

FACULTY PROFILE

DEPARTMENT OF CHEMISTRY

I. PERSONAL DETAILS

Name	Dr.M.SANGEETHA	
Designation	Assistant Professor	
Qualification	M.Sc.,B.Ed.,M.Phil.,P.hd.,	
Area of Specialization	Corrosion, Nano Materials	
Mobile No.	9080276679	
e-Mail ID	Institutional: m.sangeetha-che@emgywomenscollege.ac.in	
	Personal: sangeethamanirevathi@gmail.com	

II. EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE/DIPLOMA	NAME OF THE INSTITUTION/UNIVERSITY	YEAR OF PASSING
1.	PH.D	GTN Arts & Science College, Madurai Kamaraj University	2016
2.	M.PHIL	GTN Arts & Science College, Madurai Kamaraj University	2010
3.	M. SC	St Xavier's College, Manonmanium Sundaranar University	2009
4.	B. ED	Mother Theresa University	2007
5.	B. SC	GTN Arts & Science College, Madurai Kamaraj University	2006

III. TEACHING EXPERIENCE

S.NO	PREVIOUS TEACHING EXPERIENCE WITH NAME OF THE INSTITUTION	YEAR OF EXPERIENCE
1.	RVS School of Engineering, Dindigul,	1 year 5 months
2.	KSR College of Technology, Tiruchengode,	1 year 9 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.	02.06.2015 To 12.06.2015	ISTE STTP on environmental studies workshop held under the national mission on Education through ICT (MHRD) FDP	Indian Institute of Technology Bombay in KSR College of Technology, Tiruchengode
2.	22.09.2021 To 24.09.2021	UGC paramarsh scheme FDP building greener ecosystem and quality audits for impact	Ayya Nadar Janakiammal College, Sivakasi
3.	07.03.2022 To 11.03.2022	Green campus, Energy and environment management Audits Certificate Course.	Natural science foundation & Nehru Arts & science college

NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM ATTENDED				
S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1.	03.03.2010 & 04.03.2010	Science Academy lecturer workshop on Spectroscopy	Workshop	National Institute of technology Trichy
2.	26 .02.2010 & 27.02.2010	Modern trends in Chemistry	National level	Vivekananda College Madurai
3.	05.03.2010	National conference on renewable energy resources	National level	Yadava college collaboration with Loyola college Chennai.

4.	25.07. 2011 & 26.07.2011	Role of chemistry in Advanced Chemistry	National level	DST- FIST sponsored Department of Chemistry, Ayya Nadar Janaki Ammal College , Sivakasi
5.	11 .01. 2012	conference on Emerging Trends in Chemistry	National level	Bishop Heber College, Tiruchirappalli (DST-FIST)
6.	26 .06. 2021	Introduction to IPR	National webinor	St Antony's College IPR cell dindigul
7.	04.09. 2021	Drafting impactful research articles project proposal patent	National webinor	Ramco Institute & Technology, Rajapalayam
8.	18 .09.2021	UGC – Human resource centre webinor development of E content	National webinor	Madurai Kamaraj University
9.	19.04.2021 To 21.04. 2021	Science & technology of emerging materials esteem -21	International workshop	Chettinad college of engineering & technology
10.	29 .09. 2021	Earth abundant and ultra low cost metal sulfo selenides for photovoltaic application	International webinor	GTN Arts College
11.	07 .10.2021	Optimum health & safety Environment	International webinor	Vivekananda College

NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM PRESENTED

S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1.	23.09.2008	Preparation and IR Spectral studies of Cobaloximes containing N-donors	Recent trends in Co-ordination chemistry	St Xavier's College
2.	18.02.2010 To 19.02.2010	Eriochrome black –T as corrosion inhibition or carbon steel in well water	Recent trends in Chemistry (RTC-4)	Jayaraj Annabakiam College
3.	23.09.2010 To 24.09.2010.	Presented paper	Emerging trends in Chemistry	Cardamom Planter's Association College Bodinayakanur
4.	16.09.2010 To 19.09.2010	Corrosion inhibition by an aqueous extract o phyllathus amarus	Fifteenth national congress on corrosion control	National Corrosion Council India / CSIR Chennai
5..	03.02. 2011	corrosion inhibition by green inhibitor	global competitiveness in Biology, Chemistry and Environment: for a better tomorrow	Rev Jacob Memorial Christian college
6.	16.02.2011 & 17.02. 2011	Presented paper	2 nd International Conference on Bio informatics and systems	Annamalai University

			biology (INCOBS-2011)	
7.	25.08.2011 & 26.08.2011	Spectroscopic methods used for analyzing protective film formed by Zingiber officinale on corrosive carbon steel	Recent Advances in Applications of spectroscopy	Fatima college (Autonomous), Madurai
8.	20.10.2011	Eco friendly corrosion inhibitors for carbon steel in Sea water	Chemistry Research Colloquium	GTN Arts College, Dindigul
9.	25.02.2012	Presented paper	National symposium on Recent Developments in Chemistry (NSRDC'12)	Srinivasan College of Arts and Science, Perambalur
10.	07.09. 2012	Presented paper	National Level Seminar on Topical Drifts in Nanotechnology and Bio- Inorganic Chemistry	Nadar Saraswathi College of Arts and Science Theni
11.	07.12.2015 To 15.12.2015	Corrosion Inhibition by Hydrophobic Nano Film of Zingerol Formed on Mild Steel in Seawater	International Conference on Nano materials and Nanotechnology	Nanaoscience and Technology K.S.Rangasamy College of Technology
12.	18.03.2015	Won best paper award	UGC sponsored one day National level Seminar on Recent advances in chemistry (RAC-2015)	GTN Arts college, Dindigul
13.	08.07.2015 To 10.07.2015	Won best paper award	International conference on Recent advances in Nano science & Technology (RAINSAT- 2015)	Sathyabama University Chennai in associated with Central Leather Research Institute, council of scientific & industrial research ,Chennai
14.	27.08.2016	Corrosion resistance of Copper –T wire in uterine fluid in the presence of D- Glucose and sodium chloride	5 th National Level Technical Symposium GRT TEXPO – 16	GRT Institute of Engineering and Technology
15.	15.02.2017 To 17.02.2017	SS 316 L alloy- the best candidate for implantation of orthodontic wire for people desirous of drinking Maaza	International conference on recent advances in material chemistry (ICRAMC-2017)	SRM University kattankulathur, Chennai

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

S.NO	DATE	TITLE	EVENT NAME
1.	11.10.2021	Participated and organized “Missile Man Abdul Kalam” event on the 10 th year Anniversary celebration of Assist World Records Research Foundation in association with Tamil Nadu Teachers Education University, Chennai.	Longest Multinational Confluence (2600 + Hours) virtual mode
2.	12.10.2021	Chemistry of Wildlife organized by E.M.G Yadava Womens college, Madurai.	Webinar

V. FACULTY ACHIEVEMENTS & AWARDS

S.NO	DATE	FACULTY NAME & DESIGNATION	NAME OF THE AWARD/RECOGNITION	NAME OF THE AWARDDING BODY/AGENCY
1.	14.10.2021 To 15.10.2021	Dr.M.Sangeetha, Assistant Professor of Chemistry	Organized a World record event titled “STORYTHON”	India Pride Book of Records

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.	Green corrosion inhibitors – An overview	Zastita materijala	International					52, p 3-19, 2011
2.	Corrosion inhibition by an aqueous extract of phyllanthus amarus	Portugaliae Electrochimica Acta	International	1.48	Scopus		27	29 (6), p 429-444, 2011
3.	Eco friendly extract of Banana peel as corrosion inhibitor for carbon steel in sea water	Journal of Natural Products and Plant Resource	International	1.51			36	2 (5), p 601-610, 2012
4.	Asafoetida Extract (ASF) as green	International Research	International	0.675				1(5),

	Corrosion Inhibitor for Mild Steel in Sea Water	Journal of Environment Sciences						p 14-21, 2012
5.	Inhibition of Corrosion of Aluminium and its Alloys by Extracts of Green Inhibitors	Portugaliae Electrochimica Acta	International	1.48	Scopus		27	31(1), p 41-52, 2013
6.	Corrosion Inhibition by flower extracts – An over view	International Journal of Nano-Corrosion-Science and Engineering	International	-	-	-	-	2(3), P 14-21, 2015
7.	One-step synthesis, characterization, and visible light photocatalytic activity of pure and Zn-doped SnO ₂ nanoparticles	Applied Physics A materials science and processing	International	2.584	Scopus	-	149	120 (2), p 463–469, 2015
8.	Influence of Zn doping on Structural, optical and photocatalytic activity of WO ₃ nanoparticles by a novel microwave irradiation technique	Journal Of Materials Science: Materials in Electronics	International	2.478	scopus	-	75	26 (9), p 6823–6830, 2015
9.	Can People Implanted With Orthodontic Wires Made Of Thermoactive Superelastic Shape Memory Alloy And 22 K Gold Take Syzygium Cumini Fruit Juice Orally?	Int J Nano Corr Sci and Engg	International	-	-	-	-	3(4), p 80-87, 2016
10.	Corrosion Resistance of SS 316		International	-		-	41	8 (19),

	L Alloy in Artificial Saliva in the Presence of a Soft Drink	Der pharma chemica			scopus			p 334-337, 2016
11.	Visible Light Photocatalytic Activity of Pure and Palladium (Pd) doped SnO ₂ Nanoparticles by a One Step Facile Route	Journal Of Materials Science: Materials in Electronics	International	2.478	scopus	-	75	28(19), p 1-7, 2017
12.	SS 316 L alloy- The best candidate for implantation of orthodontic wire for people desirous of drinking Maaza	International Journal of Advanced Chemical Science and Applications	International	-	-	-	-	5 (1), p 36-38, 2017
13.	Ultra sensitive molybdenum disulfide (MoS ₂)/ graphene based hybrid sensor for the detection of No ₂ and formaldehyde gases by fiber optic clad modified method	Optics and Laser Technology	International	3.867	Scopus	6.3	-	On line publication 106193,(127), july 2020
14.	Corrosion inhibition of hydrophobic nano film of eco friendly banana peel extract on mild steel in seawater	Der pharma chemica	International		scopus		41	13(11) p 63-70, 2021

REVIEWER/ EDITOR/ IN JOURNALS AND BOOKS					
S.NO	POSITION	NAME OF THE JOURNAL/BOOK	NATIONAL	INTERNATIONAL	DURATION
1	REVIEWER	Portugaliae Electrochemica Acta journal	-	International	Currently on going
2	EDITOR	-	-	-	-
3	OTHERS	-	-	-	-

LEADERSHIP/TEAM WORKING SKILLS			
S.NO	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ ASSISTANT COORDINATOR /MEMBER)	DURATION MONTH/YEAR
1.	Nacc –Criteria V	Member	2021 – Till date
2.	ARIIA	Member	2021 – Till date
3.	Entrepreneurship Cell	Member	2021 – Till date

VI. INNOVATIVE TEACHING SKILLS

ICT ENABLED TEACHING METHODS	
1.	Power point presentation (LCD)
2.	Over Head Projector
3.	Online teaching method- Google Meet

e- CONTENT DEVELOPED				
S.NO	DATE	TITLE	SOCIAL NETWORK (YouTube, Slideshare, Blog, MOOCs, Others)	LINK
1.	30.11.21	Preparation, properties & uses of Benzyl Chloride	You tube	https://youtu.be/2bOzlcewKrc

COLLABORATIVE ACTIVITIES IN OTHER INSTITUTION – EXTENSION/ CONSULTANCY

S.NO	DATE	TITLE	NAME OF THE INSTITUTE/CORPORATE/ ADOPTED VILLAGE
1.	11.10.21	Extension activity	Sri Gopalakrishna Higher sec school

VII. COMPUTER SKILLS

COMPUTER LANGUAGE/TECHNICAL SKILLS

S.NO	
1.	MS office
2.	Origin software
3.	CHI software

VIII. LANGUAGE PROFICIENCY

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

IX. OTHER SKILLS

S.NO	<u>Experience in handling the following instruments</u>
1.	UV spectroscopy
2.	CHI Electrochemical instrument
3.	FTIR