

## 1. Personal Information:

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## Educational Qualifications:

SI.No.	Name of the Program/ Test	Institution & University/ Agency	Year
1.	Ph. D	Mahatma Gandhi University, Kottayam	2020
2.	NET	CSIR-UGC	2014
3.	M. Sc	St. Berchman's College, Changanacherry	2011
4.	B. Sc	St. Berchman's College, Changanacherry	2009

## 2. Career Profile:

SI. No.	Name of the Institution	Designation	Period of Service
1.	St. Dominic's College, Kanjirappally	Assistant Professor	Feb 07, 2022 to till date
2.	SVR NSS College, Vazhoor	Guest Lecturer	Jan 04, 2021 to Feb 04, 2022
3.	SVR NSS College, Vazhoor	Guest Lecturer	

			Aug 01, 2012 to Dec 07, 2012
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### 3. Area of Specialization/Research Interests:

- Freshwater Ecology
- Hydrobiology
- Algal technology
- Algal nutraceuticals and biofuel

### 4. Research Publications:

Sl. No	Title of Article	Journal	Publisher	Year	ISBN/ISS N...
1	Metabolic profiling, Antioxidant, Cytotoxic and Antibacterial activities of Two Marine Macroalgae from Southeast coast of Tamil Nadu, India	Indian Hydrobiology	KIA	2024	0971-6548
2	Protective Effect of (+)-Catechin Against Lipopolysaccharide Induced Inflammatory Response in RAW 264.7 Cells through Downregulation of NF- $\kappa$ B and p38 MAPK	Inflammopharmacology	Springer	2021	0925-4692
3	Nutraceutical applications of twenty-five species of rapid-growing green-microalgae as indicated by their	Algal Research	Elsevier	2020	2211-9264

	antibacterial, antioxidant and mineral content				
4	Phytoplankton communities of eutrophic freshwater bodies (Kerala, India) in relation to the physicochemical water quality parameters	Environment, Development and Sustainability	Springer	2020	1387-585X
5	Experimental evaluation of the culture parameters for optimum yield of lipids and other nutraceutically valuable compounds in <i>Chloroidium saccharophilum</i> (Kruger) comb.	Renewable Energy	Elsevier	2020	0960-1481
6	Bioprospecting of Three Rapid-Growing Freshwater Green Algae, Promising Biomass for Biodiesel Production.	BioEnergy Research	Springer	2019	1939-1234
7.	. Biomass yield and biochemical profile of fourteen species of fast-growing green algae from eutrophic bloomed freshwaters of Kerala, South India.	Biomass and Bioenergy	Elsevier	2018	0961-9534
8	Biomass yield, oil productivity and fatty acid profile of <i>Chlorella lobophora</i> cultivated in	Biocatalysis and Agricultural	Elsevier	2017	1878-8181

	diverse eutrophic wastewaters.	Biotechnology			
9	Experimental assessment of productivity, oil-yield and oil-profile of eight different common freshwater-blooming green algae of Kerala	Biocatalysis and Agricultural Biotechnology	Elsevier	2016	1878-8181
10	<i>Chlorococcum humicola</i> (Nageli) Rabenhorst as a Renewable Source of Bioproducts and Biofuel.	Journal of Plant Studies	Canadian Center of Science and Education	2016	1927-0461
11	Biomass Productivity and Fatty Acid Composition of <i>Chlorella lobophora</i> V M Andreyeva, a Potential Feed Stock for Biodiesel Production	American Journal of Plant Sciences	Scientific Research	2015	2158-2750

## 5. Seminars /Workshops Attended/Papers Presented/ Invited talks

Sl. No	Title of Presentation	Name of the Programme	Venue	Date

	Green Power and Wellness: Bioprospecting Kerala's Microalgal Marvels	Cryptogamic flora of Western Ghats	Nirmalagiri College, Kannur	15th December 2023
	Biostimulant effects of marine macroalgal extract on <i>Solanum lycopersicum</i>	Biodiversity conservation and sustainable development	Alphonsa College, Pala,	15 <sup>th</sup> , 16 <sup>th</sup> January 2024
	Evaluation of the biostimulant effects of three marine macroalgae on <i>Capsicum annuum</i> L.	Virtual International conference on Role of Science and Technology in achieving Sustainable Development Goals	Newmans College, Thodupuzha	16th and 17th June 2023
1.	Chaired session: 'Preventing antimicrobial resistance: One health approach'	International Conference on Emerging Trends in Plant Science Research	Catholicate College, Pathanamthitta	06th March 2023
2.	Bioprospecting of <i>Chondracanthus</i> sp and <i>Chaetomorpha</i> sp as a Potential Bioresource of Bioactive Compounds	National Seminar on Emerging Trends in Life Sciences	Alphonsa College	10th March 2023
3.	A Study On Algal Flora Of St. Dominic's College Campus, Kanjirappally	National Seminar on Emerging Trends in Life Sciences	Alphonsa College	10th March 2023
4.	Indigenous freshwater green algae of Kerala as a bioresource for Nutraceuticals	DST-UKERI International workshop	Mahatma Gandhi University, Kottayam	20th January 2022

5.	Nutraceutical Prospecting of Freshwater Green-Microalgae (Resource Person)	National Webinar	Department of Botany, St Joseph University, Nagaland	8th May 2021
6.	Metabolomic profiling of <i>Earliella scabrosa</i> , <i>Daedalopsis confragosa</i> , <i>Ganoderma</i> sp, <i>Trametes betulina</i> and <i>Nigroporous</i> by GCMS approach (Presented)	Online national conference on recent trends in biology	Newman College, Thodupuzha, Kerala	27 <sup>th</sup> and 28 <sup>th</sup> September 2021
7.	Industrially valuable indigenous freshwater green algae of Kerala (Presented)	XLII All Indian Botanical Congress	Calicut University, Kerala	26 <sup>th</sup> and 28 <sup>th</sup> November 2019
8.	Nutraceutical prospecting of freshwater green-microalgae (Presented)	National Conference on Bioprospecting of algae-Resources conservation and utilization (NCBPA19)	Department of Plant Sciences, Central University of Kerala	01 <sup>st</sup> and 02 <sup>nd</sup> August 2019
9.	Ecotechnological perspectives of green algae for sustainable development (Presented)	National seminar on Ecotechnological Perspectives for Sustainable Development	School of Biosciences , Mahatma Gandhi University, Kottayam.	27 <sup>th</sup> and 28 <sup>th</sup> July 2017

10.	<i>Chlorococcum humicola</i> (Nageli) Rabenhorst as a Renewable Source of Bioproducts and Biofuel (Presented)	Kerala Science Congress,	Thiruvalla	2017
11.	Diversity of fast growing algae of bloomed temple ponds in Kerala (Presented)	National Biodiversity Congress,	Thiruvananthapuram	2017

## 6. Books/Chapters in Books

Sl.No	Name of Book	Title of the Chapter	Publisher	ISBN
1	Sustainable Bioprocessing for a Clean and Green Environment: Concepts and Applications.	Nutraceutical prospects of green algal resources in sustainable development	CRC Press.	978-1-003-03539-8

## 7. Positions held or holding if any

Sl.No.	Details
1	Reviewer, <i>Environmental Monitoring and Assessment</i> (2025-Present)

	Class teacher- UG 1 Botany
2	Reviewer, <i>Biomass and Bioenergy</i> -Elsevier (2020- Present)
3	Reviewer, <i>Applied Phycology</i> - Taylor and Francis (2021- Present)
4	Reviewer, <i>Reflections</i> (2023- present)
5.	Mobilization of funds- Member
6.	Justice Gender Forum- Member
7.	Virtual and Distance Learning- Member

#### 8. Courses attended for Professional Development:

Sl.No	Name of the course	Organizing Institute	Period
	One Week FDP on Data Analysis Python and R (Online Mode)	REST Society for Research International(RSRI) Krishnagiri, Tamil Nadu, India.	13 May 2024 to 17 May 2024
	RNA Biology	NPTEL	Jan- April, 2024



	Introduction to Biostatistics	NPTEL	July-Sep, 2023
1.	Artificial intelligence as a magical tool for teachers and researchers	SH College, Thevara	27th July, 2023
2	Demystifying Outcome Based Education	St. Dominic's College, Kanjirappally	29 July 2023 to 05 August 2023
3	ChatGPT & AI Tools for Educators, in-line with OBE	St Joseph's College (Autonomous), Irinjalakuda	19 July to 26 July 2023
4	Two-week refresher course	Telangana Mahila Viswavidyalayam, Hyderabad	01 June- 16 June 2023
5	Outcome Based Education (OBE)	Nirmala College, Muvattupuzha	10 May- 17 May 2023
6	Introduction to cell biology	NPTEL	22 August-11 October 2022
7	4-Week Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education	Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with SST College Of Arts & Commerce, Ulhasnagar, Maharashtra and Hindu	15 February – 16 March, 2022

		College, Moradabad, Uttar Pradesh	
8	Developing MOOCs: Concepts and Tools	Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with Shri Shankarlal Sundarbai Shasun Jain College for Women, Tamil Nadu	16 to 22 December 2021
9	Teaching-Learning Methods: From Micro-Teaching to Peer Learning	Teaching Learning Centre, Ramanujan College University of Delhi	05 to 11 October 2021
10	ICT-ENABLED TEACHING AND LEARNING	Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with Dhing College Nagaon, Assam	20 to 26 September 2021

## 9. Others

GenBank submission: 17