

CURRICULUM VITAE

ANJALY JOSE

Assistant Professor

Department of Physics

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M.Sc. Physics from Cochin University in 2009

M. Phil. Physics from Cochin University in 2010

Doing PhD at Newman College, Thodupuzha

Joined Nirmala College, Muvattupuzha on February 14, 2019

Previously worked as Asst. Professor in Physics at Vimala College, Thrissur from 2011
June to 2019 February 13

Research Specialization: Nanomaterials

Teaching Interests: Classical Mechanics, Optics, Solid State Physics, Material Science

Membership in Academic bodies: APT

Teaching Experience : U G -8 years & P G- 7 years

Paper published :

1. Preparation and Characterization of Spray Pyrolysed ZnS Thin Films and the Effect of Chlorine Doping. **Anjaly Jose**, V. G. Rajeshmon, N. Poornima, C. Sudha Kartha and K.P.Vijayakumar AIP Conference Proceedings, Vol 1349, Issue 1, 707-708 (2011)
2. Composition and Conductivity-type Analysis of Spray Pyrolysed ZnS Thin Films Using Photoluminescence. Poornima N, **Anjaly Jose**, Sudha KARTHA, Vijayakumar K P , Energy Procedia, 15, 347-353 (2012).
3. Enhanced structural and optical properties of the polyaniline-calcium tungstate (PANI-CaWO₄) nanocomposite for electronics applications. N. Aloysius Sabu, Xavier Francis, **Jose Anjaly**, S. Sankararaman and Thomas Varghese. Impact factor-1.521 and ISSN Number 2190-5444.
4. Synthesis and characterization of iron cerium tungstate nanoparticles and their dielectric studies. **Anjaly Jose**, Aneesh George, Shinju Benny, H. Hitha, and Thomas Varghese. AIP Conference Proceedings 2082, 030001 (2019).
5. Soumya Kuriakose, Hitha H, **Anjaly Jose**, Mathew John, Thomas Varghese, Structural and optical characterization of lanthanum tungstate nanoparticles synthesized by chemical precipitation route and their photocatalytic activity, Optical Materials (Elsevier) (2019); <https://doi.org/10.1016/j.optmat.2019.109571>
6. H. Hitha, **Anjaly Jose**, Mathew John, Thomas Varghese, Structural and optical modification of NiWO₄ – Formation of NiWO₄/SnPc nanocomposite for improved photocatalytic activity, Materials Chemistry and Physics (Elsevier) 239 (2019) 122080; IF-2.781.
7. H. Hitha, **Anjaly Jose**, Thomas Varghese, Synthesis, characterization and photocatalytic activity of NiWO₄ nanoparticles, AIP Conference Proceedings 2082, 030017 (2019); <https://doi.org/10.1063/1.5093835>

Papers presented

1. Attended and presented a poster “An Investigation on Microwave Assisted Synthesis of CZTS Nanoparticle” at ICEEE2015 on February 2015 held at CUSAT.

2. Attended and presented a paper titled “preparation of copper sulfide nanoparticles by microwave synthesis method and its characterization” at National Workshop on Nanotechnology at KKTU Govt College, Pullut on 21-23 Nov 2016.
3. Attended and presented a paper titled “Synthesis and Characterisation of cerium tungstate nanoparticles”, frontiers of nanotechnology’ in UGC sponsored national seminar on August 09, 2017 at Marthoma College, Perumbavoor.
4. Attended and presented a paper entitled “Effect of Calcination temperature on the structural and optical properties of $Ce_2(WO_4)_3$ nanoparticles” in the international conference on Recent Advances in Materials Science and biophysics organized by Department of Physics, Mangalore university, Karnataka during 23-25 January 2018 .
5. Attended and Presented a poster named “Synthesis and characterisation of iron cerium tungstate nanoparticles and their dielectric studies” in the International Conference on Optoelectronic and NanoMaterials for Advanced Technology (ICONMAT 2019) during January 3-5, 2019.

Seminars/ Workshops attended

1. National seminar on new horizons of physics, organized by post graduate department of Physics and Research centre, St.Paul’s College Kalamassery August 26-27, 2011 in collaboration with E.C.S Student chapter, CUSAT, Sponsored by UGC
2. One day acquaintance programme of the IUAC new Delhi and the one day workshop on Computer Interfaced Science Experiments, a hands on training using expEYES on December 12 and 13 of 2011 respectively at St. Thomas College, Pala sponsored by IUAC, An autonomous research centre of the UGC.
3. National seminar on Conceptual foundations of quantum mechanics organized by Govt. College, Manimalakkunnu, Koothattukulam sponsored by Govt. of Kerala on 19 th and 20 th January 2012.
4. Faculty Development programme organized by Xavier Board of Higher Education at Vimala College on 16th March 2013.

5. Faculty development programme organized by Higher Education Council and IQAC of Newman college, Thodupuzha on 17 th and 18 th may 2013.
6. National seminar on 'Recent trends in thin film technology' at T M Jacob Memorial govt. college, manimalakkunnu on 27 and 28 of November 2014 sponsored by government of kerala.
7. Two day workshop on Lagangian Dynamics organized by APT, Kerala and hosted by Department of Physics, Vimala College, Thrissur during 27-28, June 2015.
8. National Seminar sponsored by NAAC on Curriculam designing and Academic Auditing organized by IQAC, Vimala College (Autonomous) on 10-11 August 2016.
9. Three day workshop on Electric and Magnetic Fields in Matter organized by the Academy of Physics Teachers (APT) and hosted by Department of Physics, Vimala College, Thrissur during 13-15, August 2016.
10. Three day workshop on Nanotechnology 'NWNT 2016' from December 21st to 23rd , November 2016 at KKTU Govt. College, Pullut, sponsored by Directorate of collegiate education, Thiruvananthapuram.
11. Introductory workshop on Nanofabrication technologies conducted on behalf of FLAIR program at the centre for Nano Science and Engineering, IISc, Bangalore from 17-20 January 2017.
12. KSCSTE Co-sponsored National Seminar on Recent Advancements in Photonics-NSAP-2017 held at Post Graduate and Research Department of Physics, Vimala College (Autonomous), Thrissur during 14-15, February 2017.
13. Three day workshop on Conceptual and Mathematical Structure of Quantum Mechanics organized by the Academy of Physics Teachers (APT) and hosted by Department of Physics, Vimala College, Thrissur during 12-14, August 2017.
14. Two day national seminar on the crystallography and powder X- Ray diffraction analysis, organized by Department of Physics, TMJ memorial government College, Manimalakkunnu on 25-26 November 2019.

Minor Project completed

UGC sanctioned 1.60 lakhs Rupees for the minor project “Preparation of thin films for solar cells using spin coating technique and its characterization” in the year 2013 and completed on march 2017

Orientation Course attended

Attended the orientation course at ASC Calicut from October 30 to November 26 of 2012.

Refresher Courses attended

1. Refresher course in Quantum Mechanics at S B College, Changanassery from May 1 to 14 of 2013.
2. Refresher course in materials sciences from July 12 to August 1 ,2017 at Academic Staff College, Kannur.