microbiology,Ethiraj College for Women.	State	Intellectual Property Rights and their Implications	22 nd January 2020.
10	Workshop conducted at Ethiraj College for Women	State	"Intellectual Property Rights and their Implications"	22.01.2020
11	Internal Quality Assurance Cell, Ethiraj college for Women.	National	Learning Management system and Open Education Resources: A Student-Centric Approach	25 th January 2020
12	Ethiraj college for Women	National seminar	Health 2020-An alternative Perspective	8 on 7th January , 2020
13	Webinar series organized by Sathyabama Institute of Science and Technology in Association with Indian Association of Applied Microbiology (IAAM) and California Institute of Science, USA	International	Novel Microbes and Newer Threats	20th April to 2nd May 2020.
14	Webinar Series (Three days) organised by Department of Microbiology,Ethiraj College for Women.		Exploring and Understanding World Pandemics	11.05.2020- 13.05.2020

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26 Webinar-conducted by Department of Chemistry ,Ethiraj College for Women 27 Webinar organised by Department of		I	National	_	
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Chemistry, Ethiraj College for Women National Molecular Diagnosis of viral infections 27 webinar organised by Penartment of "How to Read Scientific" 19-12-2020		<u> </u>		Real time PCR in	•
Women National viral infections Webinar organised by How to Read Scientific 19-12-2020		-			2020.
27 webinar organised by "How to Read Scientific 19-12-2020		1	National	<u> </u>	
Department of How to Read Scientific	2.7		1 (41101141		19-12-2020
National Literature?"	- '				17 12 2020
		Department of	National	Literature?"	

	Microbiology,Ethiraj College for Women.			
28	Webinar-conducted by		Artificial Intelligence	18 March
	MANAV Human Atlas		for Medicine & Public	2021
	Initiative,Pune.	National	Health"	
29	Virtual conference organised			25th to 28th
	by Centre for Drug Discovery			August
	and			
	Developement,Sathyabama			
	Institute of Science and		Microbes and Polar	
	Technology.	National	Environment	
30	webinar organised by			10-04-2021
	Department of			
	Microbiology,Ethiraj College			
	for Women.	State	Career Scape	
31	Department of			30th
	Microbiology, School of Life		Genomics -changing the	November
	sciences, VISTAS, Pallavaram	State	landscape diagnostics	2021

CONFERENCES ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National/Int ernational	Participated/ Presented	Title	Date(s)
1	Madurai Kamaraj University	State (46 th Aquaterra Annual Conference)	Presented	Formulation of natural hair dye using herbal extract and squid ink possessing antimicrobial activity.	27/02/2 015
2	Ethiraj College for Women	National Conference	Participated	Trends and Innovations in Biological Sciences.	14-15 th Februa ry, 2018
3	Presidency College	International conference	Participated	Computational simulation in natural sciences (SIMSCI 2018).	4 th to 6 th April, 2018
4	Ethiraj College for Women, Chennai	National		Natural Resource Management for sustainable future	26-04- 2022 to 27-04- 2022
5	Ethiraj College for Women and MBSI Chennai	National		Integrative Approach for Conservation of Life Systems	05-01-23 to 06-01- 23

SEMINARS,

S.No	Organized by	State/national/	Topic	Date(s)
		international		
1	Ethiraj college for Women	National	"Career prospects in	31 st
			Life Sciences"	January,
				2017
2	Ethiraj college for Women	One-day guest	Gut-Microbiome	October,
		lecture		2017
3	Ethiraj college for Women	National	Health 2020-An	8 on 7 th
		seminar	alternative Perspective	January
				,
				2020

CERTIFICATE COURSES /VALUE ADDED COURSES

S.no.	Offered by		Dur
			atio n
1	Swayam	Refresher course on	20Weeks
		Teacher and Teaching in	(01/09/19-15/01/20)
		Higher Education	
	"Scheme of financial assistance foe setting up of Electronics and ICT Academics" of the Ministry of Electronics and Information Technology, Government of India. Programme recognised by AICTU/UGC.	Two weeks online course (40 Hours) online course on "Directions and Dimensions of Accreditation Criteria in the light of NEP for HEI s" organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur on 3.02.2022 under the	Two weeks online course (40 Hours) online course

FDP/STTP

S.No.	Organized by	State/Natio nal/Internat ional	Topic	Date(s)
1	Sathyabama Institute of Science	International	Novel Microbes and	20 th April to
	and Technology in Association		Newer Threats	2 nd May 2020
	with IAAM and California			
	Institute of Science and			
	Medicine, USA			
2	Two weeks online Faculty	National	Managing online classes and	April 20 to
	Development Programme on		Co-Creating MOOCS	May 06,2020.
3	Shasun Knowledge Centre	State	Two Days Faculty	16^{th} and 17^{th}
			Development Programme on	May 2020
			"Statistical Application using	

			SPSS	
4	Ethiraj centre for Research, Innovation& Creativity(ECRIC)	National	Citation Database and Analysis, Scientometric Study	9 th June 2020
5	Internal Quality Assurance Cell	State	Recasting from onsite to online Pedagogy	20.07.2020 to 24.07.2020
6	organized by RUSA 2.0- Entrepreneuership and Carrer Hub,University of Madras,Chennai.	State	Drug Discovery- A Road to start Up	07.03.2022 to 11.03.2022.
7	Department of Corporate Secretaryship, Information Systems Management and Business Administration , Chennai, JBAS,India. In Association with Tamil Nadu Advanced Technical Training Institute, Chennai, India.		Professional Progression in Commerce and Management	14th to 20th December, 2022.
		International		

WEBINARS [National/International]

S.no	Organized by	State/Nati	То	Date(s)
		onal/Inter		(*)
1		national		
1	Webinar series organized by Sathyabama		Novel Microbes and	-
1	Institute of Science and Technology in		Newer Threats	May 2020.
	Association with Indian Association of			
	Applied Microbiology (IAAM) and			
	California Institute of Science, USA	International		
2			Exploring and	11.05.2020-
	Webinar Series (Three days) organised by		Understanding World	13.05.2020
	Department of Microbiology, Ethiraj		Pandemics	
	College for Women.			
3	Webinar-Modern Analytical		Modern Analytical	15th May 2020.
	Technologies for Public Health		Technologies for	
	Analysis"conducted by Department of		Public Health	
	Chemistry, Ethiraj College for Women	National	Analysis"	
4	Webinar-Patenting Inventions in India"			16.05.2020.
	organized by department of chemistry,		Patenting Inventions in	
	Ethiraj college for Women	National	India"	
5	Webinar Series (Three days) organised by		Recent trends in	16.05.2020
	Department of Microbiology, Ethiraj		Biotechnology and its	
	College for Women.	National	Opportunities	
6	E Quiz on Basics of Life Sciences"		Basics of Life	22.05.2020.
	conducted by the Department of Life		Sciences"	
	Science, Valliammal college	State		

7	One day Webinar for Higher Secondary students organised by Department of		Biology Degrees and Careers at a Glance	23.05.2020
	Microbiology, Ethiraj College for Women.		Curcors at a Granec	
8	Webinar Series (Five Days) organised by Department of Microbiology, Ethiraj College for Women.	National	1	25.05.2020- 29.05.2020
9	Biotechnology on line Quiz programme organised by Karpagam Academy of Higher Education on		Biotechnology	05.07.2020.
10	Webinar-The Trinity of COVID -19: Immunity,Implications and Interventions" between		The Trinity of COVID -19: Immunity,Implications and Interventions"	4 to 6 th June 2020
11	Webinar-COVID-19 Awareness Quiz" organized by Ranveer Rananjay PG College Amethi(UP)on		COVID-19 Awareness Quiz"	13.07.2020
12	E Quiz on Clinical Microbiology" organized by Justice Basheer Ahmed Sayeed College for Women		Clinical Microbiology"	17.07.2020.
13	Webinar-organised by Department of Microbiology, Madras Christian College	National	C	24th and 25th July 2020.
14	Webinar-conducted by Department of Chemistry, Ethiraj College for Women		Real time PCR in Molecular Diagnosis of viral infections	
15	webinar organised by Department of Microbiology, Ethiraj College for Women.		"How to Read Scientific Literature?"	19-12-2020
16	Webinar-conducted by MANAV Human Atlas Initiative, Pune.	National	Artificial Intelligence for Medicine & Public Health"	
17	Virtual conference organised by Centre for Drug Discovery and Developement, Sathyabama Institute of		Microbes and Polar Environment	25 th to 28 th August
18	webinar organised by Department of	State	Career Scape	4-10-2021
19	Department of Microbiology,School of Life sciences, VISTAS, Pallavaram		Genomics -changing the landscape	
		National	diagnostics	

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