

Name : Dr.M.Suganthi
Designation : Assistant Professor
Department : Chemistry
Qualification : M.Sc., M.Phil.,Ph.D.
Experience : Teaching: 7.10 Years Industry: Nil Research:7 years
Area of Specialization(s) : **Coordination and bioinorganic 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, Coimbatore	2000
B. Sc	Chemistry	A.P.A. College for Women, Palani. Madurai Kamaraj University, Madurai	1998

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
PGDCA	-	Bharathiar University, Coimbatore	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.
(ISSNNo:1011-1344) (*IF*: 4.067).

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. (ISSN No:1029-0451) (*IF: 1.526*).
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. (ISSN No:1029-0451) (*IF: 1.526*).
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. (ISSN No: 1538-0254) (*IF: 3.310*)
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. (ISSN No: 0972-060X(Print)0976-5026(Online) (*IF: 0.680*))

National

1. **M. Suganthi** and K.P.Elango, *J. Indian Chem. Soc.*, 95(9), 1097-1106, 2018.
Spectroscopic and thermodynamic studies on the interaction of atorvastatin and clomiphene drugs with bovine serum albumin in aqueous buffer. (ISSN No:0019-4522) (*IF: 0.158*).

Presentations in Conference

1. **“Investigation of Phytochemical Constituents of Hans-A Smokeless Chewing Tobacco Methanol Extract”** in the Advanced Materials for Energy, Environment and Medicinal Applications held at NGM College, Pollachi and Tamil Nadu on 11-12 July, 2019.
2. **“Binding of organophosphate insecticides with serum albumin: multispectroscopic and molecular modeling investigations”** in the National Symposium on Recent Developments in Chemistry (RDC-2016) held at School of Chemistry, Madurai Kamaraj University, Madurai, and Tamil Nadu on 4th June 2016.
3. **“Spectroscopic and thermodynamic studies on the interaction of atorvastatin and clomiphene drugs with bovine serum albumin in aqueous buffer”** in the International Conference on Advances in Micro/nanotechnologies for Biological Applications (ICAMB-2015) held at PSG Institute of Advanced Studies, Coimbatore, Tamil Nadu on 7-8 August, 2015.

Participation in Conference

International

- **“International Conference on Recent Advances in Materials and Chemical Sciences (ICRAMCS-2015)”** held at Gandhigram rural Institute-DU, Gandhigram, Tamil Nadu on 14-15 December 2015.

National

- Participated in the **Two day National Conference on “Recent Trends in Basic and Applied Sciences (NCRTBAS 2020)”** Organized by Faculty of Basic and Applied Sciences held at Dr. N. G. P. Arts and Science College, Coimbatore, Tamil Nadu on March 02-03.2020.
- Participated in the National Conference on **“Emerging Trends in Exploring Phytochemicals and Biomolecules for Disease Cure”** held at Rev.Jacob Memorial Christian College on 6th February 2018.
- Participated in the **“National Conference on Recent Advances in Chemical Sciences (RACS-2015)”** held at Gandhigram rural Institute-DU, Gandhigram on 5-6 March, 2015.

Participation in Seminars

- Participated in the **One day National Seminar on “Current Scenario in Radiation Biology”** under DBT- Star College Scheme held at Vellalar College for women, Erode, Tamil Nadu on 7th August 2019.
- Participated in the National Conference on **“Emerging Trends in Exploring Phytochemicals and Biomolecules for Disease Cure”** held at Rev.Jacob Memorial Christian College on 6th February 2018.
- Participated in the **“One day Seminar on Online Resources and Tools for Research”** held at Gandhigram rural Institute-DU, Gandhigram on 14th November 2016.
- Participated in the **“One day National Level Seminar on Recent Developments in Spectroscopic Techniques and its Applications (NSSA-2012)”** held at Kongunadu arts and science college, Coimbatore on 16th March 2012.

Participation in Workshop

- **DST- CURIE Sponsored Workshop on “X-ray Crystallography”** held at Avinashilingam Institute for Home Science and Higher Education for Women, (Dept.of Chemistry) Coimbatore, Tamil Nadu on 11.02.2020
- **Two day 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 held at Vellalar College for Women, Erode, Tamil Nadu on 3-4 January, 2020.

- **“Fundamentals and Applications of Catalysis”** held at Gandhigram rural Institute-DU, Gandhigram on 17th October, 2015.
- Participated in the Science Academies sponsored Workshop on **“Recent Trends in Chemistry”** held at Mother Teresa Women’s University, Kodaikanal on 4-6 April, 2014.

Participation in Orientation Programme / Short Term Courses

- **Certificated course on “Analytical and Phytochemical Techniques”** held at Bharat Ratna CNR RAO Research centre, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu on 26-30 November, 2019.
- Participated in the **“Orientation and Retraining of Teachers”** held at A. P. A. College for Women, Palani on 2nd February, 2013.

Participation in Faculty Development Programme

- Faculty Development Programme on **“Entrepreneurship”** held at SCAS for Women, Oddanchatram in collaboration with Mother Teresa Women’s University, Kodaikanal on 17-21 February, 2014.
- Faculty Development Programme on **“Strategies in learning and Teaching”** held at Adithya Institute of Technology, Coimbatore on 29th July, 2011

Conference / Seminar / Workshop Organized

- ✓ Organized a Guest lecture on **“Spectroscopy in Chemistry”** on 20. 09. 2012 at Sakthi College, Oddanchatram.
- ✓ Organized a National level seminar on **“Fluoride toxicity and electro Chemistry”** on 28.09.2013 at Sakthi College, sponsored by Sakthi Management, Oddanchatram.
- ✓ Organized a state level seminar on **“Corrosion Management in daily life”** CMD-17 on 18.08. 2017 at Sakthi College, sponsored by Sakthi Management, Oddanchatram.

Organizing Member

- ✓ Tamil Nadu 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.