

RESUME

Name : **Mrs. M. Anusuya**
Assistant Professor
PG Department of Chemistry
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Educational Qualification : **M.Sc, M.Phil., B. Ed.**

Specialisation : **Organometallic Chemistry, Coordination Chemistry, Bioinorganic Chemistry and Nanochemistry.**

Working Experience

Under graduate and Post Graduate Level : 3 Years 6 Months

Research Experience (4 Years)

- **Ruthenium(II) hydrazone complexes: synthesis, structure, biomolecular interaction and *in vitro* cytotoxicity**, Bharathiar University, Coimbatore-46 (M. Phil).
- **A study on influence of solvent polarity on R_f values**, University College, Trivandrum-14 (M. Sc).
- **Novel synthesis, characterization and biological activities of Schiff base hydrazone complexes** – Ongoing.

Workshops/Conferences/Guest lecture Organized

- ✚ Organizing secretary for **one day state level workshop** on “Spectral data interpretation and chromatography technique” on 26th July 2018 at NGM College, Pollachi.
- ✚ Organizing secretary for **Guest Lecture** on “Magnetic Nanomaterials for Cancer Drug Targeting”, conducted by the PG department of chemistry 12th September 2018 at NGM College, Pollachi.

Membership in professional bodies:

- ✚ Life Member of International Association of Engineers (IAENG)
- ✚ Life Member of International Society for Research and Development (ISRDR)

Academic Activities

- ✚ No of Articles Published
in International/ National Journals : **03**
- ✚ No of Paper presented in Conferences/seminars : **02**
- ✚ No of conferences/ seminars Attended : **18**

Workshops/Conferences/ Seminars Attended

- Participated in one day International Symposium on ‘Trends in Solar Cell Research’ held on 3rd October 2018 at Kongunadu Arts and Science College, Coimbatore.
- Participated in one day workshop on ‘E-Content Development’ held on 28th September 2018 at NGM College, Pollachi.
- Participated and **presented** a paper entitled ‘Synthesis, structure and antioxidant activity of Ru(III) Benzoyl pyridine complex’ in one day national seminar on “Innovations in chemical sciences and green technology” held on 6th and 7th September 2018 at PSGR Krishnammal college for women, Coimbatore.
- Participated in one day Faculty Orientation Programme held on 24th August 2018 organized by the Human Excellence, Academy for Professional Development & Training and Placement Cell, at NGM College, Pollachi.
- Participated in one day Faculty Development Programme held on 21th July 2018 entitled ‘Mentoring the Mentors’ organized by Karunya Institute of Technology and Sciences, Coimbatore.
- Participated and **organized** one day state level workshop on “Spectral data Interpretation and Chromatographic techniques” held on 20th July 2018 at NallamuthuGounderMahalingam College, Pollachi, Coimbatore.
- Participated one day “Hands on Draining in Paper Publication writing and publishing Research papers in International Journals” held at Nehru Institute of Engineering and Technology held on 20th January 2018.
- Participated one day National seminar on “Trends in chemical industry” held on 18th January 2018 at Kongunadu Arts and Science College, Coimbatore.
- **Presented** a paper entitled “Preparation and characterization of Lanthanide metal oxide nanoparticles of sulphate complexes” in the State level seminar on Recent developments in Chemistry held on 5th January 2018 at Arignar Anna Government Arts College, Namakkal.
- Participated two day seminar on “Advanced Nanocomposites for Biomedical Applications” held on 14th and 15th December 2017 at P. A. College of Engineering and Technology, Pollachi.
- Participated two days National workshop on “X-ray crystallography and its applications” held on 5th and 6th March 2014 at Bharathiar University, Coimbatore.
- Participated two days National seminar on “Design and functionalization of nanomaterials” held on 19 and 20 November 2009 at University College, Trivandrum.
- Participated two days National workshop on “Analytical Chemistry and Environmental Sciences” held on 11-12 December 2008 at Mar Ivanios College, Trivandrum.
- Participated the workshop on “Polymer Science and Technology: Current Trends and Future Scenario” held on 24.07.2010 at Trivandrum.
- Participated the workshop on “Smart materials: Current Trends and Future Scenario” held on 27.06.2009 at Trivandrum.
- Attended the seminar on the topic “Become an effective Teacher” at Govt. College of Teacher Education on 28-29 September 2011.

Research Publications

- ✎ E. Jayanthi, **M. Anusuya**, N.S.P. Bhuvanesh, K.A. Khalil & N. Dharmaraj (2015) Synthesis and characterization of ruthenium(II) hydrazone complexes as anticancer

chemotherapeutic agents: *in vitro* DNA/BSA protein binding and cytotoxicity assay, **Journal of Coordination Chemistry**, 68:20, 3551-3565.

-  E. Jayanthi and **M. Anusuya** (2018) Synthesis, Characterization, Thermal analysis and DNA Cleavage activity of Copper Pyrazole Schiff base, **Kongunadu research journal**, 5(1), 23-27.