


## FACULTY PROFILE

### DEPARTMENT OF CHEMISTRY

#### I. PERSONAL DETAILS

<b>Name</b>	Dr.S.MANIMEGALAI	
<b>Designation</b>	HEAD & Assistant Professor	
<b>Qualification</b>	M.Sc.,M.Phil.,Ph.D	
<b>Area of Specialization</b>	Organic Chemistry ,Nanotechnology, Inorganic Chemistry, Physical Chemistry, Green Chemistry, Analytical chemistry, Applied Chemistry, Industrial Chemistry	
<b>Mobile No.</b>	8838878319	
<b>e-Mail ID</b>	Institutional: s.manimekalai-che@emgywomenscollege.ac.in Personal: chem.mani.08@gmail.com	

#### II. EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE/DIPLOMA	NAME OF THE INSTITUTION /UNIVERSITY	YEAR OF PASSING
1	B.Sc.,	Arul Anandar College, Karumathur	2005
2	M.Sc.,	The Standard Fireworks Rajaratnam College for Women, Sivakasi	2007
3	M.Phil	The Standard Fireworks Rajaratnam College for Women, Sivakasi	2008
4	Ph.D	Madurai Kamaraj University	2018

### III. TEACHING EXPERIENCE

S.NO	PREVIOUS TEACHING EXPERIENCE WITH NAME OF THE INSTITUTION	From-To	YEAR OF EXPERIENCE
1	Yadava College , Madurai	2008-2013	5 years
2	EMG Yadava Women's College, Madurai	2013-Till Date	9 years

### IV. RESEARCH ACCOMPLISHMENTS

ORIENTATION/REFRESHER/MOOCs/FDP/ TRAINING PROGRAMMES ATTENDED			
S.NO	DATE	NAME OF THE COURSE/PROGRAMME	NAME OF THE INSTITUTION/UNIVERSITY
1	06.10.2016	intercollegiate workshop on Careers in Chemistry(Training cum Placement Program)	Yadava College
2	01.05-2020 To 02.05-2020	Online Faculty Development Program- Online College Management and Online content creation Tools	Lala Lajpat Sai College of Commerce and Economics
3	08.05.2020	International Faculty Development Program- Building Partnership and Resources	Sri Kanyaka Parameswari Arts and Science College for Women, Chennai
4	11.05.2020 & 12.05-2020	Faculty Development Program- New Normal Pedagogical Tools for Online Teaching	Fatima College, Madurai
5	13.05.2020	International Faculty Development Program- Data Analytics and Tools	Aarupadai Veedu Institute of Technology, Chennai
6	14.05.2020 & 15.05.2020	Faculty Development Program- Outcome Based Curriculum Design	V.V.Vaniaperumal College for Women, Virudhunagar
7	15.05.20	Faculty Development Program- e-Content Development Methodology Four Quadrant, OERs and Copyrights issues	Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the PMMMNMTT of MHRD

8	28.05.2020 & 29.05.2020	Online Faculty Development Program- Integrating SWAYAM MOOCs & Educational Apps in Teaching	Srimathi Devkunvar Nanalal Bhatt Vishnava College for Women, Chennai
9	15.06-2020	Faculty Development Program- New Approach To Curricular Design & Simplified Path Way To Outcome Based Education	IQAC, E.M.G.Yadava Women's College, Madurai
10	07.07.2020 To 13.07.2020	YouTube Video Tutorial Faculty Development Programme (FDP)- ONLINE TOOLS FOR TEACHING AND LEARNING	RUSA-M.V.Muthiah Government Arts College for Women, Dindigul,
11	04.12.2020	Faculty Development Program- Enhancing e – content for teaching & learning	IQAC, E.M.G.Yadava Women's College, Madurai
12	05.12-2020	Faculty Development Program- Research Proposal Writing and Funding Opportunities	IQAC, E.M.G.Yadava Women's College, Madurai
13	25.01-2021 To 27.01.2021	Faculty Development Program- Digi tools for Enhancing Teaching and Learning	E.M.G Yadava Women's College
14	29.06.2021 To 03.07.2021	Online FDP on "Innovation, Incubation, start-ups and Research Challenges in India	St. Mary's Centenary Degree College, Secunderabad
15	21.06.2021 To 25.06.2021	Virtual FDP on "Advances in Chemical Research	Dr.N.G.P.Institute of Technology, Coimbatore.
16	28.06.2021 To 30.06.2021	Faculty Development Programme "Digital Tools For Active Teaching, Evaluation and Research," under DBT Star College Scheme	Sri GVG Visalakshi College for Women, Udumalpet.
17	22.09.2021 To 24.09.2021	Faculty Development Programme "Institutions and Entrepreneurial Ecosystem,"	Ayya Nadar Janaki Ammal College, Sivakasi

18	22.11.2021 To 26.11.2021	International Faculty Development Programme on “Writing and Publishing Research Papers in Scopus/Web of Science Journals	ST. Joseph’s College of Arts and Science, Cuddalore.
19	18.01.2022 To 22.01.2022	National Level Faculty Development Programme on “Methods of Material Synthesis	Bhavan’s Vivekananda College of Science, Humanities & Commerce, secunderabad

**NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM ATTENDED**

S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
20	21.12.2016	Recent advances in Applications of Spectroscopy	National Seminar	Fatima College, Madurai
21	20.07.2019	Quality Enhancement and Sustenance in Higher Education: Challenges and Opportunities	National Seminar	SBK College, Aruppukottai
22	15.05.2020	Covid19 Vaccine Development	International Webinar	Ayya Nadar Janaki Ammal College, Sivakasi.
23	16.05.2020	Lot and its application for COVID-19 scenerio	International webinar and workshop	Technical University, Uttarakhand
24	21.05.2020	How to bring Lasting Changes in Students	National webinar	St. Joseph’s College For Women, Tirupur
25	25.05.2020	Investigation of Nano Crystals	National Level Webinar	Mass College of Arts and Science, Tanjavur.
26	25.05.2020	Researching and Writing a Masters Dissertation'	International webinar	Seth Kesarimal Porwal College of Arts and Science and Commerce, Maharashtra
27	27.05.2020	Metal free photoCatalysts Environment Enhancing for free	International Webinar	Thiagarajar College, Madurai
28	28.05.2020	Improving the Visibility of Research Work	International Webinar	Poompuhar College, Thiruchirappalli.

29	31.05.2020	Cyclic and Linear Sweep Voltammetry - Fundamentals & Applications	International Webinar	Bhaktavatsalam Memorial College for Women, Chennai
30	05.06.2020	Significance of Biodiversity for Environment Protection	National webinar	Ramchandra chandravansi University, Jharkhand.
31	12.06.2020	Importance of Spectroscopy in NET Examination	National online webinar	Government Arts College (A), Salem-7
32	13.06.2020	Climate Change and Forestry	National webinar	E.M.G.Yadava Women's College, Madurai
33	25.06.2020	Medicinal Plants for Immunity, Strength and Vitality	National Level Webinar	Kings Engineering College, Sriperumpudur
34	30.06.2020	Sample Preparation for TEM and Data Analysis	International Webinar	Madurai Kamraj University, Madurai.
35	04.07.2020	Curb on COVID-19 through Chemistry: – Potential Small Molecules for Possible COVID – 19 Treatment	International Webinar	Government Arts College, Coimbatore
36	10.11.2020	NACC Reaccreditation Process During Post Covid Scenario	national Webinar	Yadava College, Madurai
37	27.07.2020 To 29.07.2020	Computational Chemistry – A Leeway to Theoretical Chemistry	National Online Workshop	PSGR Krishnammal College of Women, Coimbatore in collaboration with D.G. Vaishnav College, Arumbakkam, Chennai
38	05.06.2021	Recent Developments for Chemistry Teachers	National webinar	Karunya Deemed University, Coimbatore
39	14.06.2021	Intellectual Property Rights	National Level Webinar	ST.Mary's Centenary Degree College, Secunderabad.
40	17.06.2021	Enhancements in Chemical Research Prospects and Career options	International webinar	Karunya Institute of Technology and Sciences, Coimbatore.
41	27.06.2021	Challenges and Opportunities in Higher Education beyond COVID-19	International webinar series-II	Dr.Ambedkar Institute of Technology, Bengaluru.

42	28.06.2021	PEM fuel cells for electric vehicles and Heterogeneous catalyst design for desulfurization targeting clean environment	International Webinar-III	The American College, Madurai
43	10.07.2021	innovative Research in Chemical Sciences	International webinar	Government Arts College, Trichy-22.
44	16.09.2021 To 17.09.21	Recent trends in natural products and their application	Indo-malasian International E-Conference	Madurai Kamaraj University, Madurai
45	23.01.2022	Computer Aided Drug Design	International Webinar	Institute of Innovations, Tiruvannamalai.

**PAPER/POSTER PRESENTED IN NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM**

DATE	TITLE	EVENT NAME	INSTITUTION NAME
08.09.2017 & 09.09.2017	Synthesis and Antibacterial activity of 6-aryl-4-methyl-2-thio-1,2,3,6-tetrahydropyrimidine-5-(N-aryl) carboxamides: A Structure -Reactivity Study	DST and SERB sponsored International Conference	Bishop Heber College, Tiruchirappalli
24.25. 2017	Synthesis and Antimicrobial activity of 6-aryl-4-methyl-2-oxo-1,2,3,6-tetrahydropyrimidine-5-(N-aryl)carboxamides: A Structure-Reactivity study	UGC sponsored National Seminar	VHNSN College, Virudhunagar
27.01.2017	Synthesis and Antimicrobial activity of 6-aryl-4-methyl-2-oxo-1,2,3,6-tetrahydropyrimidine-5-carboxamides: A Structure-Reactivity study	national level seminar	Ananda College, Devakottai
25.07.2019 & 26.07.2019	Effect of substituents on the <sup>1</sup> H NMR chemical shifts of 6-(4'-substitutedphenyl)-4-methyl-2-oxo-1,2,3,6-tetrahydropyrimidine-5-(N-phenyl)carboxamides	RUSA sponsored International conference	Alagappa University, Karaikudi

**NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM ORGANISED**

DATE	TITLE	EVENT NAME
18.08.2020	3D Nanomaterials for Future Energy Technology	International webinar

**ACTED AS RESOURCE PERSON IN OTHER INSTITUTION**

S.NO	DATE	TITLE OF THE PROGRAMME/ EVENT NAME	NAME OF THE INSTITUTION	DISTRICT/STATE/NATIONAL/INTERNATIONAL
1	30.01.2014	"Chemical Kinetics"	Yadava College	District
2	05.03.2015	Practical Chemistry	Yadava College	District
3	09.11.2021	Traits to become a Women Entrepreneur	EMG Yadava Women's College	College level

**ARTICLES PUBLISHED IN JOURNALS / MAGAZINES**

S.NO	TITLE WITH (DOI)	NAME OF THE JOURNAL/ MAGAZINE	NATIONAL/ INTERNATIONAL	IMPACT FACTOR	SCOPUS	CITATION INDEX	h-index	VOLUME, ISSUE, MONTH & YEAR
1	Antimicrobial activity of 6-aryl-4-methyl-2-oxo-1, 2, 3, 6-tetrahydropyrimidine-5-(N-aryl) carboxamides: A structure-reactivity study	International Journal of Pharmaceutical, Chemical and Biological Sciences	International	----	---	---	---	Volume 7 Issue-4, 2017
2	Synthesis and Biological Activity of Novel Biginelli type Heterocyclic Compounds: A Structure-Reactivity Study	European Journal of Biomedical and Pharmaceutical Sciences	International	4.382	--	1	1	Volume 4, Issue 8, July 2017

3	Synthesis and Antibacterial activity of 6-aryl-4-methyl-2-thio-1, 2, 3, 6-tetrahydropyrimidine-5-(N-aryl)carboxamides: A Structure-Reactivity Study (DOI: 10.20959/wjpr201713-9885)	World Journal of Pharmaceutical Research	International	SJIF-7.523	--	---	----	Volume 6, Issue 13, Oct-2017 ISSN-2277-7105
4	Effect of substituent on the <sup>13</sup> C-NMR chemical shifts of substituted 5-benzylidenebarbituric acids ( <a href="#">10.5958/0974-4150.2018.00010.X</a> )	Asian Journal of Research in Chemistry	National	----	----	-----	-----	Volume 11, Issue 1, March 2018

**LEADERSHIP/TEAM WORKING SKILLS**

S.NO	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ ASSISTANT COORDINATOR / MEMBER)	DURATION MONTH / YEAR
1	E-documentation	Member	2017-2021
2	HOD	HOD	Since 2020-till date



## V. INNOVATIVE TEACHING SKILLS

ICT ENABLED TEACHING METHODS	
S.NO	
1	Power point presentation
2	Lecture upload in you tube
3	PPT upload in slide share
4	Online teaching method – google meet
5	Google Classroom

e- CONTENT DEVELOPED				
S.NO	DATE	TITLE	SOCIAL NETWORK (YouTube, Slideshare, Blog, MOOCs, Others)	LINK
1	06.06.2020	Terpenoids	You Tube	<a href="https://youtu.be/6gPc65m4OwA">https://youtu.be/6gPc65m4OwA</a>
2	09.06. 2020	Terpenoids Part II	You Tube	<a href="https://youtu.be/Vh1wJwQXKwk">https://youtu.be/Vh1wJwQXKwk</a>
3	09.06.2020	Terpenoids Part III	You Tube	<a href="https://youtu.be/Jl7_4Yxeqq0">https://youtu.be/Jl7_4Yxeqq0</a>
4	09.08.2020	Chemdraw	Slide share	<a href="https://www.slideshare.net/manimekalai34/chemdraw-day-3">https://www.slideshare.net/manimekalai34/chemdraw-day-3</a>
5	09.08.2020	<sup>1</sup> H NMR spectrum	Slide share	<a href="https://www.slideshare.net/manimekalai34/1-h-nmr-spectrum-using-chemdraw-237693235">https://www.slideshare.net/manimekalai34/1-h-nmr-spectrum-using-chemdraw-237693235</a>
6	18.12.20	Crystallography	Slide share	<a href="https://www.slideshare.net/manimekalai34/crystallography-240258590">https://www.slideshare.net/manimekalai34/crystallography-240258590</a>
7	18.12.2020	Periodic table	Slide share	<a href="https://www.slideshare.net/manimekalai34/periodic-table-240259301">https://www.slideshare.net/manimekalai34/periodic-table-240259301</a>

8	18.12.2020	General Chemistry	Slide share	<a href="https://www.slideshare.net/manimekalai34/general-chemistry-unit-iv">https://www.slideshare.net/manimekalai34/general-chemistry-unit-iv</a>
9	13.05.2021	Amino acids and proteins	Slide share	<a href="https://www.slideshare.net/manimekalai34/aminoacids-and-proteins">https://www.slideshare.net/manimekalai34/aminoacids-and-proteins</a>
10	27.10.2021	Group theory	You Tube	<a href="https://youtu.be/Ocqo-m9G4KM">https://youtu.be/Ocqo-m9G4KM</a>
11	15.11.2021	Quantum Chemistry	Slide share	<a href="https://www.slideshare.net/manimekalai34/quantum-chemistry-250648822">https://www.slideshare.net/manimekalai34/quantum-chemistry-250648822</a>
12	24.11.2021	Inter halogen compounds	Slide share	<a href="https://www.slideshare.net/manimekalai34/inter-halogen-compounds">https://www.slideshare.net/manimekalai34/inter-halogen-compounds</a>
13	24.11.2021	Interhalogen compounds continue	Slide share	<a href="https://www.slideshare.net/manimekalai34/interhalogen-compounds-250718761">https://www.slideshare.net/manimekalai34/interhalogen-compounds-250718761</a>
14	15.11.2021	Aromatic aldehydes, ketones and carboxylic acids	You Tube	<a href="https://youtu.be/i0J274IwGLQ">https://youtu.be/i0J274IwGLQ</a>

## VI. COLLABORATIVE ACTIVITIES

### COLLABORATIVE TEACHING ACTIVITIES IN OTHER INSTITUTION/AGENCY (MoU, etc.,)

S.NO	DATE	TITLE	NAME OF THE INSTITUTE
1	07.10.2021	Thin Layer Chromatography	Department of Chemistry, Yadava College
2	25.10.2021 To 26.10.2021	Preparation of Herbal Products	Department of Zoology & Botany, EMG Yadava Women's College

**COLLABORATIVE ACTIVITIES IN OTHER INSTITUTION – EXTENSION/ CONSULTANCY**

S.NO	DATE	TITLE	NAME OF THE INSTITUTE/CORPORATE/ ADOPTED VILLAGE
1	12.03.2014	handling the laboratory equipments	Sriram Nallamani school students
2	03.09.2013	Carbon and its role in our daily life	Sri Gopalalakrishna Higher Secondary School, siruthur, Madurai
3	26.03.2021	Water Testing	Nearby society peoples of Allied garden, Madurai.
4	02.10.2021	Phenyl	Vedic Vidyashram school teachers, Thiruppalai

**VII. COMPUTER SKILLS**

**COMPUTER LANGUAGE/TECHNICAL SKILLS**

S.NO	
1	MS Office
2	Origin Software
3	Avogadro software
4	Programming Language -C
5	UV-Vis Spectro photometer(JASCO V-560 model)

**VIII. LANGUAGE PROFICIENCY**

S.NO	LANGUAGE	SPEAK	READ	WRITE
1	Tamil	✓	✓	✓
2	English	✓	✓	✓

**IX. OTHER SKILLS**

S.NO	SKILLS
1	Drawing, Cooking, Reading books