

RESUME

Name : Dr. J.ANGELIN THANGAKANI
Designation : Assistant Professor (SF)
Department : Chemistry
Date of Joining : 20/11/2019
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ACADEMIC QUALIFICATION

Degree	Subject	College/ University & Place	Year Completed
Ph.D.	Chemistry	GTN college of Arts & Science, Dindigul. Madurai Kamarajar University	2018
M.Sc.	Chemistry	Sarah Tucker College, Tirunelveli	2003
B.Ed.,	Science	Rev. John Thomas College of Education, Meignanapuram,	2001
B.Sc.	Chemistry	Sarah Tucker College, Tirunelveli.	2000
H.S.S	Bio-Maths	Sarah Tucker Hr.Sec.School , Tirunelveli	1997
SSLC		Fatima Girls High School , Vallioor	1995

Specialisation in Teaching: Organic & Physical Chemistry

Specialisation in Research: Electrochemistry , Corrosion

Research Interests :Nano particle, material science

Working Experience:

S.No.	Designation	Name of the School	Year
1	Asst.Professor	The American College, Madurai	Nov'2019- till date
2.	PG Assistant	C.E.O.A.Mat.Hr.Sec.School, A.Kosakulam,Madurai-17.	2005 - Mar. 2019 (14Years)
3.	PG Assistant	Noyes Mat. Hr .Sec. School, Narimedu Madurai	2003 – 2005 (2 Years)

Teaching Experience : 21 Years

Characterization Studies : Familiar in UV, IR. Polarization studies, AFM, SEM, EDAX

Computational Studies : DFT (Homo-Lumo)

Co-Convenor

i) American College Central Instrumentation Center (ACCIC) Organises webinar on

“Spectroscopic Techniques-II” on 08.07.2020

ii) International Conference on Advances in Chemistry (ICAC-2023) organized by PG & Research

Department of Chemistry , The American College, Madurai from 04.12.2023 & 05.12.2023.

LIST OF PUBLICATIONS IN JOURNALS

S.No.	Year of Publication	Title	Journal with ISBN	Co-Author
1	2023	Enhancement of self-cleaning properties of soda-lime glass coated with grapheme	<i>Eur. Chem. Bull.</i> ,12(10), 1968-1977	Dhivya Christo Anitha S, Lakshmi V, Mary Jenila R, and Johnson Raja S
2	2021	Corrosion inhibition by an aqueous extract of <i>Ervatamia divaricata</i>	<i>Int.J.Corros.Scale Inhib.</i> ,2021,10,no.1, 331-348	S. Rajendran
3	2016	Correlation Between Quantum Chemical Parameters of Amino Acid Inhibitors and Their Corrosion Inhibition Efficiencies	Int. J. Nano. Corr. Sci. Eng. 3(4), 1-28	S. Rajendran, J. Sathiyabama
4	2016	Inhibition of Corrosion of Carbon Steel in Well water by L-Lysine –Zn ²⁺ System	American Journal of Englineering Research 5(8), 173 – 185	S. Rajendran, J. Sathiyabama
5	2015	Inhibition of Corrosion of Carbon Steel in Well Water by L-Cysteine –Zn ²⁺ System.	Int. J. Nano Corr. Sci. Eng. 2(5), 458-471	S. Rajendran, J. Sathiyabama,
6	2015	Inhibition of Corrosion of Carbon Steel in Well water by L-serine –Zn ²⁺ System	Journal of Chemical and Pharmaceutical Research 7(105), 35-46	S. Rajendran, J. Sathiyabama, R. Joseph Rathis
7	2015	Corrosion Inhibition By Amono Acids – A Birds Eye view	Int. J. Nano Corr. Sci. Eng 2(2), 7-17.	S. Rajendran, J. Sathiyabama, P. Shanthy
8	2014	Inhibition of Corrosion of Carbon Steel in Aqueous Solution Containing Low Chloride ION by Glycine –Zn ²⁺ System	Int. J. Nano Corr. Sci. Eng. 1(1), 50-62	S. Rajendran, J. Sathiyabama, R.M. Joany
9	2013	Polarization Study of Corrosion Inhibition by Glycine –Zn ²⁺ System	Eur. Chem. Bull. 1(5), 265 – 271	S. Rajendran, J. Sathiyabama, J. Lydia Christy, A. SuriaPrabha
10	2013	Corrosion Inhibition by Tryptophan –Zn ²⁺ System for Carbon Steel in Sea Water.	Eur. Chem. Bull 2(6), 355-360	S. Gowri, J. Sathiyabama, S. Rajendran

11	2012	Inhibition of Corrosion of Carbon Steel in Sea Water by Sodium Molybdate –Zn ²⁺ system.	Eur. Chem. Bull 1(12), 503 – 510	S. Rajendran, K. Anuradha, K. Kavipriya, A. Krishnaveni
12	2012	Tryptophan as corrosion Inhibitor for carbon steel in sea water	Journal of Chemical Biological and Physical Science Aug-Oct Vol. 2 No.4 2223 – 2231	S. Gowri, J. Sathiyabama, S. Rajendran
13	2012	Nanoparticles Dispersed in Water Based Nano Fluids	Elixir Nanotechnology, 50, 10552 – 10555	S. Rajendran, V. Sribarathy, P. Nithyadevi

BOOK PUBLISHED

S.No.	Year	Title	Publisher	Co-author
1	2022	Applications of copper alloy nanoparticles in automotive industry	Elsevier	SusaiRajendran
2	2022	Nano sensors for Smart Agriculture Micro and Nano Technologies	Elsevier	SusaiRajendran
3	2017	Quantum Chemical Parameters and Corrosion Inhibition Efficiency	Lambert Academic Publishing	SusaiRajendran

PRESENTATION IN SEMINARS / CONFERENCES :

S.No.	Date	Title	Venue
1	01.03.24	Recent Trends in Chemistry'24	PG & Research Department of Chemistry
2	23.01.2024 - 24.01.2024	Workshop on Green Chemistry	PG & Research Department of Chemistry
3	04.12.2023 - 05.12.2023	International Conference on Advances in Chemistry (ICAC-2023)	PG & Research Department of Chemistry, The American College, Madurai
4	06.03.2023	Art & Science of methodical Scientific Writing and Publishing in High Impact Journal	IQAC, The American College

5	03.03.23	Recent Trends in Chemistry'23	PG & Research Department of Chemistry
6	02.02.23 to 03.02.23	Workshop on skill development in Analytical Skills	PG & Research Department of Chemistry
7	20.09.2022	Faculty Orientation Programme	IQAC, The American College
8	04.07.2022 – 06.07.2022	Stress Management	FDP conducted by ICT Academy held at SreeAbiraami Arts and Science College for Women, Gudiyatham
9	11.07.2022 - 19.07. 22	The Nuances of Scientific Writing and Publishing	FDP conducted by AIACHE & Madras Christian College, Chennai
10	29.05.22- 02.06.22	YSSP-2022	The American College, Madurai
11	26.05.17	Correlation Between Quantum Chemical Parameter of L-Valine and L-Serine and Their Corrosion Inhibition Efficiencies	1 st National Conference on Recent Advances in materials Science & Nano Technology at AMET University, Chennai.
12	17.12.16	Inhibition of Corrosion of Carbon Steel in Well Water by L-Tyrosine –Zn ²⁺ System	National Conference on Computational and Experimental Physics of functional Materials at K.S.R. College of Arts and Science for Women, Tiruchengode.
13	07.10.2016	Correlation Between Quantum Chemical Parameters of Amino Acid Inhibitors.	National Seminar on New Perspectives in Science and Technology (NPST-2016) at St. Antony's College of Arts and Science for Women, Dindigul.
14	20.08.2016	Inhibition of Corrosion of Carbon Steel in Well Water by L-Cysteine –Zn ²⁺ System (AFM, SEM, EDAX)	National Conference on Research Advances in Material Science and Applications (Ramsa'16) at Bharathidasan Institute of Technology, Tiruchirappalli.
15	3.2.2016	Inhibition of Corrosion of Carbon Steel in Well Water by L-Serine –Zn ²⁺ System.	National Conference on 'TOPICAL DRIFTS IN NANO SCIENCE AND ENVIRONMENTAL SCIENCE' at NadarSaraswathi College of Arts and Science, Theni.

16	17.12.2015	Inhibition of Corrosion of Carbon Steel in Well Water By L-Cysteine –Zn ²⁺ System (Polarization Study)	International Conference on Chemical and Environmental Research (ICCER 2015) at Jamal Mohamed College, Tiruchirappalli.
17	17.04.2015	Inhibition of Corrosion of Carbon Steel in Well Water By L-Valine –Zn ²⁺ System.	Corrosion Awareness Day 2015 (CAD 15) at The Gandhigram Rural Institute – deemed University, Gandhigram.

WEBINARS ATTENDED

1. **‘Prevention of Disease Control Through Solid Waste Management’** conducted by K.Ramakrishnan College of Technology, Thiruchi on 27.05.2020
2. **‘International webinar on Chemistry’** conducted by The American College, Madurai on 29.05.2020
3. **‘National level American college Webinar’** conducted by The American College, Madurai on 05.06.2020
4. **‘Electroanalytical Techniques’** conducted by The American College Central Instrumentation Center, The American College, Madurai on 24.06.2020
5. **‘Sustainable low cost carbon nanomaterials: synthesis and applications’** conducted by Sri Meenakshi Government Arts College for Women, Madurai on 26.06.2020
6. American College Central Instrumentation Center organizes webinar on **‘Spectroscopic Techniques’** on 07.07.2020
7. American College Central Instrumentation Center organizes webinar on **‘Spectroscopic Techniques-II’** on 08.07.2020
8. American College Central Instrumentation Center organizes webinar on **‘Analytical Techniques’** on 09.07.2020
9. National Webinar on **‘IPR and Patent enforcement in India’** by St. Antony’s College of Arts and Science for women, Dindigul on 15-07-2021
10. National webinar on **‘Solving Challenging Problems in Chemistry using Computational Chemistry and Machine Learning’** conducted by The American College, Madurai on 14.06.2021
11. National level webinar – II on **‘Addressing Alzheimer’s disease – A Chemist’s perspective & Forensic Science at a Glance’** conducted by The American College, Madurai on 23.06.2021

12. International Webinar –III on ‘**PEM fuel cells for Electric vehicles & Heterogeneous catalyst design for desulfurization targeting clean environment**’ conducted by The American College, Madurai on 28.06.2021
13. International Webinar –IV on ‘**How electrochemistry and vibrational spectroscopy work in industry & Rechargeable Li-ion batteries and beyond: Chemist’s role towards technology development**’ conducted by The American College, Madurai on 14.08.2021
14. Three Days online workshop on **X-Ray Diffraction**”organized by American College Central Instrumentation Centre (ACCIC) from 30-08.2021 to 02.09.2021.

PERSONAL DETAILS

Name : Dr. J. Angelin Thangakani
Spouse Name : Mr.M.Thirugnanam
Date of Birth : 24.05.1980
Sex : Female
Religion : CSI Christian
Language Known : Tamil, English
