

BIODATA



Name : Dr Priya S

Designation : Assistant Professor

Department : Chemistry

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Academic Qualification: B.Ed, SET, NET, Ph.D

Experience:

- Teaching- 8 yrs of experience in UG and PG Chemistry
- Research- 5 years of experience at CSIR-CECRI (Ph.D), Completed two KSCSTE student project.

Area of Interest/ specialisation- Physical chemistry-Electrochemistry

Area of Research- Materials for health care application

Major/Minor Research Projects:Nil

Responsibilities Undertaken(Official)-

- NSS Programme officer of unit 66 on 2018,
- Kerala University Question paper setter,
- Chairman of scrutiny board –University of Kerala
- Invigilator for UG and PG exams of Calicut University
- Examiner for UG and PG Chemistry theory and practical examination of Calicut University.
- IQAC memeber

Seminars Organised/ Invited Lectures:

World Environment Day seminar sponsored by KSCSTE, 2017

International webinar on Gold Nanoclusters and solar cell applications

Publications in Journals (Numbers)(Title with page No, Journal, ISSN/ISBN No whether peer reviewed no. of co-authors):

1. S. Priya, Kaviyaran T, Palaniappan Arumugham and Sheela Berchmans “Nitric oxide releasing photoresponsive nano hybrids as excellent therapeutic agent for cervical cancer cell lines”, ACS Applied Materials and Interfaces, doi.org/10.1021/am402086m (Impact factor – 8) ISSN: 0003-2654 (print) 1364-5528 (web)

2. S. Priya, Kaviyarasan T, Sheela Berchmans “Naked eye detection of Nitric oxide release from nitrosothiols aided by gold nano particles”, *Analyst*, DOI:10.1039/C2AN16182F (impact factor - 4.3) ISSN- 0003-2654 (print) 1364-5528 (web)
3. S. Priya & Sheela Berchmans “Copper oxide-modified glassy carbon electrode prepared through copper hexacyanoferrate–G5-PAMAM dendrimer templates as electrocatalyst for carbohydrate and alcohol oxidation”, *J Solid State Electrochem*, DOI 10.1007/s10008-011-1537 (impact factor – 2.2) ISSN- 14328488, 14330768
4. S. Priya and Sheela Berchmans, “CuO Microspheres Modified Glassy Carbon Electrodes as Sensor Materials and Fuel Cell Catalysts”, *Journal of Electrochemical Society*, DOI: 10.1149/2.087204jes (impact factor - 2.3) ISSN- 0013-4651 (print) 1945-7111 (web)
5. S. Priya, R. Nithya and Sheela Berchmans, “S-nitrosothiol tethered polymer hexagons - synthesis, characterisation and antibacterial effect”, *Journal of material science materials for medicine*, DOI 10.1007/s10856-013-5032-0 (impact factor -2.3) ISSN- 15734838, 09574530.
6. Manu R and Priya S, Fabrication of flexible conducting thin films of copper-MWCNT from multi-component aqueous suspension by electrodeposition, *Journal of Solid State Electrochemistry*, (impact factor – 2.2) ISSN- 14328488, 14330768
7. R. Manu and S. Priya *Implication of electrodeposition parameters on the architecture behavior of MCNT - incorporated metal matrix*, *Applied Surface Science*, 284 ISSN: 1694332

Paper Presentations(Number)

1. Seminars Attended : International(No) - *Photodegradation of Methylene Blue Using Autoclave Modified Catalyst TiO₂ With Polyoxometalate* - Jincy J George, G.Pramod, Ambili V K, **Priya S**, Asha Bharathan, National Seminar on Emerging Trends in Nanomaterials Science and Technology at Dept. of chemistry S.N.G.S College Pattambi, 20 Dec 2017.
2. *Iron Promoted Sulphated Zirconia As Efficient Catalysts For Nitration Of Phenol*, Alisha P, SujaHaridas, Riya R, Ambili V K, **Priya S**, Asha Bharathan, National Seminar on Emerging Trends in Nanomaterials Science and Technology at Dept. of chemistry S.N.G.S College Pattambi, 20 Dec 2017.
3. *Synthesis, Characterization and Catalytic Activity of W and Zr Incorporated SBA15 Nanostructured Catalytic Materials*, DeepikaJanardhanan, V. K. Ambili *, **S Priya**, International Seminar on Advances in Photo Responsive Materials (APRM-2017) at Maharaja’s College, 14-15 Nov 2017.
- 4 *Spectrophotometric and Electrochemical Detection of Nitric Oxide Using Cyclodextrin Encapsulated Ferrocene* - Nimisha.V.N, **Priya.S**, Ambili.V.K, International Seminar on Advances in Photo Responsive Materials (APRM-2017) at Maharaja’s College, 14-15 Nov 2017.

5. **S. Priya** and SheelaBerchmans, Electrochemical synthesis of CuO microspheres for non-enzymatic sensing of glucose, Ninth international Symposium on Advances in electrochemical science and technology [ISAEST], Hotel Greenpark, Chennai.2011
6. **S.Priya** and SheelaBerchmans, spectrophotometric and electrochemical detection of Nitric oxide release from nitrosothiols using ferrocene encapsulated cyclodextrin.International symposium cum workshop on electrochemistry [ISEAC], Cidade de Goa, Goa 2012.
7. **S.Priya** and SheelaBerchmans, Three way probe for nitric oxide detection- colorimetric, voltammetric and fluorogenic. iSAEST-10, Hotel Greenpark, Chennai. 2013

National

1. Oneday workshop on electrochemistry of materials and bio-interfaces-2019, CSIR-CECRI
2. Three day national workshop on computing skills in chemistry, Dept of Chemistry, Govt. Victoria college Palakkad, 2017

