

STAFF PROFILE

Name : **Dr. S.SUGANYA**
Position : **Associate Professor**
Department : **Physics**
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Education

Degree : **Ph.D.,**
University : **Periyar University**
Year of Graduation : **2017**
Degree : **M.Phil.,**
University : **Bharathidasan University**
Year of Graduation : **2003**
Degree : **M.Sc.,**
University : **Bharathidasan University**
Year of Graduation : **2001**

PROFESSIONAL EXPERIENCE

S.No	DURATION	DESIGNATION	UNIVERSITY/COLLEGE
1.	24.09.2003 to 10.10.2008	LECTURER	DEPT.OF PHYSICS , NEHRU MEMORIAL COLLEGE, PUTHANAMPATTI
2.	13.10.2008 to 13.10.2021	ASSISTANT PROFESSOR	DEPT.OF PHYSICS, N.K.R. GOVT. ARTS COLLEGE FOR WOMEN, NAMAKKAL
3.	14.10.2021 to Till Date	ASSOCIATE PROFESSOR	DEPT.OF PHYSICS, N.K.R. GOVT. ARTS COLLEGE FOR WOMEN, NAMAKKAL

RESEARCH INTEREST: SPECTROSCOPY

LIST OF PUBLICATIONS

INTERNATIONAL

1. Molecular structure, vibrational spectra, HOMO, LUMO and NMR studies of 2,3,4,5,6–PentaBromoToluene and BromoDurene based on density functional calculations, SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy 125 (2014) 201–210.
2. FT-IR and FT-Raman spectra, first-order Hyperpolarizability, HOMO, LUMO and NMR analysis of salicylosalicylic acid based on density functional calculations, International Journal of Current Research and Academic Review, Vol.3, No.8 (2015) 208- 228.
3. Density Functional Theory Investigations on molecular Structure, HOMO, LUMO, NMR, NLO and Vibrational Spectra of N, N'-dibenzoylhydrazine, International Journal of Innovative Research in Science, Engineering and Technology, Vol.4, No.10 (2015) 197- 214.
4. Experimental and theoretical studies of methyl 1-(2-chloroacetyl)-4-hydroxy-2,6-diphenyl-1,2,5,6-tetrahydropyridine-3-carboxylate: Insights from synthesis, spectroscopic, crystal structure, Hirshfeld surface, DFT, ELF, RDG, IRI, ADMET and docking studies, Journal of Molecular Structure, Volume 1306 (2024), 137827

CONFERENCES/SEMINARS

INTERNATIONAL/NATIONAL

- ❖ Participated in International Symposium On Recent Trends In Macromolecular Structure And Function organized by University Of Madras, Guindy Campus, Chennai-25 in 2010.
- ❖ Participated in National Conference on Recent Trends in Materials Science organized by Vivekanandha College of Arts and Science for Women, Tiruchengode, Namakkal in 2015.
- ❖ Participated in One Day National Level Seminar on Green Chemistry in Organic Synthesis organized by NKR Govt. Arts College for Women, Namakkal in 2016.
- ❖ Participated in National Conference on Recent Trends in Materials Science organized by Thiruvalluvar Govt. Arts College ,Rasipuram in 2017.
- ❖ Participated in Faculty development programe organized by American University of India, Kodaikanal in 2017.
- ❖ Participated in One Day International Workshop on Basic Statistical Tools in SPSS organized by NKR Govt. Arts College for Women, Namakkal in 2017.
- ❖ Participated in National Conference on Nanomaterials organized by Arignar Anna Govt. Arts College ,Namakkal in 2017.
- ❖ Participated in UGC DST TNSCST Sponsored National Workshop On Peer Review Publications UGC DST TNSCST organized by Annamalai University, Annamalaiagar, Chidambaram in 2017.
- ❖ Participated in National Conference on Recent Trends in Advanced Material Science organized by Selvamm Arts and Science College(Autonomous), Namakkal in 2018.
- ❖ Participated in International Seminar on Current Trends and Technologies organized by NKR Govt. Arts College for Women, Namakkal in 2018.
- ❖ Participated in National conference on recent advances in material science and application organized by Selvam Arts and science college, Namakkal in 2019.

- ❖ Participated in International conference on functional Materials for Bioenergy, Green Technology and Environmental sustainability organized by Trinity College, Namakkal in 2019.
- ❖ Participated in National seminar on advanced material and research innovations organized by Government Arts College (Autonomous), Salem– 7 in 2020.
- ❖ Participated in National Seminar on Emerging Technologies in Material science organized by NKR Govt. Arts College for Women ,Namakkal in 2020.
- ❖ Participated in the Three Day National Webinar organized by Indian Association of Physics Teachers(IAPT, RC - 19) 2021.
- ❖ Participated in National Webinar organized by Tirumala Engineering College, Andhra Pradesh in 2021.
- ❖ Participated in the International Webinar organized by Government Arts College for Women (Autonomous), Pudukkottai in 2022.
- ❖ Participated in the National Webinar Organized by C.Kandaswami Naidu College for Men, Chennai in 2022.
- ❖ Participated in the workshop organized by the Internal Quality Assurance Cell (IQAC) of N.K.R. Government Arts College for Women, Namakkal in 2023.

Papers Presented in Seminars/ Conferences

National/ International

- Presented a Paper in Recent Advancements in Material Science organized by NKR Govt. Arts College for Women, Namakkal in 2012.
- Presented a Paper in National Conference on Recent Trends in Materials Science organized by Vivekanandha College of Arts and Science for Women ,Tiruchengode, Namakkal in 2013.
- Presented a Paper in One Day National Level Seminar on Green Chemistry in Organic Synthesis organized by NKR Govt. Arts College for Women, Namakkal in 2016.
- Presented a Paper in National conference on Recent advances in Physics organized by NKR Govt. Arts College for Women ,Namakkal in 2017.

- Presented a Paper in National Conference on Recent Trends in Advanced Material Science organized by Selvamm Arts and Science College(Autonomous), Namakkal in 2018.
- Presented a Paper in National conference on recent advances in material science and application organized by Selvam Arts and science college, Namakkal in 2019.
- Presented a Paper in International conference on functional Materials for Bioenergy, Green Technology and Environmental sustainability organized by Trinity College, Namakkal in 2019.
- Presented a Paper in National seminar on advanced material and research innovations organized by Government Arts College (Autonomous), Salem- 7
- in 2020.
- Presented a Paper in National Seminar on Emerging Technologies in Material science organized by NKR Govt. Arts College for Women ,Namakkal in 2020.

AWARDS AND HONORS:

1. Dr.APJ.ABDUL KALAM Award for Scientific Excellence-2019, MARIANA LABS RESEARCH AND DEVELOPMENT
2. PERASIRIYAR KALAIMANI AWARD-2019. The Contribution of Teacher in Social Development by Kaviyarasar Kalai Tamil Sangam(Govt.Reg.No:165/2009)

COURSES TAUGHT: 1. B.Sc., PHYSICS

2 .M.Sc., PHYSICS

PROFESSIONAL MEMBERSHIPS: Member of Board of Studies in Department of Physics –
Nehru Memorial College, Puthanampatti.

CONTACT INFORMATION

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