

<b>Name</b>	<b>Dr. R. Mary Santhi</b>
<b>Qualification</b>	<b>M.Sc., M.Phil., Ph.D.</b>
<b>Designation</b>	<b>Assistant Professor</b>
<b>Year of Joining</b>	<b>17/06/2019</b>
<b>Specialization</b>	<b>Algae and Microbiology</b>
<b>Email id</b>	<a href="mailto:rms.santhi@gmail.com"><u>rms.santhi@gmail.com</u></a>
<b>Mobile No.</b>	<b>9790925505</b>



#### **Seminars/ Workshops/ FDP/ Conferences**

<b>Title of the Workshop/ Seminar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Biodiversity Conservation and Ecosystem Restoration	National	Paper presented	Diversity of macroalgae communities and their influence by physico chemical parameters in the coasts of Hare Island, India	Biodiversity Club, Department of Botany, Vimala College (Autonomous), Thrissur, Kerala	10.12.2021
Emerging Trends in Algae	National	Paper presented	Membrane-targeted antifungal mechanism of semi purified fraction of <i>Hypnea musciformis</i> within <i>Candida albicans</i>	Department of Botany, St. Xavier's College (Autonomous), Palayamkottai, Tirunelveli	28.11.2019 & 29.11.2019

Group theory & its applications in Chemistry	National	Paper presented	Screening of antifungal activity of red marine algae <i>H. musciformis</i> against medically and agriculturally important fungi	Department of Chemistry, Nesamony Memorial Christian College, Marthandam	01.08.2019 & 02.08.2019
Contemporary Environmental Issues and Conservation of Southern Western Ghats	National	Paper presented	Antifungal activity of <i>Hypnea musciformis</i> against medically and agriculturally important fungi	Department of Botany, Nesamony Memorial Christian College, Marthandam	07.02.2019 & 08.02.2019
Contemporary Environmental Issues and Conservation of Southern Western Ghats	National	Poster presented	Antibacterial studies on <i>Hypnea musciformis</i> against selected human pathogens	Department of Botany, Nesamony Memorial Christian College, Marthandam	07.02.2019 & 08.02.2019
Third International Conference of KAAS	International	Paper presented	Antimicrobial studies on <i>Hypnea musciformis</i> against selected pathogens	Nesamony Research Forum, Nesamony Memorial Christian College and Kanniyakumari Academy of Arts and Sciences	28.09.2018 & 29.09.2018
Third International Conference of KAAS	International	Paper presented	Antifungal studies on semipurified fraction of <i>Hypnea</i>	Nesamony Research Forum, Nesamony Memorial Christian	28.09.2018 & 29.09.2018

			<i>musciiformis</i> against <i>Candida</i> <i>albicans</i>	College and Kanniyakumari Academy of Arts and Sciences	
Natural Dyes and their Applications	National	Participated	-	Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli	13.02.2017
Advances in Microscopy, Histochemistry and Plant Microtechniques	National	Participated	-	Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli	19.12.2016 to 21.12.2016
Impact of Climate Change on Environment and Biodiversity	National	Participated	-	Sri Paramakalyani Centre for Excellence in Environmental Sciences, Manonmaniam Sundaranar University, Alwarkurichi	26.03.2015 & 27.03.2015
Current Trends in Marine Plants Research and Utilisation	National	Paper presented	Pesticidal and larvicidal activity of selected marine algae collected from shores of Tamilnadu, India	Perunthalaivar Kamarajar Arts College, Puducherry and Seaweed Research and Utilisation Association, Tuticorin	26.10.2012 to 28.10.2012
Conservation and Management of Wetlands in an Era of Climate Change	National	Paper presented	Effect of organic and inorganic manures on the growth and yield of <i>Abelmoschus</i> <i>esculentus</i>	Department of Botany, Nesamony Memorial Christian College, Marthandam, Kanyakumari District, Tamil	01-03-2010 & 02-03-2010

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Conservation and Management of Wetlands in an Era of Climate Change	National	Paper presented	Studies on co-inoculation of <i>Azospirillum</i> with organic manures on a vegetable crop <i>Abelmoschus esculentus</i>	Department of Botany, Nesamony Memorial Christian College, Marthandam, Kanyakumari District, Tamil Nadu	01-03-2010 & 02-03-2010
Climate Change: Biodiversity and Livelihoods	One day Seminar	Participated	-	Department of Plant Biology and Biotechnology, Madras Christian College, Chennai	13.03.2009
Algae in Agriculture and Food Industry	National	Participated	-	PG and Research Dept. of Plant Biology and Plant Biotechnology, Pachaiyappa's College, Chennai – 30	20.09.2008 & 21.08.2008
Environmental Sustainability of Western Ghats of India	National	Participated	-	Department of Botany, Nesamony Memorial Christian College, Marthandam, Kanyakumari District, Tamil Nadu	16.08.2007 & 18.08.2007
Entrepreneurship Awareness Camp	State level	Participated	-	Centre for Entrepreneurship Development (Tamil Nadu)	29.03.2005 to 31.03.2005
Wild Life	-	Participated	-	Nesamony Memorial Christian College, Marthandam,	08.01.2003

				Kanyakumari District, Tamil Nadu	
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### Workshop/ Webinar/ FDP

<b>Title of the Workshop/ Webinar/ FDP</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
International Webinar on “Importance of IP in Scientific Research – An Overview”	International	Participated	-	Marian Research Forum, St. Mary’s College (Autonomous), Thoothukudi	01.03.2022
Two Weeks International Workshop on “Research Methodology, Academic Writing and Publishing	International	Participated	-	Research Forum in Association with IQAC, Sir Syed College, Taliparamba, Kerala	15.02.2022 – 26.02.2022
Advances in Plant Sciences	National	Participated	-	Department of Botany, Goa University	03.02.2022 & 04.02.2022
Angiosperm Systematics	International	Participated	-	St. Berchman’s College (Autonomous), Changanassery, Kerala	03.02.2022
Angiosperm Systematics	International	Participated	-	St. Berchman’s College (Autonomous), Changanassery, Kerala	02.02.2022
Online Workshop on "Molecular Systematics"	National	Participated	-	Dept. of Botany, Madras Christian College, Chennai	22.11.2021 – 01-12-2021
Virtual Training on “Biodiversity of Microalgae and its Identification Techniques – tapping the ancient power of microalgae”	National	Participated	-	PG Department of Botany, Srimad Andavan Arts and Science College (Autonomous), Trichy, Tamil Nadu	28.10.2021 – 30.10.2021

Workshop on Academic writing: Ethical Issues	International	Participated	-	Global Institute of Statistical Solutions	05.08.2021 – 07.08.2021
e-Training Programme on Dehydrated Floral Crafts	National	Participated	-	CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow	20.07.2021
FDP on Biotechnology for 21st Century	International	Participated	-	Marian Star Centre, PG and Research Department of Botany, St. Mary's College (Autonomous), Thoothukudi	19.07.2021 – 24.07.2021
e-Training Programme on Home Gardening	National	Participated	-	CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow	06.07.2021 – 08.07.2021
FDP on Basic Techniques in Microbiology (Phase IV)	International	Participated	-	Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India	04.07.2021 – 08.08.2021
International workshop on “Current Trends in Biostatistics”	International	Participated	-	Department of Zoology and Research Centre in association with IQAC, Nesamony Memorial Christian College, Marthandam	29.06.2021

Webinar on “Why Should We Care For The Environment”	National	Participated	-	Enviro Club of Guru Nanak College (Autonomous), Chennai	29.06.2021
Two Day Orientation Programme on Towards a Constructive Framework for Fostering Challenge and Innovation in Higher Education	National	Participated	-	Internal Quality Assurance Cell, St. Mary’s College (Autonomous), Thoothukudi	07.06.2021 - 08.06.2021
National Level Workshop on E-content Development	National	Participated	-	Internal Quality Assurance Cell, St. Ann’s College, Kokrajhar, Assam	07.06.2021 - 12.06.2021
Virtual International Conference on Advancements in Arts, Science and Humanities	International	Paper presented	Membrane-targeted action antifungal mechanism of <i>Hypnea musciformis</i> against <i>Candida albicans</i>	Association of Global Academicians and Researchers (AGAR) and Association of Indian Biologists (AIB)	06.06.2021
Summer Internship on Application of DNA Barcodes in Systematics and Biogeography-a Phyloinformatics Approach	National	Participated	-	Department of Botany, Madras Christian College (Autonomous), Chennai-57	03.06.2021 - 19.06.2021



Certificate Course in Bioinformatics	National	Participated	-	Academic Council of Association of Indian Biologists, Tirupattur, Tamil Nadu	01.06.2021 - 28.06.2021
National STC on Graphics Design for Teachers	National	Participated	-	Marian Star Centre, St. Mary's College (Autonomous), Thoothukudi	26.05.2021 - 31.05.2021
Webinar on "Covid 19 Variants - Health and Safety"	National	Participated	-	Department of Microbiology, St. Mary's College (Autonomous), Thoothukudi	19.05.2021
Faculty Training Programme on "Computational Biology"	FTP	Participated	-	PG and Research Department of Zoology, St. Mary's College (Autonomous), Thoothukudi	06.05.2021 - 11.05.2021
Online FDP On Advanced Research Methodology	FDP	Participated	-	Amiruddaula Islamia Degree College & Science Tech Institute, Lucknow, Uttar Pradesh	21.03.2021 - 27.03.2021
Impact of Climate Change on Western Ghats Biodiversity	FDP	Participated	-	Vivekananda College, Madurai	26.02.2021
Workshop on Fungal Systematics and Technological Advances	National	Participated	-	Department of Botany, Shri Shivaji Science College, Shivaji Nagar, Morshi Road, Amravati (MS), India and Mycological Society of India	29.11.2020 - 30.11.2020
Online Teaching-Make it Easy	National	Participated	-	Internal Quality Assurance Cell (IQAC), Government Arts	09.08.2020

				and Science College (Women), Sathankulam, Tamil Nadu	
Biotechnology: A Sustainable Energy Solution	International	Participated	-	PG and Research Department of Zoology, St. Mary's College, Thoothukudi, TamilNadu	08.08.2020
Natural Pesticide for the Betterment of Eco-system - Present Status and Future Prospects	National	Participated	-	PG & Research Department of Botany, V.O.Chidambaram College, Thoothukudi, TamilNadu	12.06.2020
Time for Nature	National	Participated	-	Research Centre and Post Graduate Department of Environmental Sciences All Saints' College, Thiruvananthapuram, Kerala	12.06.2020
Webinar on Resurgence of the Society in the post COVID -19 Scenario	National	Participated	-	Department of Zoology, Botany and IQAC, Sree Ayyappa College For Women, Chunkankadai, Kanyakumari, Tamil Nadu	11.06.2020
Webinar on Biodiversity - Urgent And Existential Concerns	-	Participated	-	PG and Research Department of Botany, St. Mary's College, Thoothukudi,	10.06.2020

				TamilNadu	
Webinar on Current Status of Pteridophytes of Western Ghats of India	National	Participated	-	Sarah Tucker College (Autonomous), Tirunelveli, TamilNadu	29.06.2020
Workshop on ICT Tools for Smart Teaching	National	Participated	-	Servite College of Education for Women, Thogamalai, Karur, TamilNadu	18.06.2020 - 20.06.2020
Webinar on Mangrove Environment	National	Participated	-	A. Veeriya Vandayar Memorial Sri Puspham College (Autonomous), Poondi, Thanjavur, TamilNadu	05.06.2020
Online Course on Time For Nature	International	Participated	-	International Youth Society, Tuticorin Chapter	05.06.2020
Webinar on Biodiversity Conservation with Special Reference to Agrobiodiversity	National	Participated	-	PG & Research Department of Botany, V.O.Chidambaram College, Thoothukudi, TamilNadu	04.06.2020
Webinar on Bioprospecting of Medicinal Plants: Challenges and Opportunities	National	Participated	-	PG & Research Department of Botany, V.O.Chidambaram College, Thoothukudi, TamilNadu	03.06.2020

Webinar on Mössbauer Spectroscopy - Elucidation of Magnetic Compounds in Biological System	-	Participated	-	PG and Research Department of Botany, St. Mary's College (Autonomous), Thoothukudi, TamilNadu	02.06.2020 & 03.06.2020
Webinar on Life Sciences Challenges and Opportunities: COVID-19 Pandemic	National	Participated	-	Faculty of Life Sciences, St. Aloysius' College (Autonomous), Jabalpur	01.06.2020 & 02.06.2020
Webinar on Invisible Scholars: Students with Learning Disabilities and Identification of Students with Learning Disabilities	International	Participated	-	IQAC, St. Mary's College (Autonomous), Thoothukudi, TamilNadu	02.06.2020
Webinar on Covid-19 Evolution and Pathogenicity	National	Participated	-	Department of Biotechnology, Maris Stella college, Vijayawada, Krishna District, Andhra Pradesh	29.05.2020
Webinar on Insights into Emerging Diseases - Diagnosis and Therapeutics	National	Participated	-	Department of Zoology, Lady Doak College (Autonomous), Madurai, TamilNadu	26.05.2020 to 28.05.2020
Webinar on Teacher Resilience – The Blueprint for Efficiency during Uncertainty	-	Participated	-	St. Mary's College (Autonomous), Thoothukudi, TamilNadu	23.05.2020
Webinar on Phytotherapeutics - Drug Discovery	National	Participated	-	Department of Botany & Biotechnology, St. Pious X Degree & PG College for	23.05.2020

				Women, Hyderabad	
Webinar on Novel Biotechnological Approach to Sustain in Pandemic Scenario	International	Presented	An antifungal mechanism of <i>Hypnea musciformis</i> lies in membrane-targeted action within <i>Candida albicans</i>	Department of Biotechnology & Research SNMV CAS, Coimbatore, TamilNadu	18.05.2020 to 21.05.2020
Webinar on “Novel Insights on Rapid Diagnostic Methods and Drug Discovery for COVID – 19	State	Participated	-	Department of Zoology, Sadakathullah Appa College (Autonomous), Tirunelveli, TamilNadu	20.05.2020
Two-day online workshop on Mental Health and Psychological Consideration During Lockdown	-	Participated	-	St. Mary’s College (Autonomous), Thoothukudi, TamilNadu	13.05.2020 to 14.05.2020
Webinar on Psychological First-Aid	-	Participated	-	Department of Psychology, St. Mary’s College (Autonomous), Thoothukudi, TamilNadu	11.05.2020

### Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Antifungal studies on <i>Hypnea musciformis</i> against medically and agriculturally important fungi	Mary Santhi. R	Indian Hydrobiology	2021	20 No. 2		257-262

Antibacterial studies on <i>Hypnea musciformis</i> against selected bacterial pathogens	Mary Santhi. R	Indian Hydrobiology	2021	20 No. 2		251-256
The role of <i>Colocasia esculenta</i> L. schott in phytoremediation of detergents under laboratory conditions	Mary Santhi. R, Dharshini. M., Epziba. GG., Gowsalya. K., Harini. R., Jothi. MI and I. Lydia					
Assessment of Water Quality Parameters along the Selected Coastal areas of Thoothukudi	Akila K, Justina MA., Aswini JA., Brightsha. J, Iwin. TC., Chitra., <b>Santhi RM</b> and RM Evanjaline					
An antifungal mechanism of <i>Hypnea musciformis</i> lies in membrane-targeted action within <i>Candida albicans</i>	<b>Mary Santhi, R.</b>	Genes Magazine	2020	2	-	20
Antifungal activity of <i>Hypnea musciformis</i> against medically and agriculturally important fungi	<b>Mary Santhi, R.,</b> Thampi Raj, S.	Proceedings of National Conference on Contemporary Issues	2019	-	-	208-211
Antibacterial studies on <i>Hypnea</i>	<b>Mary Santhi, R.,</b> Thampi Raj, S.	Proceedings of National Conference on	2019	-	-	212-215

<i>musciiformis</i> against selected human pathogens		Contemporary Issues				
Antibacterial studies on <i>Hypnea musciiformis</i> against selected pathogens	<b>Mary Santhi, R.</b>	International Journal of Scientific Development and Research	2019	4	5	459-463
Antifungal studies on semi purified fraction of <i>Hypnea musciiformis</i> against <i>Candida albicans</i>	<b>Mary Santhi, R.,</b> Thampi Raj, S.	Proceedings of third International Conference of KAAS	2018	-	-	24-26
Collection, preservation and observation of algae', Advances in microscopy histochemistry and plant microtechniques	<b>Mary Santhi, R.</b>	Proceedings & Lab manual: Workshop on Advances in Microscopy, Histochemistry and Plant Microtechniques	2016	-	-	112-114
Biopotential of liquid seaweed fertilizer on <i>Vigna mungo</i> and <i>Vigna radiate</i>	<b>Mary Santhi, R.,</b> Thampi Raj, S.	Seaweed Research and Utilisation	2015	37	2	103-106
Screening of antimicrobial and pesticidal activity of <i>Caulerpa racemosa</i> and <i>Sargassum wightii</i>	<b>Mary Santhi, R.,</b> Thampi Raj, S.	Seaweed Research and Utilisation	2014	36	1&2	54-58
Antibacterial activity on selected medicinal plants of Cape Comorin.	Thampi Raj, S., <b>Mary Santhi, R.</b>	Indian Journal of Botanical Research	2008	4	3&4	427-432

**Others:****Certificate Courses**

<b>Course</b>	<b>University /Institution</b>	<b>Class</b>	<b>Year</b>
Experimental Biotechnology	NPTEL-AICTE		<b>2021</b>
Plant tissue culture and molecular techniques	Manonmaniam Sundaranar University, Tirunelveli	-	2016
Office Automation	Small Industries Service Institute	C+	2006

**Responsibilities Held**

- Faculty of Christian studies class - 2010 -2011, Holy Cross College (Autonomous), Trichy
- Member of Eco initiative on Campus - 2015-2016
- Discipline Committee 2019-2021
- Green campus 2019-2021

**Awards Received & Achievements**

- Stanley Jones merit Endowment prize, 2006
- MS University I<sup>st</sup> Rank, 2006 B.Sc., Botany
- UGC National Scholarship, 2007 for first rank
- MS University IV<sup>th</sup> Rank, 2008 M.Sc., Botany
- Best poster presentation award, 2019

**Employment Details**

- 8<sup>th</sup> February, 2010 – 21<sup>st</sup> April 2010, 16<sup>st</sup> June 2010 - 30<sup>th</sup> June 2011 (FDP vacancy), 1<sup>st</sup> July - 17<sup>th</sup> December 2011, Holy Cross College (Autonomous), Trichy.
- 7<sup>th</sup> November 2014 – 30<sup>th</sup> April 2015, 29<sup>th</sup> August 2015 - 30<sup>th</sup> April 2016, 26<sup>th</sup> October 2016 – 20<sup>th</sup> December 2016, 5<sup>th</sup> January 2017 - 30<sup>th</sup> April 2017, Manonmaniam Sundaranar University, Tirunelveli.