

I. ACTIVITIES OF THE YEAR 2018-2019

- PG Department of Chemistry, NGM College organized a State level Workshop on **“SPECTRAL DATA INTERPRETATION AND CHROMATOGRAPHIC TECHNIQUES”** on 26.07.2018 delivered and demonstrated by Dr.S.Ravi, Professor & Head, Karpagam University, Coimbatore.



DESCRIPTION

PG Department of Chemistry has conducted a state level workshop on **“SPECTRAL DATA INTERPRETATION AND CHROMATOGRAPHIC TECHNIQUES”** on 26/07/2018. As a mark of our tradition and culture, the dignitaries lighted the kuthuvillaku. Dr. K. Poonkodi, Assistant professor and Head, PG Department of Chemistry welcomed the gathering, Dr. P. M. Palanisamy, Principal NGM College, delivered the presidential address and insisted the importance of Spectroscopy Techniques. He listed out the benefits of research. Following his speech, he honored the chief guest with a shawl and memento. The guest speaker Dr. S. Ravi, Professor & Head, Department of Chemistry, Karpagam University, Coimbatore delivered his lecture on **“Spectral Data Interpretation and Chromatographic Techniques.”** He explained the all type of spectroscopic techniques and how to interpret the compounds. His speech was very useful for our students. Our principal inaugurates the hands on training the **“Chromatographic Techniques”** for our and other department students. This session was followed by Valedictory Session. In the valedictory function, certificates were distributed to all the participants. The one day National Conference concluded with the vote of thanks.

- PG Department of Chemistry, NGM College organized a Guest Lecture on “**MAGNETIC NANOMATERIALS FOR CANCER DRUG TARGETING**” delivered by **Dr. I. V. Muthu Vijayan Enoch**, Associate Professor, Nanotoxicology Research Lab, Department of Nanosciences, Karunya Institute of Technology and Sciences, Coimbatore.



DESCRIPTION

The Post Graduate Department of Chemistry has conducted a Guest Lecture on “**MAGNETIC NANOMATERIALS FOR CANCER DRUG TARGETING**” on 12/09/2018. As a mark of our tradition and culture, the dignitaries lighted the kuthuvillaku. Dr. K. Poonkodi, Assistant professor and Head, Department of Chemistry (PG) welcomed the gathering. The chief guest was honored with a shawl and memento. The special address was delivered our Principal in charge Dr. **Manika cheliyan**. The guest speaker Dr. I. V. Muthu Vijayan Enoch, Associate Professor, Nanotoxicology Research Lab, Department of Nanosciences, Karunya Institute of Technology and Sciences, Coimbatore. He delivered how to apply Cancer Drug Targeting in magnetic nanomaterials. His speech enlightened the student’s knowledge of magnetic nanomaterials. The Guest Lecture concluded with the vote of thanks.

- PG Department of chemistry, NGM College inaugurates a Research Club on 27.02.2019. Inaugural address delivered by Dr. S.Umapathy, Dean Research, NGM College, Pollachi





DESCRIPTION

The Post Graduate Department of Chemistry has inaugurated a Research Club on 27.02.2019. Dr. K. Poonkodi, Assistant professor and Head, Department of Chemistry (PG) welcomed the gathering. The inaugural address delivered by Dr. S. Umapathy, Dean Research, NGM College, Pollachi. He motivates our students to flourish of Research. Our Principal Dr.P.M.Palanisamy was delivered the special address.

II. FDP/ Conference/ Seminar/Workshop/ orientation programme attended

- ❖ Ms.R.Mini, Mrs.K.Vimaladevi, Dr.V.Prabhu and Mrs.M.Anusuya has participated Faculty Development Programme “Mentoring the Mentors” at NGM College on 21.07.2018.
- ❖ Ms. R.Mini, Ms. M.Anusuya and Students attended One day Indian Science Congress association sponsored International Symposium on “Trends in solar cell research” organized by PG Department of Chemistry, Kongunadu Arts & Science College, Coimbatore on 3.10.2018.
- ❖ I and II-M.Sc students has participated Two day Science Academies Lecture workshop on Frontiers in Spectroscopy Organized by Department of Chemistry Kongunadu Arts & Science College, Coimbatore on 11th & 12th October 2018.
- ❖ Ms. R.Mini coordinated the “Chess Tournament” organized by NGM College and UGAM TRUST, Karur on 8th and 9th September 2018.
- ❖ Ms. Anusuya and Dr. K.Poonkodi Attended one Day CSIR sponsored national level seminar on “Recent advances in crystal growth for Nanophotonics and non-linear optics” organized by Nehru Institute of Engineering & Technology, Coimbatore on 24th November2018.
- ❖ Ms. Anusuya and Ms.R.Mini Attended one Day Faculty Improvement Programme on “Quantitative and Qualitative aspects of Practical Chemistry” organized by GVG College for Women, Udumalpet on 13th December 2018.

- ❖ Dr.K.Poonkodi and I M.Sc Chemistry students attended one Day International Seminar on “Frontiers in Nanotechnology and Computational Chemistry” held at Sri GVG Visalakshi college for women, Udumalpet, Tamilnadu on 28th December 2018.
- ❖ Dr.V.Prabhu , Ms. R. Mini, Research scholars and II M.Sc Students Presented one Day National Conference on “Innovations in Biochemical and Food Technology” held at Kumaraguru College of Technology, Coimbatore on 02nd February 2019.

III. Research Publications International Refereed Journals

- ❖ **Velliangiri Prabhu, K.Poonkodi, R.Mini, K.Vimala Devi & M. Karthigai Priya**, Gc-ms analysis of bioactive compounds present in the petroleum ether, chloroform and methanol extract of *Ixora coccinea*'s flower and in-vitro cytotoxic activity of methanolic extract against DLA and EAC cancer cell lines. International Journal of Research and Analytical Reviews, 5(4); 2018, 801-807.
- ❖ **Saranya.K.S., Karthigai Priya. M and Poonkodi. K**, Chemical composition of ethanol extract of *Diosypros montana roxberg* leaves and its biological activities. American International Journal of Research in Science, Technology,Engineering & Mathematics, 2019,165-167.
- ❖ **Karthigai Priya M, Saranya. K .S and Poonkodi. K**, Evaluation of phytoconstituents of *Feronia limonia* and its in vitro cytotoxicity. American International Journal of Research in Science, Technology,Engineering & Mathematics, 2019,170-174.
- ❖ **Jeevitha N, Nandha kumar K, Vasantha Mohan S, Pradeep K and Velliangiri Prabhu**, Evaluation of phytoconstituents of *Andrographis paniculat* and its IN VITRO antioxidant activity against DPPH and ABTS assay. American International Journal of Research in Science, Technology,Engineering & Mathematics, 2019,179-183.
- ❖ **Mini.R and Vimaladevi.K**, Phytochemical analysis and invitro anticancer activity of ethanol extract of *Wrightia tinctoria*, American International Journal of Research in Science, Technology,Engineering & Mathematics, 2019,184-187.
- ❖ Nagaveni, **M. Anusuya**, E. Jayanthi, N. Renugadevi, Crystal Violet Dye Removal Using Activated Carbon *Leucaena Leucocephala* By Adsorption Method, American International Journal of Research in Science, Technology,Engineering & Mathematics, 2019, 31-36.
- ❖ E. Jayanthi, **M. Anusuya** and A. Nagaveni, Ag/TiO₂ Nanocomposite: Synthesis, Characterization, Photocatalytic And Antimicrobial Activities, American International Journal of Research in Science, Technology,Engineering & Mathematics, 2019, 37-43.