

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



### Seminars/Workshops/FDP

<b>Title of Workshop/ Seminar/ FDP/ Conferences</b>	<b>Type</b>	<b>Paper Presented/ Participate d</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
7 <sup>th</sup> Global conference on Applied Microbiology and Biotechnology	Global Conference	Presented	Pharmacognostical Characterisation of three medicinal plants	Conference Series.com In Rome, Italy	18-19 <sup>th</sup> November 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	7.01.2016 & 8.01.2016

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 & 1.02.2014
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.Mahala xmi 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 Biopesticides international conference	International Conference	Participated	-	CSIR, DST,ICMR, UGC, TNSCST St.Xavier's College, Palayamkottai	28.11.2011- 30.11.2011.

Biopesticides international conference	International Conference	Presented	Insecticidal activity of methanolic pooled fractions of <i>Lantana wightiana</i> Wall.	St.Xavier's College, Palayamkottai	26 .11.2009 - 28.11. 2009
Biopesticides international conference	International Conference	Presented	Qualitative phytochemical screening of some locally available insecticidal plants.	St.Xavier's College, Palayamkottai	28.11.2007 – 30.11.2007
National Seminar On Biodegradation and Bioremediation	National Seminar	Presented	Antibacterial activity of <i>Lantana wightiana</i> Wall. ( <i>Verbenaceae</i> ). In: ,	Department of Biochemistry and Biotechnology Sourashtra 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 <i>Synedrella nodiflora</i> Gaertn. In:	Department of Biology, Gandigram Rural Institute, Gandhigram, Tamil Nadu, India	19.02.2004 & 200.02. 2004
National Seminar on New Millennium Strategies for Quality, Safety and GMPs of Herbal Drugs/Products,	National Seminar	Presented	Aerial parts of <i>Premna tomentosa</i> 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 <i>Lantana wightiana</i> Linn. on <i>Spodoptera</i>	Ponnaiyah Ramejayam Group of Institutions, Thanjavur, Tamil Nadu,	24.02.2003 & 25.02.2003

			<i>litura</i> (Fab.). In:	India	
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**Webinar/ Online Workshop / Online FDP attended**

<b>Name</b>	<b>Department</b>	<b>Webinar/ Online Workshop / Online FDP</b>	<b>Paper Presented/ Participated</b>	<b>Title</b>	<b>Organised By</b>	<b>Date</b>
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  Narayanan College, Madurai, Tamil Nadu, India	24 -Jul- 2020.
Dr J Martin Rathi	Chemistry	webinar	Participated	An overview of 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:FAB ULOUS 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(Autonomou s) Chennai	24-Jun- 2020&  25-Jun- 2020
Dr J Martin Rathi	Chemistry	Webinar	Participated	Electroanalyti cal 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	PG&Research Center of Chemistry  JayarajAnnapackiam College for women (Autonomous)  Periyakulam	11- Jun- 2020 &  12- Jun- 2020

				covid-19		
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”	Research Department of Chemistry, SadakathullahAppa College (Autonomous), Rahmath Nagar, 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 Development al 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 SecretaryshipKamar aj 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 seaweed –based silver nano-liquid for cotton pathogenic fungi management	Sahayaraj, K., S. Rajesh, A. Asha, <b>J. M. Rathi</b> 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, <b>J. M. Rathi</b> and Patric Raja	Indian Journal Geo-Marine Sciences	2014	43	4	607-617
Chemical constituents of essential oils of <i>Tephrosia purpurea</i> and <i>Ipomoea carnea</i> and their biological activity against banana pseudostem weevil <i>Odoiporus longicollis</i>	Sahayaraj, K., Poolpandi Kombiah, Anand K. Dikshit and <b>J. Martin Rathi</b>	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 Mannar	Sahayaraj, K., Antony Cruz Asharaja, Sathya Moorthy Rajesh, <b>Jesuantony M. Rathi</b>	CBM - Cahiers de Biologie Marine 55: 69-76	2014	55		69-76
Biosynthesis of silver nanoparticles using <i>Ulva fasciata</i> (Delile) ethyl acetate extract and its activity against <i>Xanthomonas</i>	S. Rajesh, D. Patric Raja, <b>J.M. Rathi</b> and K. Sahayaraj	J Biopest	2012	5	supplementary	119-128

<i>campestris</i> <i>pv.malvacaerum</i>						
Biocidal activity of two marine green algal extracts against third instar nymph of <i>Dysdercus cingulatus</i> (Fab.)( Hemiptara: Pyrrhocoridae)	A.Asha, <b>J.Martin Rath</b> , D.Patric Raja and K.Sahayaraj	J Biopest,	2012	5	supp leme ntar y	129- 134
Marine algae for the cotton pest and disease management	K.Sahayaraj , S.Rajesh, A.Asha and <b>J.M. Rath</b>	Proc.Inter.Conf. Agri.Science.En gi., Nigeria2012	2012	1		
Silver nanoparticles biosynthesis using marine alga <i>Padina Pavonica</i> (Linn.) and its microbicidal activity	K.Sahayaraj , S.Rajesh and <b>J.M. Rath</b>	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 <b>J. Martin Rath</b>	African Journal of Biotechnology	2011	10	6	933- 938
Insecticidal activity of Methanolic pooled fractions of <i>Lantana wightiana</i> Wall	<b>J. Martin Rath</b> and S. Gopalakrishnan	Journal of Biopesticides	2010	3	1	282- 285
Repellent activity of plants extracts on groundnut stored pest <i>Tribolium castaneum</i> Herbst,	Sahayaraj, K., Raju, G., Kombiha, K. and <b>J. Martin Rath</b>	Green Forming	2008	1	9	47 – 48
Qualitative Phytochemical Screening of Some Locally Available Insecticidal Plants	<b>Martin Rath, J.</b> , Absara, S., Priyadharshini, K. and Jegathambika, V.	Journal of Biopesticides	2008	1	1	52 – 54
<i>Premna tomentosa</i> Willd. – An Effective Insecticide..	<b>Martin Rath, J.</b> and Gopalakrishnan, S.	Journal of Applied Zoological Research	2006	17	2	138 – 141.
Insecticidal Activity of Aerial Parts of <i>Synedrella nodiflora</i> Gaertn ( <i>Compositae</i> ) on <i>Spodoptera litura</i> (Fab.)..	<b>Martin Rath, J.</b> and Gopalakrishnan, S.	Journal of Central European Agriculture	2005.	6	3	223 – 228



Insecticidal activity of <i>Lantana wightiana</i> (wall.) on fourth instar larvae of <i>Spodoptera litura</i> (Fab.) (Lepidoptera : Noctuidae).	<b>Martin Rathi, J.</b> and Gopalakrishnan, S.	Entomologica Croatica.,	2004.	8	1 & 2	5 – 11
Antimicrobial activity of <i>Premna tomentosa</i> Wild. To chosen pathogenic bacteria.	<b>Martin Rathi, J.</b> and Gopalakrishnan, S.	Journal of Current Science,	2004.	5	2	535 – 539
Role of phytochemicals in insect control..	<b>Martin Rathi, J.</b>	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 - Manonmaniam 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 Horizons M. K. University, Madurai 18.11.1998 – 08.12.1998.
- Orientation programme, University of Madras - 6.3. 1996 - 2.4.1996

**Curricular activities**

- 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