

Name : Dr. M. SUGANTHI

Designation : Associate Professor

Department : Chemistry

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

Experience : Teaching: 11 Years Industry: - Research: 10

Area of Specialization(s) : Co-ordination complexes, Bio-inorganic chemistry

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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Chemistry	The Gandhigram Rural Institute – Deemed to be University, Gandhigram	2017
M.Phil.,	Chemistry	Bharathidasan University, Trichy.	2007
M.Sc.,	Chemistry	Maharaja College for Women, Perundurai, Bharathiar University	2000
B.Sc.,	Chemistry	A.P.A. College for Women, Palani, Madurai Kamaraj University	1998

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
PGDCA	Computer Application	Bharathiar University	2001

Research Publications (Indexed)

International

1. **M. Suganthi** and K.P .Elango. *J. Photochem. Photobiol. B*, 166, 126-135, 2017. Synthesis, characterization and serum albumin binding studies of vitamin derivatives. (*Impact factor: 6.814*). (Indexed in Scopus)
2. **M. Suganthi** and K.P.Elango, *Phys. Chem. Liquids*, 55(2), 165-178, 2017. Binding of organophosphate insecticides with serum albumin: multispectroscopic and molecular modeling investigations. (*Impact factor: 3.5*). (Indexed in Scopus)
3. **M. Suganthi** and K.P.Elango, *Phys. Chem. Liquids*, 56(3), 299-310, 2018.Spectroscopic studies on in vitro binding of cefixime and tolcapone drugs with serum albumin. (*Impact factor: 3.5*). (Indexed in Scopus)
4. **M. Suganthi** and K. P. Elango, *J. Biomol.Struct.Dyn.* 37 (5), 1136-1145, 2019.Spectroscopic and molecular docking studies on the albumin-binding properties of metal (II) complexes of Mannich base derived from lawsone. (*Impact factor: 5.235*) (Indexed in Scopus)
5. **M. Suganthi**, K. Vimala Devi, N. Gayathri and K. Poonkodi, *J. Essent.Oil-Bear.Plants*. 22 (4), 1013 – 1021, 2019.Essential Oil Composition and Biological Activities of Aegle marmelos (L.) Correa Grown in Western Ghats Region-South India. (*Impact factor: 2.4*) (Indexed in Scopus and web of science)
6. **M.Suganthi**, M.Karthigai priya, K.Poonkodi, K. Vimala Devi, V.Anitha, R.Chitradevi and E.Jayanthi, *Rasayan J. Chem.* 15(4), 2366-2372, 2022. *Chemical Profile and In-Vitro Biological Activities of Eupatorium adenophorum spreng.* (*Impact factor:1.303*) (Indexed in Scopus)
7. **M. Suganthi** and K.P.Elango, *J. Indian Chem. Soc.*, 95(9), 1097-1106, 2018Spectroscopic and thermodynamic studies on the interaction of atorvastatin and clomiphene drugs with bovine serum albumin in aqueous buffer. (*Impact factor: 1.3*) (Indexed in Scopus and web of science)

National

1. **M. Suganthi**, A. Divya, A. Logamadevi and K. Poonkodi, *Res. J. Chem. Environ.* 24 (9), 16-21, 2020. In vitro Anticancer and Antioxidant potential of Essential oil of Zingiber zerumet(L).Simth grown in Western Ghats Region-South India. (*Impact factor: 0.250*)

Book Publications

Multidisciplinary Approach to Chemical Research, M.Suganthi, 1st Edition, Kongunadu Arts and Science College, Coimbatore, March 2023, ISBN: 978-93-5773-811-8.

Presentations in Conference

1. **Synthesis and Characterisation of Cyclohexane on Antimicrobial and Anticancer Activity**, Indian Council of Social Science Research (**ICSSR**) Sponsored two days National Level Conference on Novel Materials for Harnessing Green Hydrogen for Energy and Environment Applications-A step forward towards national hydrogen mission, PG Department of Chemistry, NGM College, Pollachi, 23-24. March 2023.
2. ***Investigation of Phytochemical Constituents of Hans-A Smokeless Chewing Tobacco Methanol Extract***, Advanced Materials for Energy, Environment and Medicinal Applications, NGM College, Pollachi, 11-12 July 2019.
3. ***Binding of organophosphate insecticides with serum albumin: multispectroscopic and molecular modeling investigations***, National Symposium on Recent Developments in Chemistry (**RDC-2016**) School of Chemistry, Madurai Kamaraj University, Madurai, 4 June 2016.
4. ***Spectroscopic and thermodynamic studies on the interaction of atorvastatin and clomiphene drugs with bovine serum albumin in aqueous buffer***, International Conference on Advances in Micro/nanotechnologies for Biological Applications (**ICAMB-2015**), PSG Institute of Advanced Studies, Coimbatore, 7-8 August 2015.

Participation in Conference

International

1. International Conference on Recent Advances in Materials and Chemical Sciences (ICRAMCS-2015), Gandhigram rural Institute-Deemed to be University, Gandhigram, 14-15 December 2015.
2. International Conference on Advances in Micro/nanotechnologies for Biological Applications (ICAMB-2015), PSG Institute of Advanced Studies, Coimbatore, 7-8 August 2015.

Participation in Seminars

1. CSIR sponsored Two day National Level seminar on Advancements in water Technology for sustainable Development (AdWATS-2022), Department of Science and Humanities, Dr. N. G. P. Institute of Technology, Coimbatore, 23-24. June. 2022.
2. One day National Seminar on “Current Scenario in Radiation Biology under DBT-Star College Scheme, Vellalar College for women, Erode, 7 August 2019.
3. One day Seminar on Online Resources and Tools for Research, Gandhigram rural Institute-DU, Gandhigram, 14 November 2016.
4. Orientation and Retraining of Teachers, A. P. A. College for Women, Palani, 2 February 2013.
5. One day National Level Seminar on Recent Developments in Spectroscopic Techniques and its Applications (NSSA-2012) , Kongunadu arts and science college, Coimbatore, 16 March 2012.

Participation in Workshop

1. DST- CURIE Sponsored Workshop on X-ray Crystallography, Avinashilingam Institute for Home Science and Higher Education for Women, (Dept. of Chemistry) Coimbatore, 11 Feb 2020.
2. Two days International Workshop on Preparing Quality Research Writing and Improving Research Impact under Central Library in Collaboration with Digital Information

Research Foundation (DIRF) Ilford, UK and Chennai, India, Vellalar College for Women, Erode, 3-4 January 2020.

3. Fundamentals and Applications of Catalysis, Gandhigram rural Institute-DU, Gandhigram, 17 October 2015.
4. Science Academies sponsored Workshop on Recent Trends in Chemistry, Mother Teresa Women's University, Kodaikanal, 4-6 April 2014.

Participation in Orientation Programme / Short Term Courses

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Participation in Faculty Development Programme

1. Three days Faculty Development Programme on Emotional Intelligence, ICT Academy, Dr. N.G.P. Arts and Science College, Coimbatore, 15-17 December 2022.
2. National One Week Faculty Development Programme on ICT Tools for Effective Teaching and Learning, Amar Sewa Mandal's Kamala Nehru Mahavidyalaya, Nagpur, Maharashtra, 23-28 May 2022.
3. FDP on **“Computational Approaches for Experimental Chemists-2022”**
organized by the division of Chemistry, School of Advanced Sciences, Vellore Institute of Technology Chennai on 17th & 18th of March, 2022.
4. Entrepreneurship, SCAS for Women, Oddanchatram in collaboration with Mother Teresa Women's University, Kodaikanal, 17-21 February 2014.
5. Strategies in learning and Teaching, Adithya Institute of Technology, Coimbatore, 29 July 2011.

Conference / Seminar / Workshop Organized

1. Convener, International Conference on Translational Research Towards Attaining Good health and Wellbeing for Sustainable Development Dr.N.G.P.Arts and Science College, Coimbatore, 09-Mar-2024.
2. Convener, National Seminar on Novel Materials for Sustainable Energy Resources and Radiation (NSERM'24), Dr.N.G.P.Arts and Science College, Coimbatore, 29-Feb-2024.
3. Convener, National Conference on Emerging Trends in Physical Sciences and Mathematics (ETPSM'23), Dr.N.G.P.Arts and Science College, Coimbatore, 12-Apr-2023.
4. Convener, state level seminar on Corrosion Management in daily life CMD-17, Sakthi College, Oddanchatram, 18- Aug- 2017.
5. Convener, National level seminar on Fluoride toxicity and electro Chemistry, Sakthi College, Oddanchatram, 28.09.2013.
6. Co-coordinator, Guest lecture on Spectroscopy in Chemistry, Sakthi College, Oddanchatram, 20. 09. 2012.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

1. Chief Guest, Intercollege meet Math Fest 2024, Department of mathematics, Dr.N.G.P.Arts and Science College, 01- Feb-2024
2. Served as a judge for science exhibition at Airforce school, Coimbatore, 13- Oct- 2023
3. Session Chair, Indian Council of Social Science Research (ICSSR) Sponsored two days national level Conference on Novel materials for harnessing green hydrogen for energy and environment applications-A step forward towards National Hydrogen mission, NGM College, Pollachi, 23- 24- Mar-2023.
4. Chief Guest, Inaugurate Science Club, Department of Science, Dr.N.G.P. college of Education. Coimbatore, 25-Nov-2022.
5. Resource person, Techknowfest'2018, PSNA College of engineering and technology, Dindigul, 24-Jan- 2018.

6. Resource person, State Level Workshop on Application of Domination Graph and Fuzzy Graph, Department of Mathematics, Sakthi College, Oddanchatram, 28-Sep-2017.