Name of the Teacher: Dr. Aiswarya Raj A. S.
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Academic Qualification

PG, MPhil, Ph.D

Area of Interest/Specialization

Nanostructured Materials

Teaching Experience (as on 31.03.2021) : One year Years

Details of Major or Minor Projects

Nil

Administrative / Official Responsibilities

Nil

Academic Positions

Nil

Awards and Accolades

Nil

Seminar / Conference organized

Nil

Training Courses attended

Nil

Seminar / Conference attended

1. Synthesis and Characterization of Nanocrystalline Crystalline Copper Oxide, XV National Seminar on Crystal Growth (with international participation), February 2011, PSN College of Engineering &Technology, Melathediyoor, Thirunelveli- 627152.
2. Synthesis and Characterization of Nanocrystalline Copper Oxide, Second International Conference on Nanomaterials- Synthesis, Characterization, and Applications, ICN-2012, Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Priyadharsini Hills, Kottayam.
3. Effect of Annealing and Li doping on the structure and optical absorption of nanocrystalline Copper Oxide, International Conference on Materials Science and Technology, ICMST, June 2012, Organised by St. Thomas College, Pala.
4. Effect of Annealing and Zn doping on the structure and optical absorption of nanocrystalline Copper Oxide, The India-Israel Meeting on Materials Science and Nanoscience (IIMMN 2013) January 2013, Centre for Nanoscience and Nanotechnology, MG University, Kottayam.
5. Synthesis and Characterization of Nanocrystalline Copper Oxide, Aiswarya Raj A and Biju V, National seminar on “Recent Advances in Nanoscience & Technology”, October 2009, Department of Physics, S N College, Kollam.
6. Formation of Cu2O surface layer in CuO nanoparticles studied using Raman Spectoscopy, National seminar on “Raman spectroscopy” organized by Dept. of Optoelectronics, University of Kerala, Kariavattom Campus.
7. DC Electrical conductivity of nanostructured MN3O4 synthesized through a novel sol- gel route, IOP Conference Seeries:Materials Sceince and Engineering 73 , 2015.

Social Media Links

https://youtube.com/user/asaiswarya

International Journal Publications

1. Nanostructured CuO: facile synthesis, optical absorption and defect dependent electrical conductivity; Materials Science in Semiconductor Processing, 2017, http://dx.doi.org/10.1016/j.mssp.2017.05.008.
2. Nanostructured CuO with antiferromagnetic core and weakly ferromagnetic shell, j of Solid State Chemistry, 2019, http://doi.org/10.1016/j.jssc.2019.120911
3. Defect dependent antioxidant activity of nanostructured NiO synthesized through a novel chemical method, Colloids and Surfaces A ,2013,http://dx.doi.org/10.1016/j.colsurfa.2013.03.055
4. Microstrain in nanostructured NiO studied using isotropic and anisotropic models, Physica B, 2013, http://dx.doi.org/10.1016/j.physb.2013.04.028

National Journal Publications

Nil

Book Chapter Publications

Nil

International Conference Publications

Nil

National Conference Publications

1. DC Electrical conductivity of nanostructured MN3O4 synthesized through a novel sol- gel route, IOP Conference Seeries:Materials Sceince and Engineering 73 , 2015

Workshops Attended

Nil

Other Publications

Nil

Other Relevant information

Nil

Additional Resources

Nil