

FACULTY PROFILE

Name & Designation : **K.VIMALADEVI. M. Sc., M. Phil., (Ph.D)**
Assistant Professor,
PG Department of Chemistry,
NGM College, Pollachi, Coimbatore – 642001

E-mail : k.vimala83@gmail.com

Educational Qualification : **M. Sc, M. Phil., (Ph.D)**

Specialization : **Inorganic Chemistry, Phytochemistry**

Working Experience : **12.5 Years**

Research Experience (5 years)

❖ Pursuing Ph.D in Phytochemistry.

❖ **M. Phil Project Work**

Synthesis, Spectral, X-Ray Crytallography And Eletrochemical Studies Of 2-Hydroxy-1-Naphthaldehyde Thiosemicarbazone And 2- Hydroxy-1-Naphthaldehyde-4(N)-Ethylthiosemicarbazone Nickel (Ii) Complexes Containing Triphenylphosphine.

Academic Activities

- ❖ No of M.Sc Project guided :24
- ❖ Member of Board of studies at NGM College (PG Chemistry)
- ❖ No. of Articles Published in International/National Journals :11
- ❖ No. of articles published in Conference Proceedings :25
- ❖ No of conferences/seminars/workshops Attended :40
- ❖ FDP/Hands on training Attended :05

Online Participation

- ❖ Short Term Online Courses Completed : 13
- ❖ Online Webinar Attended : 41
- ❖ FDP/ Hands on Training Attended : 22
- ❖ Online Conference/ Seminar/Workshop Attended : 12

Workshops/Conferences/Guest lecture Organized

- Organizing member for one day National level Conference on “Recent Innovations in Greener Nano Technology” on 21 July 2017 at PG Department of Chemistry, NGM College, Pollachi.
- Delivered a Half day Food Adulteration training session on “In-service Training Programme for Secondary Grade Science Teachers” Organized by Department of Physics at NGM College, Pollachi on 28 August 2017.
- Organizing member for one day state level workshop on “Microscale Experiments in Chemistry” on 09th January 2018 at PG Department of Chemistry, NGM College, Pollachi.
- 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.
- Organizing member of AICTE-ATAL Sponsored Faculty development program On “Novel materials for Next Generations” from 26.07.2021 to 29.07.2021.

Research Publications

- Chemical composition and *in vitro* Antimicrobial, anti MRSA activities of Essential oil of *Clerodendrum inerme* (L) grown in Western Ghats region, South India, K. Poonkodi, K. Vimaladevi and R. Mini, International Journal of Chem tech Research. 2017, 10(9); 277-282.
- Evaluation Of *In vitro* Anticancer And Anti Inflammatory Potential of *Mitracarpus Villosus* (Sw) Dc, R. Priyadharsini and S. Vinitha, K. Poonkodi, K. Vimaladevi, M. Rubini, Int J Pharm, 2017, 7(3):78-81
- GC-MS analysis of petroleum ether, chloroform and methanol extract of *Ixoracoccinea*'s Flower and *in-vitro* cytotoxic activity of methanolic extract against DLA and EAC cancer cell lines. V. Prabhu, K. Poonkodi, R. Mini, K. Vimala Devi and M. Karthigai Priya.

International journal of analytical and Research reviews. 2018, 5(4):801-807.

- Phytochemical Analysis and *In-vitro* Anticancer Activity of Ethanol Extract of *Wrightia tinctoria*, R. Mini, **K. Vimaladevi**, American International Journal of Research in Science, Technology, Engineering & Mathematics.2019, ISSN : 2328-3580, 184-187.
- *In-vitro* cytotoxicity potential of ethanol extract of *Syzygium samarangense* (wr.) Poonkodi K, V. Prabhu, R. Mini, **K. Vimaladevi**, M. Anusuya, M. Karthigai Priya and K. S. Saranya, Kongunadu Research Journal, 6(1):29-31,2019.
- Essential Oil Composition and Biological Activities of *Aegle marmelos* (L.) Correa Grown in Western Ghats Region-South India, Kathirvel Poonkodi , **Krishnasamy Vimaladevi**, Murugesan Suganthi and Neelakrishnan Gayathri, Journal of Essential Oil Bearing Plants.2019, 22(4):1013-1021.
- Chemical Composition of Essential Oil of *Cananga odorata* (Lam.) Hook. F. & Thomson Leaves and Its Biological Activities, Krishnasamy Vimaladevi, Madhiyan Selladurai, Kathirvel Poonkodi, Velliangiri Prabhu, Raman Mini & Balasubramaniyam Manojkumar, Journal of Essential Oil Bearing Plants.2021, 24 (3):596 – 602.
- GC-MS Analysis, Phytochemical Screening and Biological Activity of *Bauhinia tomentosa* (Linn.) R. Mini, V. Prabhu, K. Vimaladevi, J. Sowmiya, And G. Sibi, Asian Journal of Chemistry, 2021, 33(11), 2641-2644.
- M. Karthigai Priya , K. Poonkodi, K. Vimaladevi , V. Anitha, R. Chitradevi , E. Jayanthi and M. Suganthi. Chemical profile and *in-vitro* biological activities of *Eupatorium adenophorum* SPRENG, Rasayan Journal Chemistry, Vol. 15 (4), 2366-2372, 2022. (Scopus).
- **K. Vimaladevi**, M. Selladurai, K. Poonkodi, Velliangiri P, Raman M, Anandhan A. Chemical Profile and Biological Activities of Essential oil from *Artabotrys hexapetalus* (L.f.) Bhandari Grown in Southern Parts of Western Ghats. **Orient J Chem**, 38(6). 2022. (Web of Science).
- K. Poonkodi, V. Anitha, R. Chitradevi , M. Suganthi, **K. Vimaladevi**, V. Prabhu, R. Mini, M. Anusuya. Adsorption of crystal violet dye on biomass from *Bauhinia tomentosa* seed pod powder: equilibrium and kinetic studies, **Indian Journal of Natural Sciences**, 75, 2022. (Web of Science)
- R. Mini, V. Prabhu, K. Poonkodi, **K. Vimaladevi**, M. Anusuya, M. Vasuki, (2023) Bio synthesis, Characterization of ZnO Nanoparticles from *Scoparia dulcis* L. plant extract and its in-vitro Antioxidant, Acetylcholinesterase Activity, 10(2), **Plant Science Today**, 90-97. (Scopus and Web of Science)
- R. Mini, V. Prabhu, K. Poonkodi, **K. Vimaladevi**, K. Revathi Green synthesis of Silver nano particles from *Scoparia dulcis* L. plant extract and its *in-vitro* acetylcholinesterase and antioxidant activity. Rasayan Journal of Chemistry. 2023. (Scopus)