

FACULTY PROFILE

Name : **Dr. A.SHALINI**
Qualification : M.Sc. M.Phil., Ph.D.
Designation : Assistant Professor
Dept. of Chemistry
Years of Experience : **UG** : 11 years 5months
Email Id : shaluchem28@gmail.com

Areas of Specialization : Polymer nanocomposites and inorganic chemistry

Publications

1. **A. Shalini** ,R. Nishanthi, P.Palani, V. Jaisankar, One pot synthesis, characterization of polyaniline and cellulose/polyaniline nanocomposites: application towards in vitro measurements of antibacterial activity, Materials today :Proceedings 3(2016)1633-1642, ISSN: 2214-7853,2016.
2. **A.Shalini**, K.Pandian and V.Jaisankar ,Synthesis, Characterization of Polyaniline and Polyaniline encapsulated Cellulose isolated from sugarcane bagasse and its study on Electronic Properties" DJ Journal of Engineering Chemistry and Fuel Volume 2(1) ,PP 61-66 , ISSN: 2455-5193,2017.
3. **A.Shalini**, P.Paulraj, K.Pandian G. Anbazhagan, V.Jaisankar , Single Pot Synthesis, characterization of PPY @C Composite modified electrode for the electrocatalytic determination of Ascorbic acid in commercial fruit samples. Surfaces and Interfaces (Elsevier), 17(2019) 100386, ISSN: 2468-0230,2019 .
4. U.Boominathan,**A.Shalini**, R.Sabarish and K.Priya,Screening PGPR for improving seed germination ,seedling growth and yield of maize(Zee mays 1.)Studies in Indian place names ,40(20) ,425-430,ISSN :2394-3114,2020.

5. **A.Shalini**, P.Paulraj, K.Pandian and V.Jaisankar ,Synthesis and Characterisation of Graphene Oxide Coated Au Nano Particles and the Study of its Application on Electro Catalytic Activity of Nitric Oxide, 3,1- 4, **ISSN: 2002-4428**, 2019.
6. **Dr.A.Shalini**, Dr.S.Kothai and Dr.V.Jaisankar “*Review* Graphene Deposited conducting polymers: synthesis and sensing applications. International Journal of Current Research and Academic Review. 9(09):94-103,**ISSN: 2347-3215** ,2021.
7. **Dr A.Shalini**, K.Priya,K.Pandian,G.Anbalagan ,S.Kothai and Dr.V.Jaisankar “Synthesis and characterization of grapheme oxide decorated gold nano particles and their application towards antibacterial activity ,Journal of Chemical Papers ,Springer **ISSN :03666352** ,2022.

Presentations

1. Presented a Paper (oral presentation) on “Synthesis, of Graphene oxide modified Polyaniline and its Electrochemical Application for Detection of nitric Oxide ”, 3rd International Conference on Recent Trends in Analytical Chemistry (ICORTAC- 2023) organized by the Department of Analytical Chemistry, University of Madras, Guindy Campus, Chennai, On 26th, 28th, June, 2023.
2. Presented a paper in “Preparation and Properties of Polyaniline Protected Hemp nanocomposite” International conference on Impact of Nanotechnology on Health and Environment (ICINHE-2018), held during 26-27 Feb 2018 at Quaid-e-millath Government College for women, Chennai -600002. Tamil Nadu.
3. Presented a paper in “Synthesis and Characterisation of Graphene Oxide Coated Au Nano Particles and the Study of its Application on Electro Catalytic Activity of Nitric Oxide” International Conference on Material and Spectroscopy (ICMS-2018”) held at Saveetha Engineering College, Chennai- 602105 on 11th -12th December 2018.
4. Presented a paper in “Synthesis, Characterization of Polyaniline and Polyaniline encapsulated Cellulose isolated from sugarcane bagasse and its study on Electronic Properties”,National Conference on Applied Spectroscopy(NCAS-2016) at Vel’s University,Chennai -600117.
5. Presented a paper in “Synthesis and characterisation of polyaniline protected cellulose nanocomposite and study of its application on electrocatalytic oxidation of Ascorbic acid”, National Conference On Advanced Materials (NCAM-2016) ,at SSN engineering college , Chennai.
6. Presented a paper in “ Synthesis and characterisation of polypyrrole protected cellulose nano

composites for the electrochemical sensor application” National Seminar On Recent Trends in Nano bio sensors, (NBS-2018),held during 22- 23Feb.2018 at University of Madras , Chennai-600025.Tamil Nadu.

7. Presented a paper in “One pot synthesis, characterization of polyaniline and cellulose/polyaniline nanocomposites: application toward in vitro measurements of antibacterial activity” International conference on Recent Sciences in Nano Science and Nano Technology(RAINSAT-2015),Chennai - 600 119. Tamil Nadu, India.
8. Presented a paper in “Gold Nanoparticles Decorated Graphene Modified GCE For Electrochemical Determination of carbohydrate” ,International Society for Advancement of Electrochemical Science and Technology- 2010,14-15 Dec , Karaikudi -630 006, Tamilnadu, India.
9. Presented a paper in “Electrocatalytic Application Of Gold Nanoparticles Decorated Polyaniline Nanocomposite Film Modified Electrode” in National conference on Material Chemistry -2011 ,9-11th Feb ,Guru nanak college Chennai-42,Tamil nadu, INDIA.
10. Presented a paper in “ Low temperature growth of ZnO nanowhiskers Materials and Study the Influence of Surface Active Agent on Growth and Shape” in “NCNRCCR- 2011”,4th March ,SRM University.

Awards / Recognition

1. Best Poster presentation award in National Seminar On Recent Trends in Nano bio sensors, (NBS-2018) , held during 22-23Feb.2018 organised by department of Inorganic Chemistry University of Madras. Chennai -25.
2. Best paper presentation award in National Conference on New Renaissance in Chemical Research (NCNRCCR – 2011) held during 4th march 2011 organized by the Department of Chemistry, SRM University,Chennai-89