


FACULTY PROFILE

DEPARTMENT OF CHEMISTRY

I. PERSONAL DETAILS

Name	Dr.A.RAMYA	
Designation	Assistant Professor of Chemistry	
Qualification	M.Sc., M.Phil., Ph.D.,	
Area of Specialization	Nanotechnology, Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Bioinorganic Chemistry, Green Chemistry, Analytical chemistry, Applied Chemistry	
Mobile No.	8438350104	
e-Mail ID	Institutional: a.ramya-che@emgywomenscollege.ac.in Personal:ramyaarumugam8@gmail.com	

II. EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE/DIPLOMA	NAME OF THE INSTITUTION/UNIVERSITY	YEAR OF PASSING
1	B.Sc.,	Yadava College/Madurai Kamaraj University	2010
2	M.Sc.,	Thiagarajar College/ Madurai Kamaraj University	2012
3	M.Phil.,	The American College/ Madurai Kamaraj University	2013
4	Ph.D.,	Thiagarajar College/ Madurai Kamaraj University	2019

III. TEACHING EXPERIENCE

S.NO	PREVIOUS TEACHING EXPERIENCE WITH NAME OF THE INSTITUTION	From-To	YEAR OF EXPERIENCE
1	EMG Yadava Women's College, Madurai	2014-2015	1 Years and 5 Months
2	EMG Yadava Women's College, Madurai	2018-Till Date	3 Years 2 Months

IV. RESEARCH ACCOMPLISHMENTS

ORIENTATION/REFRESHER/MOOCs/FDP/ TRAINING PROGRAMMES ATTENDED			
S.NO	DATE	NAME OF THE COURSE/PROGRAMME	NAME OF THE INSTITUTION/UNIVERSITY
1	28..05.2020 To 29.05.2020	Two days Online Faculty Development Programme on the topic of "Integrating SWAYAM MOOCs & Educational Apps in Teaching"	IQAC & SWAYAM, EMG Yadava Women's College
2	15.06.2020	New approach to curricular design & simplified path way to outcome based education	IQAC, EMG Yadava Women's College
3	04.12.2020	online Faculty Development Programme on "Enhancing E-Content for Teaching and Learning"	IQAC-Teaching-Learning Cell, EMG Yadava Women's College
4	25.01.2021 To 27.01.2021	Three days online Faculty Development Programme on "GigiTools for Enhancing Teaching and learning"	Tamilnadu Teachers Education University, Chennai EMG Yadava Women's College

NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM ATTENDED				
S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1	2018	Effective synthesis of ternary Fe ₃ O ₄ /ZnO/rGO nanocomposite with Enhanced Photocatalytic Activity under Visible Light irradiation	National Conference on Recent Advanced Materials (NCRAM-2018)	Thiruvalluvar University College of Arts and Science, Thennangur, Vanthavaasi
2	03.06.2020 To 04.06.2020	Nanoscale Material with different dimensions for Advanced Applications	International Webinar	Mannar Thirumalai Naicker College, Madurai
3	27.05.2020	“ International Level Covid-19 Pandemic Webinar on Metal free photocatalysts for environment enhancing ”	International Webinar	Thiagarajar College, Madurai
4	22.10.2021	one day Virtual International Conference on “Emerging Frontiers in Chemistry (ICEFC-2021)”	National Conference	Thiagarajar College, Madurai

PAPER PRESENTED IN NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM				
S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1	2017	Novel magnetically separate visible-light-driven ThO ₂ /Fe ₃ O ₄ photocatalyst with enhanced activity in degradation of Malachite Green,	International Conference on Frontier Areas in Chemical Technologies-2017	Alagappa University, Karaikudi
2	2017	: Selective colorimetric detection of hexavalent chromium in gelatin capsule using AgF/Ag ₂ WO ₄ nanocomposite	International Conference on Functional Materials (ICFM-2017)	Thiagarajar College, Madurai

3	2017	A novel assembly of ternary nanocomposite photocatalyst, CeO ₂ /TiO ₂ /rGO for enhanced degradation of 4-NP from waste water	International Conference on Frontiers in Nano Biotechnology-2017 (ICFNB'17)	Bishop Heber College, Thiruchirapalli on
4	2017	Photocatalytic degradation of paracetamol on Ag/TiO ₂ /rGO nanocomposite under UV light irradiation	International Conference on Advanced Functional Materials for Energy, Environment and Biomedical Applications-2017 (AFMEEB-2017)	Madurai Kamaraj University, Madurai
5	2018	Sensitive and Simple simultaneous determination of Ciproflaxacin at TiO ₂ /rGO nanocomposite modified electrochemical sensor	International Conference on Modern Trends in Chemistry (MTC-2018)	Vivekanada College, Madurai
6	2017	Efficient degradation of organic dyes by Ag NPs catalyst	National Conference on RACR-2017	VHNSN College, Viruthunagar
7	2018	Highly selective and sensitive colorimetric detection of Cd ²⁺ ions using green synthesized Ag NP's	National Conference on Recent Trends In Chemistry-2018 (RTC-2018)	Jeyaraj Annapakiam College For Women, Periyakulam
8	2018	Effective synthesis of ternary Fe ₃ O ₄ /ZnO/rGO nanocomposite with Enhanced Photocatalytic Activity under Visible Light irradiation	National Conference on Recent Advanced Materials (NCRAM-2018)	Thiruvalluvar University College of Arts and Science, Thennangur, Vanthavaasi

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	Anovel photocatalytically active mesoporous metal-free PPy grafted MWCNT nanocomposite Ramya Arumugam, Prakash Periakaruppan, Balakumar Vellaichamy, Kathiresan Sellamuthu, Bhuvana Nagulan, DOI 10.1016/j.jcis.2017.12.046	<i>Journal of Colloid and Interface Science</i> , 514 (2017)376-385		8.128		27	1	514 (2017)376-385
2	Highly selective and sensitive determination of Cr ⁶⁺ (nm) in gelatin capsule using	International Journal of Pharmaceutical Sciences and Research, 10(3) (2019) 1000-1009	-	1.83	-	-	-	-

	AgF/Ag ₂ WO ₄ nanocomposite Ramya Arumugam and Prakash Periakaruppan * DOI: http://dx.doi.org/10.13040/IJPSR.0975-8232.10(3).1000-09							
	A facile Novel Synthesis of Tho ₂ /Fe ₃ O ₄ Nanocomposite with Enhanced Photocatalytic activity for the degradation of Malachite Green under Visible light irradiation	International Journal of Pharmaceutical Sciences and Research, <i>Arumugam et al., IJPSR, 2019; Vol. 10(6): 2902-2910.</i> E-ISSN: 0975-8232; P- ISSN: 2320-5148	-	1.83	-	-	-	-
3	A green and facile one-pot synthesis of Ag NPs using Bombax Pendantum leaf extract for	<i>Journal of Applicable Chemistry, 7(6) (2018) 1534-1546</i> ISSN: 2278-1862	-	4.69	-	-	-	7(6) (2018) 1534-1546

	<p>effective removal of organic dyes</p> <p>Ramya Arumugam and Prakash Periakaruppan*</p>							
4	<p>A novel photocatalyst, CeO₂/TiO₂/rGO nanocomposite with enhanced activity for the visible light-driven decontamination of 4-Nitrophenol</p> <p>Ramya Arumugam, Prakash Periakaruppan*, Rayappan Selvanathan</p>	<p><i>International Journal of Research in Pharmaceutical Sciences</i></p> <p>(Under Review)</p>	-	1.14	-	-	-	2018

LEADERSHIP/TEAM WORKING SKILLS

S.NO	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ASSISTANT COORDINATOR /MEMBER)	DURATION MONTH/YEAR
1	SSO	Member	2021 to till date

V. INNOVATIVE TEACHING SKILLS**ICT ENABLED TEACHING METHODS**

S.NO	
1	Powerpoint Presentation
2	Online teaching method -Google meet
3	Lecture upload in you tube

e- CONTENT DEVELOPED

S.NO	DATE	TITLE	SOCIAL NETWORK (YouTube, Slideshare, Blog, MOOCs, Others)	LINK
1	24.11.2021	Periodic Properties	YouTube	https://youtu.be/6jVg9sanbXI
2	24.11.2021	Transition Elements	YouTube	https://youtu.be/s-KT5BXyYg8
3	24.11.2021	Gaseous State	YouTube	https://youtu.be/B2vywCqZEo8

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

S.NO	DATE	TITLE	NAME OF THE INSTITUTE
1	22.10.2021 To 25.10.2021	Two days Training Programme in “Instrumental Techniques (in Boiling point Instrumentation)”	Yadava College

COLLABORATIVE ACTIVITIES IN OTHER INSTITUTION – EXTENSION/ CONSULTANCY

S.NO	DATE	TITLE	NAME OF THE INSTITUTE/CORPORATE/ ADOPTED VILLAGE
1	11.04.2014	School class based on uses of UV, Gamma rays, Acid rain, Bio gas formation, Synthesis of synthetic petroleum, Awareness of ozone hole formation, Effect of methane gas and general tips for healthy food	Nallamani Hr. Sec. School, Madurai.
2	27.01.2015	Demonstrate water analysis	7 th Std students of Government High School, Narayanapuram.
3	15.02.2019	Consultancy programme on preparation of natural plastic using corn starch	8 th Std students of Velammal Matriculation Hr. Sec. School, Thiruppalai.
4	08.02.2020	Consultancy programme on preparation of bio plastic from orange peel	Mahatma Matriculation School, Madurai.
5	25.08.2021	Extension activity (Collaboration MOU with Vedic Vidyashram CBSE School) by conducting class on Chemical Reactions and its types	8 th to 10 th std students of Vedic Vidyashram CBSE School, Thiruppalai, Madurai.
6	02.10.2021	Consultancy programme on preparation of sanitizer and Phenyl	Vedic Vidyashram school teachers, Thiruppalai, Madurai.

VII. COMPUTER SKILLS

COMPUTER LANGUAGE/TECHNICAL SKILLS

S.NO	
1	Computer language
2	Technical Skills 1.UV-Vis Spectrophotometer(JASCO V-560 model) 2.Cyclic Voltammetry (BAS CV-50W) 3.Spectro fluoro meter(JASCO J-810)

VIII. LANGUAGE PROFICIENCY

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

IX. OTHER SKILLS

S.NO	SKILLS
1	Drawing
2	Research