

STAFF PROFILE

- 1) **Name** : DR. C. SUBHA
- 2) **Designation** : Assistant Professor
- 3) **Department** : Chemistry
- 4) **Qualification** : M.Sc., M.Phil., Ph.D.,
- 5) **Experience** : Teaching: 12.5 y Research: 6y
- 6) **Area of Specialization (s)** : Polymer Chemistry and Corrosion Chemistry
- 7) **E-mail** : subha.moses@gmail.com
- 8) **Academic Qualifications** : M.Sc., M.Phil., Ph.D.,

9) Projects

Completed

Project Title	Agency	Amount	Duration
Evolution of newly synthesized polyamides as corrosion inhibitors	TNSCST	7,500	Completed (2018-2019)

10) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	3
M. Phil.	1	-

11) Research Publications

International

1. **Subha.C.**, Sri priya.S and Selvaraj.A., Studies on the Cobalt(II) and Copper(II) complexes of 2,5-substituted 1,3,4-Triazoles, IOSR-JAC, (Sept-Oct 2013), Vol.5, Issue 4, pp16-18.
2. Sri priya.S., **Subha.C.** and Selvaraj.A., The inhibition chemistry of 2-amino,5-phenyl1,3,4-Triazole for Aluminium in HCl solution, IOSR-JAC, (Nov-Dec 2013), Vol.6, Issue 2 pp25-29.
3. **Subha.C.**, Selvaraj.A., and R. Thevi., Corrosion inhibitive properties of 2,5-substituted 1-oxa 3,4-diazole derivatives on corrosion of Aluminium in 1MHCl medium, IJAETMAS, (Aug.2016), Vol.3, Issue 8, Pg.86-93.

4. Mabel Selva Rani. and **C. Subha***, Adsorption and Inhibitive Properties of *Coccinia Grandis* Fruit Extract as Green Corrosion Inhibitor For Copper in Acid Media ,Journal of Chemistry and Chemical Sciences,February 2019,Vol.9(2), 63-73.
5. J. Johny Caroline, **C. Subha.**,An Efficient Synthetic Pathway to Arrive at Polymers with Triazole Moiety, Journal of Interdisciplinary Cycle Research,March/2020, Volume XII, Issue III, ,ISSN NO: 0022-1945
6. J. Johny Caroline, **C. Subha.** Evaluation on the cytotoxic activity of new triazole polymers and its inhibitory studies., Compliance Engineering Journal, August 2020, Volume 11, Issue 8, ISSN NO. 0898-3577(UGC Care Gp II)
7. **C. Subha**, Reni joice, LeenaRexilene, Tharani, "Synthesis and Characterization of new aromatic polyesters with different oxadiazole moieties" Journal of Advanced Scientific Research. October 2020, UGC Care list

National

1. **Subha.C** and Selvaraj.A., Synthesis and characterization of Co (II) and Ni (II) complexes of 2, 5-substituted 1, 3,4oxadiazole derivatives, **Res. J. Chem. Sci.**, (2014)Dec. Vol.4(12), 34-38.

12) Other Publications : 21 publications in Proceedings

13) Book Publications : Lab Manual on "Semi micro qualitative analysis on Salt mixture"

14) Presentations in Conference

International

1. Application of poly amides containing oxadiazole moiety as corrosion inhibitor on aluminium in acid solution, at 3rd International Conference-RESE 2019,Dr.NGM Engineering and Technology,Pollachi, on 13.12.2019.
2. Monosodium glutamate as corrosion inhibitor for mild steel and aluminium in acid medium, at International Conference on Energy, Environment and Engineering (ICEEE-2016, Coimbatore Institute of Technology, on February 29th, March 1st and 2nd 2016.

National

1. "Corrosion inhibition influence of Triazoles" presented at the UGC sponsored **National Seminar** on Chemistry-a solution to global challenges, at Nirmala College for Women, Coimbatore,on 24.2.2012.
2. "Optimization of controlled potentials of recovery of precious metals from Ni-Cd cells effluent sludge" in the **Indian National conference** on Development in Inorganic applications (INDIA 2015) at Periyar university, Salem on 15th and 16th October 2015.(Poster)
3. "Synthesis and Characterization of transition metal complexes with 2-formylcyclohexylidene thiosemicarbazone as ligand" in the **Indian National conference**

on Development in Inorganic applications (INDIA 2015) at Periyar university, Salem on 15th and 16th October 2015.(Poster)

4. "Synthesis, Spectral and Magnetic studies of transition metal complexes of 3-amino-5-phenyl-1,2,4-triazole" in the **Indian National conference** on Development in Inorganic applications (INDIA 2015) at Periyar university, Salem on 15th and 16th October 2015.(Oral)
5. Synthesis and Characterization of Polymer Metal Complex Using Oxadiazole Polyester As Ligand, in the National Seminar on Advanced Materials for Energy, Environment and Medicinal Applications (AMEEMA), Volume 1, ISBN 978-93-87009-56-1. Page 37-40,organised by Department of Chemistry, NGM College, Pollachi, July 2019.

15) Participation in Conference

1. **International Conference on Coordination and Organometallic Chemistry (ICCO-2009)** at Bharathiar University on 19.03.2009 & 20.03.2009
2. **Indian National conference** on Development in Inorganic applications (INDIA 2015) at Periyar University, Salem on 15th and 16th October 2015.
3. **International Conference** on Energy, Environment and Engineering (ICEEE-2016) at CIT, Coimbatore on February 29th, March 1st and 2nd 2016
4. **3rd International Conference-RESE 2019**, Dr. NGM Engineering and Technology, Pollachi, on 13.12.2019

16) Participation in Seminar: 21 Seminars

17) Participation in Workshop:

1. **Virtual Labs in Physics and Chemical Sciences Workshop** at Amrita University, Kollam on 18.1.2013.
2. **Science Academies' Lecture Workshop** at Kongunadu College of Arts and Science on 21.07.2017 & 22.07.2017
3. **STEM Teacher Training Workshop on Research Based Pedagogical Tools** held from 10.12.2017 to 13.12.2017 at IIT, Gandhinagar Organised by DBT, Newton Bhabha Fund of British Council, CoESME-IISER,Pune, and Sheffield Hallam University, UK.

18) Participation in Orientation Programme/ Induction Programme/ Short term Courses

Induction Programme

Participated in Induction programme for Faculties In Colleges/Universities/Institute of Higher Education,organized by Teaching Learning Centre, Ramanujam College, University Of Delhi, from 04.06.2020 to 01.07.2020.

19) Participation in Faculty Development Programme

1. Environment Audit of Infrastructure, Extension Activity and institutional social responsibility at Nirmala College for Women on 30.10.2015
2. Faculty Development Programme on multimedia at Nirmala College for Women on 21.03.18 & 22.03.18.
3. Innovative Teaching Strategies organized by Curriculum Development Cell, Nirmala college for Women, Coimbatore, on 30.10.19

20) Conference/ Seminar/ Workshop Organized

1. **Two days regional workshop** on “Essentials of Spectroscopy, Pericyclic reactions and Quantum chemistry- **SPQ 2013**” -09.01.2013 & 10.01.2013 at Nirmala College for Women.
2. “Fundamentals of statistical Thermodynamics, Nanochemistry, Corrosio chemistry and Spectroscopy –**STNCS 13**”-03.09.2013 & 04.09.2013 at Nirmala college for Women.
3. **International Conference on Energy, Environment and Engineering ICEEE-2016** - 29.02.2016 to 02.03.2016 at Coimbatore Institute of Technology.
4. **Inter College Chemistry meet “Chemflair’16” and “Chemflair’18”** at Nirmala College for Women.
5. **Nirmala Annual Research Congress NARC-2017** on 06.12.2017, **NARC-2018** and **NARC-2019** on 27.11.2019, and **Edited** the proceedings for the congress.
6. **Micro Analysis in Chemistry** – Workshop Under DBT STAR College Scheme. 19.01.2016
7. **Emerging Trends In Frontiers Of Metal Organic Chemistry** - UGC Sponsored Seminar - 18.02.2016.
8. **Orientation Programme for UGC NET Exam In Chemistry** – UGC Funded - 10.02.2017.
9. **Principles and Applications of Mass Spectrometry, Polarography and Nano Chemistry** – UGC Funded Seminar – 12.02.2018.
10. **Chemistry for National Level Competitive Examination** – Orientation Workshop – 29.10.2018.
11. **Tuning Academic Research for Potential Funding Opportunities** – FDP - Funded Under the DBT Scheme – 19.01.2019.

12. **World Ozone Day Celebration** – Poster Competition – Every Ozone Hole – A Threat to our Soul. Funded under the DBT Star College Scheme – 16.09.2019.
13. **History and Chemistry of Periodic Table** – Exhibition in Commemoration of International Year of Periodic Table of Chemical Elements – IYPT 2019 – Funded Under the Star College Scheme, DBT, Govt of India - 19.09.2019.
14. In Commemoration Of **International Year Of Periodic Table Of Chemical Elements – IYPT 2019** – National Seminar -Funded Under the Star College Scheme, DBT, Govt of India - 20.09.2019.
15. **Sustainable Innovations And Empowerment In Chemistry** – International Symposium – Video Conference - 18.12.2019.
16. **Contemporary Horizons In Chemical Sciences (CHCS 2020)**- International Seminar - 10.02.2020.

21) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

1. **Resource person** for CHEMBOND-16 at Kongunadu College of Arts and Science on 09.01.2016.
2. **Guest Lecture** on Solid State to the School teachers organized by District Institute of Education and Training (DIET), Tamilnadu Government (Education Department), Coimbatore, on 20.06.2019
3. **Guest Lecture on** NAAC Revised guidelines for Criterion VI-Governance, Leadership and Management at A.G. College, Tirupur, on 25.02.2020
4. **Guest Lecture on** NAAC Revised guidelines for Criterion VI-Governance, Leadership and Management at Erode Christian college, Erode, on 29.02.2020
5. **Guest Lecture on** NAAC Revised guidelines for Criterion VI-Governance, Leadership And Management at KayPeeYes College, Kotagiri, on 03.03.2020
6. **Guest Lecture on** NAAC Revised guidelines for Criterion VI-Governance, Leadership And Management at Bishop Ambrose College, Coimbatore, on 04.03.2020
7. **Guest Lecture on** NAAC Revised guidelines for Criterion VI-Governance, Leadership and Management at Angappa College, Malumichampatti, on 05.03.2020

22) Editorial/ Review Board Member

Editor:

1. International J of Environmental chemistry

2. International J of Analytical and Applied chemistry
3. International J of Green chemistry

Reviewer: International J of Creative research thoughts