



Dr Chithra P G

Associate Professor of Chemistry

ADDRESS & EMAIL

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QUALIFICATION

MSc, MPhil, Ph.D

DATE OF JOINING

11.03.1997

EXPERIENCE IN YEARS

23 years

AREA OF SPECIALIZATION

Physical Chemistry

ADMINISTRATIVE DISTINCTION

- Research Committee Coordinator(2020-21)
- International Webinar series Coordinator 2020July
- PG Admission committee covenor (2020-21)
- Library Advisory Committee member (2015-20)
- SAAC Committee member (2020-21)
- Encon club member (2019-2021)

PAPER PRESENTATIONS

- Supra and nano chemistry of bio active molecules 2019
- Recent trends in Supramolecular Chemistry
- Recent trends in Bio-Nano Photonics
- Recent Research and Developments in Chemistry
- National seminar on Emerging trends and new vistas in chemistry
- Green Chemistry-Environmental and Economic Benefits
- Green Approaches towards chemical synthesis
- Frontline Approaches in Material Science and Computational Chemistry
- Frontline approaches in Material science and Computational Chemistry
- Emerging trends in Materials Science
- Emerging Frontiers and Challenges in Chemistry

PARTICIPATION IN SEMINARS/ CONFERENCES/ WORKSHOPS

- Workshop on Practicals in Chemistry
- Theory and Applications of Fourier Transform Spectroscopy in Chemistry
- Semesterization of the UG Programme under Choice based credit and semester system
- Science Academies Lecture Workshop
- Regional workshop on Computer Applications in Chemistry
- Project oriented workshop in Chemistry
- Practicals in Chemistry
- National workshop on applications of computational chemistry in spectroscopy
- Lecture on Computational Chemistry
- G CHEM Paint training online seminar
- College level Training Programme in General Informatics
- Catalysis for Green Chemistry
- Advanced Polymer Materials

PUBLICATIONS IN BOOKS OR JOURNALS

- Research Perspectives in Chemistry- Chapter publishing, National.
- Synthesis, Characterization and Application of Sn(IV) Phosphorous acid in the nano form
- Synthesis Characterization and Application of nanodimensional silver tungstate
- Synthesis and characterization of Sn(IV) phenyl phosphonate in the nano form
- Studies on the effect of Montmorillonite clay in combination with Graphene oxide on the properties of chitosan
- Proton transport properties of tin phosphate, chromotropic acid anchored onto tin phosphate and tin phenyl phosphonate
- Parachlorophenol anchored tin antimonate- An Inorgano Organic ion exchanger for the separation of heavy metals like Bi(III) and Cu (II)
- Optical Electrical and Structural studies of nickel-cobalt oxide nanoparticles
- O-Chlorophenol anchored tin antimonate- An ion exchanger for the separation of heavy metals
- Green synthesis Characterization and Cyclic voltammetric studies of nano Zinc oxide
- Graphene oxide supported palladium nanoparticle as an electrochemical sensor for epinephrine
- Catalytic activity of $[\text{Cu}(\text{NH}_3)_4]^{2+}$ sorbed on an inorgano organic ion exchanger -tin(IV) phenyl phosphonate
- Analysis of Effluents discharged to Ashtamudi Lake from China clay Industries.
- An Electrochemical sensor based on Electrodeposited CTAB Film on Glassy Carbon electrode for detection of Morphine

- A novel voltammetric sensor for morphine detection based on electrochemically synthesized poly (P-amino benzene sulfonic acid)/reduced graphene oxide composite
- A comparative study of catalytic activity of tin phosphate and tin phenyl phosphonate
- A comparative study of bronsted acidity of tin phosphate and chromotropic acid anchored tin phosphate
- $[\text{Cu}(\text{NH}_3)_4]^{2+}$ SnP as a catalyst

MEMBERSHIP IN PROFESSIONAL BODIES

- Executive member, ACT.

RESEARCH OUTPUT

- Approved Research Guide, University of Kerala
- No of PhD produced - 2

CITATIONS AND INDEXING, IF ANY

JOURNAL CITATIONS and INDEXING (h-INDEX)

Scopus ID-23569227200 <https://www.scopus.com/authid/detail.uri?authorId=23569227200>