Name	Dr. J. Martin Rathi
Qualification	M.Sc., Ph.D.,
Designation	Associate Professor in Chemistry
Year of Joining	27.06.1988
Specialization	Natural Products Chemistry
Email id	drjmrathi@gmail.com



Seminars/Workshops/FDP

Title of Workshop/ Seminar/ FDP/ Conferences	Type	Paper Presented/ Participated	Title of the Paper	Organized By	Date
7th Biopesticides International Conference (BIOCICON 2025) on Biopesticides for Sustainability to Plant and Animal Welfare	International Conference	Participated	-	Indian Academy of Biopesticides (InABP), Kanyakumari 629702, Tamilnadu, India	26.09.2025 & 27.09.2025
7th Global conference on Applied Microbiology and Biotechnology	Global Conference	Presented	Pharmacognostical Characterisation of three medicinal plants	Conference Series.com In Rome, Italy	18.11. 2019 & 19.11.2019
One Day Workshop on "Chemist as Entrepreneur cum Hands on Training on "House Hold Articles	State level workshop	Participated	-	Department of chemistry, St. Mary's College, Thoothukudi	18.07.2019
Green Chemistry for Clean Environment	National Conference	Participated	-	Department of Chemistry St.Mary's College (Autonomous) Thoothukudi	07.12.2017 & 08.12.2017

Cosmic concerns: An interdisciplinary Dialogue in Applied ethics	State	Participated	-	IQAC St.Mary's College (Autonomous)Thoothukudi	27.01.2017 & 28.01.2017
Quality Enhancement in Higher Education: Teaching, Learning & Evaluation	National	Participated	-	IQAC St.Mary's College (Autonomous)Thoothukudi	07.01.2016 & 08.01.2016
Towards Inclusive, Equitable, Secular and Quality Higher Education for all	State Level Seminar	Participated	-	MUTA	27.09.2014
Institutional Quality Improvement: Role of Information and Communication Technology	National	Participated	-	IQAC St.Mary's College (Autonomous) Thoothukudi	31.01.2014 & 01.02.2014
Biocicon 2013	International Conference	Participated	-	Crop protection research centre(CPRC), Department of Zoology, St.Xavier's College(Autonomous), Palayamkottai	28.11.2013 to 30.11.2013
Current trends in chemistry	National Seminar	Participated	-	Department of Chemistry, A.P.C.Mahalaxmi College for women, Thoothukudi	07.08.2013
State level Seminar on New Perspectives on Choice Based Credit System (CBCS) in Tamilnadu.	State	Participated	-	UGC, Jointly organized by MUTA V.O.C college, Thoothukudi	18.02.2012
E-Resources- A Must In Today's Scholarly World	Intercollegiate	Participated	-	Department of Library St.Mary's College (Autonomous) Thoothukudi	19.10.2012
Third Biopesticdes international conference	International Conference	Participated	-	CSIR,DST,ICMR,UGC, TNSCST St. Xavier's College, Palayamkottai	28.11.2011 to 30.11.2011.

Biopesticdes international conference	International Conference	Presented	Insecticidal activity of methanolic pooled fractions of *Lantana wightiana* Wall.	St.Xavier's College, Palayamkottai	26 .11.2009 to 28.11. 2009
Biopesticdes international conference	International Conference	Presented	Qualitative phytochemi cal screening of some locally available insecticidal plants.	St.Xavier's College, Palayamkottai	28.11.2007 to 30.11.2007
National Seminar On Biodegradation and Bioremediation	National Seminar	Presented	Antibacteria l activity of *Lantana wightiana* Wall. (*Verbenace ae*). In: ,	Department of Biochemistry and BiotechnologySo urashtra College, Madurai, Tamil Nadu, India	17 .9.2004 & 18.9.2004
National seminar on Rural Biotechnology for Sustainable Development	National Seminar	Presented	Insecticidal activity of aerial parts of Synedrella nodiflora Gaertn. In:	Department of Biology, Gandigram Rural Institute, Gandhigram, Tamil Nadu, India	19.02.2004 & 20.02. 2004
National Seminar on New Millennium Strategies for Quality, Safety and GMPs of Herbal Drugs/Products,	National Seminar	Presented	Aerial parts of Premna tomentosa Willd. an effective insecticide. In :	National Botanical Research Institute, Lucknow	11.11.2003 & 13.11.2003
International Seminar on Recent Advances in Biotechnology,	International Seminar	Presented	Insecticidal activity of *Lantana wightiana* Linn. on *Spodoptera litura* (Fab.). In:	Ponnaiyah Ramejayam Group of Institutions, Thanjavur, Tamil Nadu, India	24.02.2003 & 25.02.2003

Webinar/ Online Workshop / Online FDP attended

Name	Department	Webinar/ Online Workshop / Online FDP	Paper Presented/ Participated	Title	Organised By	Date
Dr J Martin Rathi	Chemistry	A One Day Virtual Workshop	Participated	Instrumental Analysis of Biochemical Constituents in Food	Marian Star Centre Department of Chemistry St. Mary's College (Autonomous), Thoothukudi	29-Oct-2020
Dr J Martin Rathi	Chemistry	International Webinar	Participated	"Plasmon-Enhanced Spectroscopy and its Role in Analytical Chemistry"	Research & PG Department of Chemistry, Saraswathi NarayananCollege, Madurai, Tamil Nadu, India	24 -Jul-2020.
Dr J Martin Rathi	Chemistry	Webinar	Participated	An overviewof Development of Drugs and Vaccines for the Current Pandemic"	Department of Chemistry, St.Mary's College (Autonomous), Thoothukudi	20-Jul-2020
Dr J Martin Rathi	Chemistry	National Webinar	Participated	Learning to live with COVID-19:Embracing the New Reality	IQAC, St.Mary's College (Autonomous), Thoothukudi	11-Jul-2020
Dr J Martin Rathi	Chemistry	International Webinar	Participated	An Update on Covid 19	IQAC, St.Mary's College (Autonomous), Thoothukudi	10-Jul-2020
Dr J Martin Rathi	Chemistry	International webinar	Participated	FOODS:FABULOUS MEDICINES	GOVT Arts College for Women Salem	26-Jun-2020

Dr J Martin Rathi	Chemistry	International Webinar	Participated	Advanced Functional Materials for Biomedical energy	Department of Chemistry Loyola College(Autonomous) Chennai	24-Jun-2020& 25-Jun-2020
Dr J Martin Rathi	Chemistry	Webinar	Participated	Electroanalytical Techniques	American College Central Instrumentation Center, The American College, Madurai	24- Jun-2020.
Dr J Martin Rathi	Chemistry	National Level Webinar	Participated	Intermolecular Bonding	Department of Chemistry, Women's Christian College, Chennai	16- Jun-2020.
Dr J Martin Rathi	Chemistry	National Webinar	Participated	Spectroscopic Methods in Chemistry Research"	Post Graduate & Research Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore	11- Jun-2020 & 12- Jun-2020
Dr J Martin Rathi	Chemistry	International Webinar	Participated	Porous carbon-based nano Composite for energy storage and sensing Chemical biology of covid-19	PG&Research Center of Chemistry JayarajAnnapackiam College for women (Autonomous) Periyakulam	11- Jun-2020 & 12- Jun-2020
Dr J Martin Rathi	Chemistry	National Webinar	Participated	"Nano Materials	Research Department of Chemistry, SadakathullahAppa College (Autonomous), Rahmath Nagar, Tirunelveli	06-Jun-2020.
Dr J Martin Rathi	Chemistry	Webinar	Participated	"Green Extraction in Food Industries"	ResearchDepartment of Chemistry, Sadakathullah Appa College (Autonomous), Tirunelveli	05- Jun-2020.

Dr J Martin Rathi	Chemistry	International Faculty Development Programme	Participated	Invisible Scholars: Students with Learning Disabilities & Identification of Students with Learning Disabilities	IQAC, St.Mary's College (Autonomous), Thoothukud	02.-Jun-2020
Dr J Martin Rathi	Chemistry	One day online Faculty Developmental Programme	Participated	Chemistry of COVID19 Threat to global public Health	Department of Chemistry, St. Mary's College (Autonomous), Thoothukudi-628001	26-May -2020
Dr J Martin Rathi	Chemistry	Five day Online workshop	Participated	effect on Technology Methodology	Dept of Commerce with Corporate SecretaryshipKamaraj College, Thoothukudi	18-May-2020 to 22-May 2020
Dr J Martin Rathi	Chemistry	Two days online workshop	Participated	Mental Health and Psychosocial consideration during lockdown	St. Mary's College (Autonomous), Thoothukudi in association with Aadhi Foundation	13-May-2020 & 14-May -2020
Dr J Martin Rathi	Chemistry	Webinar	Participated	Psychology First Aid	Department of Psychology, St. Mary's College (Autonomous), Thoothukudi	11-May -2020

Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Green preparation of sea weed –based silver ano-liquid for cotton pathogenic fungi management	Sahayaraj, K., S. Rajesh, A. Asha, **J. M. Rathi** and V.Kumar	IET Nanobiotechnology	2018	-	-	-
Distribution and diversity assessment of the marine macroalgae at southern districts of Tamil Nadu, India	Sahayaraj, K., S. Rajesh, A. Asha, **J. M. Rathi** and Patric Raja	Indian Journal Geo-Marine Sciences	2014	43	4	607-617

Chemical constituents of essential oils of *Tephrosia purpurea* and *Ipomoea carnea* and their biological activity against banana pseudostem weevil *Odoiporus longicollis*	Sahayaraj, K., Poolpandi Kombiah, Anand K. Dikshit and **J. Martin Rathi**	Journal of the Serbian Chemical Society	2014	79		1-13
Qualitative and quantitative profiles of secondary metabolites of chosen Chlorophyta and Ochrophyta from Gulf of Mannor	Sahayaraj, K., Antony Cruz Asharaja, Sathya Moorthy Rajesh, **Jesuantony M. Rathi**	CBM - Cahiers de Biologie Marine 55: 69-76	2014	55		69-76
Biosynthesis of silver nanoparticles using *Ulva fasciata* (Delile) ethyl acetate extract and its activity against *Xanthomonas campestris pv.malvacaerum*	S.Rajesh, D.Patric Raja , **J.M.Rathi** and K.Sahayaraj	J Biopest	2012	5	supplementary	119-128
Biocidal activity of two marine green algal extracts against third instar nymph of *Dysdercus cingulatus* (Fab.)(Hemiptara: Pyrrhocoridae)	A.Asha, **J.Martin Rathi** , D.Patric Raja and K.Sahayaraj	J Biopest,	2012	5	supplementary	129-134
Marine algae for the cotton pest and disease management	K.Sahayaraj , S.Rajesh, A.Asha and **J.M. Rathi**	Proc.Inter.Conf. Agri.Science.Engi., Nigeria2012	2012	1		
Silver nanoparticles biosynthesis using marine alga *Padina Pavonica* (Linn.) and its microbicidal activity	K.Sahayaraj , S.Rajesh and **J.M. Rathi**	Digest Journal of Nanomaterials and Biostructures	2012	7	4	1557 - 1567
Compatibility of entomopathogenic fungi with extracts of plants and commercial botanicals	Sahayaraj, K., S. Karthick Raja Namasivayam and **J. Martin Rathi**	African Journal of Biotechnology	2011	10	6	933-938
Insecticidal activity of Methanolic pooled fractions of *Lantana wightiana* Wall	**J. Martin Rathi** and S. Gopalakrishnan	Journal of Biopesticides	2010	3	1	282-285

Repellent activity of plants extracts on groundnut stored pest *Tribolium castaneum* Herbst,	Sahayaraj, K., Raju, G., Kombiha, K. and **J. Martin Rathi**	Green Forming	2008	1	9	47 – 48
Qualitative Phytochemical Screening of Some Locally Available Insecticidal Plants	**Martin Rathi, J.,** Absara, S., Priyadharshini, K. and Jegathambika, V.	Journal of Biopesticdes	2008	1	1	52 – 54
Premna tomentosa Willd. – An Effective Insecticide..	**Martin Rathi, J.** and Gopalakrishnan, S.	Journal of Applied Zoological Research	2006	17	2	138 – 141.
Insecticidal Activity of Aerial Parts of *Synedrella nodiflora* Gaertn (*Compositae*) on *Spodoptera litura* (Fab.)..	**Martin Rathi, J**. and Gopalakrishnan, S.	Journal of Central European Agriculture	2005.	6	3	223 – 228
Insecticidal activity of *Lantana wightiana* (wall.) on fourth instar larvae of *Spodoptera litura* (Fab.) (Lepidoptera : Noctuidae).	**Martin Rathi, J.** and Gopalakrishnan, S.	Entomologica Croatica.,	2004.	8	1 & 2	5 – 11
Antimicrobial activity of *Premna tomentosa* Wild. To chosen pathogenic bacteria.	**Martin Rathi, J.** and Gopalakrishnan, S.	Journal of Current Science,	2004.	5	2	535 – 539
Role of phytochemicals in insect control..	**Martin Rathi, J.**	Journal of Interdisciplinary Studies and Research	1996.	5	1	81 – 85

Position held:

- As a Ph.D External Examiner, Bharthidasan University, Tiruchirapalli.
- Member of the Board of Studies - Manonmanaiam Sundaranar University, Tirunelveli 2021-2024.
- Member of the Board of Studies - G.Venkataswamy Naidu College(Autonomous),Kovilpatti 2022 – 2025.

Orientation / Refresher courses attended

- Refresher course on Recent developments in Chemistry, M. K. University, Madurai 15.11.2000 – 05.12.2000.
- Refresher course, Pondicherry University, Pondicherry 15.07.1999- 04.08.1999.
- Refresher Course on Theme – Chemistry Expanding Horizones M. K. University, Madurai 18.11.1998 – 08.12.1998.
- Orientation programme, University of Madras - 6.3. 1996 - 2.4.1996

Curricular activities

- PTA in charge 2025-2026
- Director -Centre for Entrepreneurship & Skill Excellence 2023-2025
- OSA secretary – 2019-2022
- Faculty Enrichment Forum Vice President – 2015-2016
- Faculty Enrichment Forum treasurer –2014- 2015
- Admission committee member – 2014-15
- Examination committee Co-ordinator – 2013 to 2015
- Staff advisor - Chemistry Association-2012-2013,2015-2016,2019-2020
- Examination cell member- 2009 – 2013