

Name : Dr. M. Dinesh kumar

Designation : Assistant Professor

Department : Chemistry

Qualification : M.Sc., M.Phil., Ph.D

Experience : Teaching: 8 Years 6 Months Industry: 1 Year Research: 7 Years

Area of Specialization(s) : Organo physical chemistry

Email (Official ID) : dineshkumarm@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D	Chemistry	Government Arts College, Coimbatore	2021
M. Phil	Chemistry	Government Arts College, Coimbatore	2015
M.Sc	Chemistry	National College, Tiruchirappalli	2012
B.Sc	Chemistry	Government Arts College, Karur	2010

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certificate	Drug Discovery	Coursera	2022
Certificate	Time Management	Infosys Springboard	2022
DCA	Windows XP, Ms office, HTML	CCI Computer education, Karur	2009

Research Publications (Indexed)

International

1. P. Rajesh, M. Dinesh kumar, R. Jamunarani, R. Sathishkumar, **Synthesis, characterization and Biological Activities of N-(3-Methyl-2,6-diphenyl-piperidin-4-ylidene)- N'-phenyl-hydrazine**, Journal of Environmental nanotechnology, Vol. 3, 7, pp 62-66, September 2014, ISSN: 23619-5541, [10.13074/jent.2014.09.143096](https://doi.org/10.13074/jent.2014.09.143096) (Google scholar)

2. P. Rajesh, M. Dinesh kumar, R. Jamunarani, **Molecular Docking Studies on Novel Phenyl Hydrazine derivatives of Piperidones for the Anticancer Efficiency**, Asian Journal of Chemistry, Vol. 27, 11, 3969-3974, October 2015, ISSN: 0970-7077, <https://doi.org/10.14233/ajchem.2015.19011> (Scopus & UGC)
3. M. Dinesh kumar, P. Rajesh, M. Ezhil Inban, P. Kumaradhas, **DFT Based Analysis of N-(3-Methyl-2,6-diphenyl-Piperidin-4-Ylidine)-N'-Phenyl hydrazine (3-MDPYP) molecule**, Rasayan Journal of Chemistry, Vol. 11, 1, 127-134, January 2018, ISSN: 0974-1496, <http://dx.doi.org/10.7324/RJC.2018.1111820> (Scopus & UGC)
4. H. Revathi, A. Kaviyarasu, T. Murugan, M. Dinesh kumar, R. Sharmila Devi, **Adsorption Isotherm and Kinetic Studies onto Removal of Reactive Yellow – 14 by using Ixora Coccinea Leaf Powder**, Rasayan Journal of Chemistry, Vol. 11, 4, 1415 – 1422, October 2018, ISSN: 0974-1496, <http://dx.doi.org/10.31788/RJC.2018.1143054> (Scopus & UGC)
5. H. Revathi, Ashlin Xavier, M. Dinesh kumar, T. Saranya, A. Kaviyarasu, T. Murugan, **Adsorption studies on Reactive Yellow – 14 dye using the leaves of Averrhoa Bilimbi**, Rasayan Journal of Chemistry, Vol. 12, 2, 719 – 726, April 2019, ISSN: 0974-1496, <http://dx.doi.org/10.31788/RJC.2019.1225094> (Scopus & UGC)
6. M. Dinesh kumar, P. Rajesh, R. Priya Dharshini, R. Ezhil Inban, **Molecular geometry, NLO, MEP, HOMO-LUMO and Mulliken Charges of Substituted Piperidin Phenyl Hydrazines by using Density Functional Theory**, Asian Journal of Chemistry, Vol. 32, 2, 401 – 407, January 2020, ISSN: 0970-7077, <https://doi.org/10.14233/ajchem.2020.22444> (Scopus & UGC)

National

1. M. Dineshkumar, M. Mohanraj, R. Rajkumar, R. Ravikumar, **Essential Oil, Phytochemical Analysis And Biological Activity Of Plectranthus Wightii Benth**, International Journal of Creative Research Thoughts, 10(12), e26-e34, December 2022, ISSN: 2320-2882 (Indexed in UGC).
2. M. Dineshkumar, R. Ravikumar, M. Mohanraj, R. Rajkumar, **A Comparative Study on Metal Ion Reducing Ability, Phytochemical Screening and Biological Activity of Flower, Stem and Leaf Parts of Todalia Asiatica (Linn.) Lam.**, International Journal of Creative Research Thoughts, 10(11), e863-e874, November 2022, ISSN: 2320-2882 (Indexed in UGC).
3. P. Rajesh, M. Dinesh kumar, R. Sathishkumar, **Synthesis and Characterization of N-(3-Methyl-2,6-diphenyl-piperidin-4-ylidene)-N'-phenyl-hydrazine**, Journal of NanoScience and NanoTechnology, Vol. 2, 7, pp 801-803, July 2014, ISSN: 2279-0381.

Book Publications

1. **Physical Chemistry: Lab Manual for PG Students**, M. Dinesh kumar, Published by Dr. N.G.P Arts and Science College, Coimbatore, 2022. **ISBN-978-81-960903-8-8**.
2. **Organic Chemistry: Lab Manual for PG Students**, R. Ravikumar, M. Dinesh kumar, Published by Dr. N.G.P Arts and Science College, Coimbatore, 2022. **ISBN-978-81-960903-1-9**.

Presentations in Conference

1. **Wastewater of Textile Industries and Eco Friendly Treatment Processes**, National seminar on Textile dye effluents and its Health Impacts – A Bio remedial approach, K.S.Rangasamy college of arts and science, Tiruchengode – 637 215, 15 & 16-Feb-2012.
2. **Synthesis & Antibacterial activity of N-(3-Methyl-2,6-diphenyl-piperidin-4-ylidene)-N'-Phenyl-Hydrazine**, International conference on “Chemistry – Frontiers & Challenges”, PSGR Krishnammal college for women, Coimbatore – 641 004, 5 to 7-Feb-2014.
3. **Synthesis & Antimicrobial activity of N-(3-Methyl-2,6-diphenyl-piperidin-4-ylidene)-N'-Phenyl-Hydrazine**, National conference on “Recent trends in medicinal chemistry”, Government Arts College, Coimbatore – 641 018, 19 & 20-Feb-2015.
4. **Molecular Docking Studies on Novel Phenyl Hydrazine derivatives of Piperidones for the Anticancer Efficiency**, National conference on “Microbial Prospects for Credible Development – Scope and Outcome”, Karpagam Academy of Higher education, Coimbatore – 641 021, 24 & 25-Jan-2018.
5. **DFT Based Analysis of N-(3-Methyl-2,6-diphenyl-piperidin-4-ylidene)-N'-Phenyl-Hydrazine**, National conference on “Recent Trends in Chemistry – 2018”, Sri Ramakrishna Mission Vidyalaya college of Arts and Science, Coimbatore – 641 020, 2-Feb-2018.
6. **DFT study on (E)-1-(2,6-bis(4-chlorophenyl)-3,5-dimethylpiperidine-4-ylidene)-2-phenylhydrazine (3,5DMCI) by using B3LYP method**, International conference on advanced Nanomaterials – 2019, Chettinad college of engineering and technology, Karur – 639 005, 12 & 13-Dec-2019.
7. **Structure and biological studies on (E)-1-(2,6-bis(4-chlorophenyl)-3,5-dimethylpiperidine-4-ylidene)-2-phenylhydrazine (3,5DMCI)**, National conference on Recent Trends in chemistry, Sri Ramakrishna Mission Vidyalaya college of Arts and Science, Coimbatore – 641 020, 7-Feb-2020.
8. **Synthesis, Characterization and biological evaluation on (E)-1-(2,6-bis(4-chlorophenyl)-3,5-dimethylpiperidine-4-ylidene)-2-phenylhydrazine (3,5DMCI)**, National conference on Recent Trends in Medicinal, Materials, environmental and Battery Research in Chemistry, Karpagam Academy of Higher education, Coimbatore – 641 021, 12 13-Mar-2020.
9. **Structure and biological studies on some substituted piperidone phenyl hydrazines**, One Day National Conference on Emerging Trends in Biochemical Science Sri Saradha Nikethan College for Women, Karur – 639 005, 22-Apr-2022.
10. **Essential Oil, Phytochemical Analysis and Biological Activity of Plectranthus Wightii Benth**, International Virtual conference on Future Prospects in Chemical Research, Seethalakshmi Ramaswami College, Tiruchirapalli – 620 002, 21 & 22-Dec-2022.

Participation in Conference

1. UGC Sponsored National Conference on Emerging Trends in Chemistry, Bishop Heber College, Tiruchirappalli, 11-Jan-12.

Participation in Seminars

1. Prof. R. Jeyaraman Memorial Seminar on “Prospects in Chemistry”, National College, Tiruchirappalli, 11-Mar-11.
2. Seminar on “Recent Developments in Chemistry”, School of Chemistry, Bharathidasan University, Tiruchirappalli, 29-Aug-11.
3. State level Seminar on “New Vistas in Chemistry”, Jamal Mohamed College, Tiruchirappalli, 4 & 5-Jan-12.
4. Seminar on “Chemistry and Industry”, National College, Tiruchirappalli, 09-Mar-12.
5. National Seminar on “Countless Miracles of Antibiotics Towards Dreadful Diseases”, Karpagam Academy of Higher education, Coimbatore, 7-Mar-2017.
6. National Seminar on “Smart Materials” PSG College of Arts and Science, Coimbatore, 7-Aug-2019.

Participation in Workshop

1. Frontiers in Catalysis Research, National College, Tiruchirappalli, 01-Oct-2010.
2. Interpretation of Spectral Data and Identification of Phytoconstituents, Karpagam Academy of Higher education, Coimbatore, 1 & 2-Sep-2017.
3. Nanomaterials and Nanochemistry, PSGR Krishnammal College for Women, Coimbatore, 22-Dec-2017.
4. Biogenic Nanoparticles and their Biological Activities in Clinical Trial, Karpagam Academy of Higher education, Coimbatore, 8 to 10-Feb-2018.
5. Hands on Training Programme on “Spectroscopic and Chromatographic Techniques”, Karpagam Academy of Higher education, Coimbatore, 9-Feb-2018.
6. Online workshop on “Nuances in computational chemistry”, D.D. Vaishnav college, Chennai, 2-Jul-20 to 5-Jul-20.

Participation in Orientation Programme / Short Term Courses

1. Online course on “Basic concepts & applications of Electrochemistry” Government Arts College, Kumbakonam, 21-May-20.
2. Online course on “Basic Principles of Spectroscopy” AVS College of arts and science, Salem, 17-Apr-20 to 19-Apr-20.

Participation in Faculty Development Programme

1. Faculty Development programme on Framework for Internet of Things (IoT) applications, Dr. N.G.P. Arts and Science College, Coimbatore, 21-Sep-21 to 30-Sep-21.
2. DBT Sponsored Faculty Development programme on Stress management, Nirmala college, Coimbatore, 14-Jul-21 to 15-Jul-21.

3. Online Faculty Development programme on Research methodology and pedagogy for tertiary education, NGM College, Pollachi, 15-Jun-21 to 21-Jun-21.
4. International virtual Faculty Development programme on Applications of advanced materials and technologies in chemical sciences, Eswari engineering college, Chennai, 31-Aug-20 to 4-Sep-20.
5. Online Faculty Development programme on Chemistry in an era of change, K. Ramakrishnan College of engineering, Tiruchirapalli, 13-Jul-20 to 16-Jul-20.
6. International online Faculty Development programme on recent advanced research in chemistry, C. Abdul hakeem college of engineering and technology, Ranipet, 15-Jul-20 to 19-Jul-20.
7. One week Online Faculty Development programme on Advanced Topics in Chemical Sciences, NGM College, Pollachi, 15-May-20 to 21-May-20.
8. Online Faculty Development programme on Recent Innovations in Herbal Cosmetics, NGM College, Pollachi, 12-May-20.
9. Online Faculty Development programme on Quality Initiatives In Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, Sri Ramakrishna College of Arts and Science, Coimbatore, Gobi Arts & Science College, Gobichettipalayam, Vellalar College for Women, Erode, April 13-20, 2020.
10. Online Faculty Development programme on Outcome Based education, InPods Ed-Tech, 29-Apr-20.
11. Online One week FDP programme on Quality Initiatives in Higher Education, Consortium of Colleges, 13-Apr-20 to 20-Apr-20
12. NAAC Revised Accreditation Framework and OBE Assessment Methodology, Dr. N.G.P. Arts and Science College, Coimbatore, 27-May-19 to 2-Jun-19.

Conference / Seminar / Workshop Organized

1. **Organizing Secretary**, Workshop on “Radiochemistry”, Department of Chemistry, Karpagam Academy of Higher education, Coimbatore in association with Indian Association of Nuclear Chemists and Allied Scientists, IGCAR, Kalpakkam, 14 & 15-Dec-2017.
2. Served as a **Red Ribbon Club Co-ordinator** in Karpagam Academy of Higher education, Coimbatore, From September 2018 to June 2019. On behalf of RRC, I conducted Three Programmes On World Aids Day, World Cancer day and Awareness Campaign.

Invited Speaker / Session Chair / Member Organizing Committee - Conference / Seminar / Workshop

1. Guest Speaker - Naan Mudhalvan Career Guidance Programme – Government Higher Secondary School, Kalapatti, 06-Jan-23.

Member in BoS

Board of Chemistry, Dr. N. G. P. Arts and Science College (Autonomous), Coimbatore, June 2020 - Till date.