

Department of Chemistry

Achievements

The department has organised two international conferences in the month Dec, 2021 & 2022. In both the conferences, eminent professors and scientists in international and national universities and laboratories participated.

Staff Achievements

Faculty : Dr. R. Satheesh Kumar

- ❖ Published the research article entitled with “Synthesis and Photophysical Properties of Bipolar Compound: Triphenylamine/DiazafluoreneCarbazole” in the *journal of Fluorescence* in the year 2024. (Journal of Fluorescence, 2024, 1-12).
- ❖ Acted as one of the Co-Convenors in “International Conference On Frontiers in Chemistry and Material Science” which was organized on 21 & 22 December, 2021 at Mannar Thirumalai Naicker College.
- ❖ Completed the various NPTEL and short term courses offered by various institution in the academic year 2018 – 2024 which is tabulated below.

S. No	Name of the Professional Development Programme	Duration period	Name and address of the Institution imparting training
1	Fundamentals of Statistical Thermodynamics	Jul-Oct 2023	NPTEL-AICTE
2	Coordination Chemistry (Chemistry of Transition Elements)	Jan-Apr 2023	NPTEL-AICTE
3	Analytical Chemistry	Jul-Oct 2022	NPTEL-AICTE
4	Symmetry and Group Theory	Jan-Apr 2022	NPTEL-AICTE
5	Refreshing Concepts of a –Classical Thermodynamics numerical approach	13.08.2020 & 14.08.2020	Ethiraj College, Chennai.
6	A Virtual Connect With Group Theory (short term course)	21.05.20 to 31.05.29 and 10 days	D.G. Vaishnav College, Chennai

Faculty : Dr. V. Ramasamy Raja

- ❖ Completed the Institutional Sponsored Project Work entitled “Synthesis, characterization and optical properties of semiconductor nanocomposites for the enhanced photocatalytic and antibacterial activity” from June 2022- April 2023 received a grant for Rs. 12,500/- from Mannar Thirumalai Naicker College, Madurai.
- ❖ Completed the Institutional Sponsored Project Work entitled “Development of novel photocatalytic nanocomposites and their environmental application” from June 2021- April 2022 received a grant for Rs. 20000/- from Mannar Thirumalai Naicker College, Madurai.
- ❖ Completed the Institutional Sponsored Project Work entitled “Fabrication of visible light photocatalytic degradation for organic pollutants and using heterogeneous nanocomposites” from June 2019- April 2020 received a grant for Rs. 20000/- from Mannar Thirumalai Naicker College, Madurai.

- ❖ Published the research article entitled with “Preparation and Characterization of NiO-WO₃ nanocomposite with enhanced photocatalytic activity under visible light irradiation” in the *journal of Nanostructures* in the year 2022. (Journal of Nanostructures, 2022, 12, 353-365).
- ❖ Published the research article entitled with “Facile synthesis of heterogeneous CdONiO nanocomposite with efficient photocatalytic activity under visible light irradiation” in *Environmental Chemistry and Ecotoxicology* in the year 2021. (Environmental Chemistry and Ecotoxicology, 2021, 3, 76-84.).
- ❖ Organizing Committee Member of Second International Conference on Frontiers in Chemistry and Material Science, (ICFCMS 22), organised by The Department of Chemistry, Mannar Thirumalai Naicker College, Madurai held on 19 and 20 December 2022.
- ❖ Co-Convenor of International Conference on Frontiers in Chemistry and Material Science, (ICFCMS 21), organised by The Department of Chemistry, Mannar Thirumalai Naicker College, Madurai held on 21 and 22 December 2022.
- ❖ Received the Best Researcher Award (Science) for the Year 2022-2023 in “Trio Fiesta” Felicitation Ceremony on 5th September 2023 Organized by Mannar Thirumalai Naicker College, Madurai-04.