

FACULTY PROFILE



Name & Designation	: Mrs. M. Anusuya Assistant Professor Post Graduate Department of Chemistry NGM College, Pollachi, Coimbatore – 642001
E-mail	: anusuyamk@gmail.com manusuya@ngmc.org
Educational Qualification	: M.Sc, B.Ed., M.Phil., (Ph.D)
Specialization	: Bioinorganic Chemistry, Nanomaterial Synthesis
Working Experience	: 5 Years

Research Experience (5 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 Research.

Membership in Professional Bodies.

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

Academic Activities

● No of M.Sc., Project guided	: 08
● Member of Board of studies at NGM College (PG Chemistry)	
● No. of Articles Published in International/ National Journals	: 06
● No. of articles published in Conference Proceedings	: 06
● No of conferences/ seminars/workshops Attended	: 15
● FDP/Hands on training Attended	: 10

Online Participation

● Short Term Online Courses Completed	: 12
● Online Webinar Attended	: 30
● FDP/ Hands on Training Attended	: 18
● Online Conference/ Seminar/Workshop Attended	: 25

Organizing Member

- ✚ Organizing member of one day state level workshop on “Spectral data interpretation and chromatography technique” on 26th July 2018 at NGM College, Pollachi.
- ✚ Organizing member of Guest Lecture on “Magnetic Nanomaterials for Cancer Drug Targeting”, conducted by the PG department of chemistry 12th September 2018 at NGM College, Pollachi.
- ✚ Organizing member of Guest Lecture on “NMR SPECTROSCOPY” conducted by the PG department of chemistry 13.10. 2018 at NGM College, Pollachi
- ✚ Organizing member of Guest lecture on “Recent research development in chemical Sciences” by the PG department of chemistry 18th March 2019 at NGM College, Pollachi.
- ✚ Organizing member of Tamilnadu State Council for Science and Technology sponsored Two days national level seminar on Advanced materials for Energy, Environment and Medicinal Applications on 11.07.2019 & 12.07.2019 at NGM College, Pollachi.
- ✚ Organizing member of Guest lecture on “SUPRA MOLECULAR ASSEMBLY OF NANO AGGREGATES” conducted by the PG department of chemistry 02.08.2019 at NGM College, Pollachi
- ✚ Organizing member of Tamilnadu State Council for Higher education sponsored Two days national level Conference on “Role of Phytochemical and Advanced Materials in Cancer Prevention and Research” on 26.02.2020 & 27.02.2020 at NGM College, Pollachi.

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.
- ✎ A. Nagaveni, M. Anusuya, E. Jayanthi and N. Renugadevi (2019) Crystal Violet Dye Removal Using Activated Carbon *Leucaena Leucocephala* By Adsorption Method, **American International Journal of Research in Science, Technology, Engineering & Mathematics**, IBCFT-018, 31–36.

- ✍ E. Jayanthi, **M. Anusuya** and A. Nagaveni (2019) Ag/TiO₂ Nanocomposite: Synthesis, Characterization, Photocatalytic and Antimicrobial Activities, **American International Journal of Research in Science, Technology, Engineering & Mathematics**, IBCFT-018, 37-43.
- ✍ K. Poonkodi, R. Mini, K. Vimaladevi, V. Prabhu, **M. Anusuya**, M. Karthigai priya and K.S. Saranya (2019) *In Vitro* Cytotoxicity Potential of Ethanol Extract of *Syzygium Samarangense* (Wt.), **Kongunadu Research Journal**. 6(1): 29-31, 2019.
- ✍ E. Jayanthi, **M. Anusuya**, R. Anusuya, K. Thenmozhi, A. Nagaveni and N.S.P. Bhuvanesh, Synthesis, Structure and Antioxidant Activity of Ruthenium(III) Benzoyl Pyridine Complex, **Asian Journal of Chemistry**. 32(3): 641-645, 2020.