Mrs Asitha L R

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Designation

- Assistant Professor

Department

- Physics

Edu. Qualifications

- MSc, NET

Teaching

- 14 years in UG and PG

Research

- 2 years in Material Science at Department of Physics, University of Kerala
- 3 years in Material Science in Research and Post Graduate Department of Physics, S N College, Kollam

Scholarships/Fellowships Obtained

- UGC Joniour Research Fellowship(2009)

Extension Activities

- Member -Women's Studies Unit, Science Club, Health Education Club,
- Faculty advisor: CBCSS, WWS internal Mentor
- Coordinator: ISRO-IIRS Outreach Programme,Quiz Club, Equal Opportunity Cell

- General Coordinator, Club and extention activities, S N College, Punalur

- Coordinator, Equal Opportunity Cell S N College, Punalur

- Member, NIRF COMMITTEE, S N College, Punalur

Papers Published

- Synthesis, structural characterization and UV analysis Praseodymium Zirconate oxides.

  S. Srijith, V. T. Kavitha, L.R. Asitha
  *Bulletin of Pure and Applied Sciences. Vol.37 C (Chemistry), No.1, 2018: P.93-99 Print version ISSN 0970 4620 ,Online version ISSN 2320 320X, DOI 10.5958/2320-320X.2017.00001.2*

- Synthesis and optical bandgap study of Sm2Zr2O7 oxides

  S. Srijith, L. R. Asitha, L. R. Aparna and A. B. Amala Chandran , AIP Conference Proceedings 2021

- X-ray diffraction line profile analysis of Ce substituted Gd2Zr2O7 system (Gd2-xCex) Zr2O7 (x = 0,2)

  S. Srijith, L. R. Asitha, L. R. Aparna and A. B. Amala Chandran, AIP Conference Proceedings 2021

- Morphological modification of cobalt oxide nanoparticles using zinc and optical investigation

  L. R. Asitha, S. Srijith, L. R. Aparna, Amirtha Ghosh, G. Priyadarsini, S. B. Rakesh Chandran and A. B. Amala Chandran, AIP Conference Proceedings 2021

- Chemically precipitated cobalt oxide nanoparticles as an active material for the reduction of bacterial load in sewage water and its size dependent activity

  S. K. Subhash, L. R. Asitha, S. Srijith, L. R. Aparna, Archa B. Raj and J. Parvathy, AIP Conference Proceedings 2021.

- Structural and Electrical Characterization of Cobalt Oxide nanoparticles

S. Srijith, L. R. Asitha, R.S. Amritha and M Ridhun, SDC Journal of Theortical and Experimental research 01 (01),2023,07-15

## Orientation Courses Attended

- UGC-Sponsored Orientation Programme, 28 days from 03-06-2013 to 01-07-2013 (IT Oriented) , UGC-Human Resource Development Centre, Golden Jubilee Building, Kariavattom Campus, Thiruvananthapuram, Kerala

## Refresher Courses Attended

- Refresher Course in Nano Science held at Swami Anandatheertha Campus, Payyannur, Payyannur P.O. Edat, Pin. 670 327 by UGC-HRDC, Kannur University, 01/03/2017 to 21/03/2017

Short Term Course

- Short Term Course in Student Counselling & Mentoring for University/College teachers conducted by the UGC-Human Resource Development Centre, University of Kerala, sponsored by the University Grants Commission.
- Short Term Course in MOOCS, E-content Development & Open Educational Resources for University/College teachers conducted by the UGC-Human Resource Development Centre, University of Kerala, sponsored by the University Grants Commission.

Faculty Develpoment Programme

- One Week online Short term Faculty Development Programme on "Implementation of Information and Communication Technology in Teaching" organised by School of Legal Studies , Cochin University of Science and Technology in collaboration with The Kerala State Higher Education Council from July 18-24 , 2020.
- One week On-line Short-term Faculty Development Programme on "Pedagogical and E-Learning tools for teaching" organised by SD College, Alappuzha, in collaboration with The Kerala State Higher Education Council, from 04th August '20 to 10th August '20.
- One week On-line Short-term Faculty Development Programme on "VIRTUOSA 2020 – TRANSCENDING LOCKDOWN BARRIERS THROUGH ACADEMIC OUTREACH" from 12th August '20 to 18th August '20 organised by Kumbalathu Sankupillai Memorial Devaswom Board College, Sasthamcotta in collaboration with UGC-HRDC, University of Kerala, Thiruvananthapuram.
- One Week online Short term Faculty Development Programme on "ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies " organised by Department of Physics and IQAC Sree Narayana College Kollam in collaboration with The Kerala State Higher Education Council from August 17-23 , 2020.

- NEP Orientation- NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University GrantCommission, on(UGC) Organized by UGC – MMTTC, Sri Venkates wara University, Tirupati from 1 0 - 1 2 - 2 0 2 4 t o 1 9 - 1 2 - 2 0 2 4 .

Seminar

Organising Committee Member in

- National Seminar on Applications of Advanced Nano Materials, (NSNANO – 2014) by Department of Physics , SN College , Kollam, 25-26 February 2014.
- Seminar on "The need, perception and reality of nuclear power", on 13/03/2019 by ENCON Club, S N College, Kollam, in association with Department of Physics, S N College, Kollam
- Hands-on training on Solar Study Lamp Assembly, Student Solar Ambassador Workshop, 2nd October 2019, Department of Physics, S N College, Kollam in association with Dept of Energy Science and Engineering, IIT Bombay
- Ten day course titled "A Short Term Course in E-Teaching with Learning Management Systems" conducted by The All Kerala Private College Teachers' Association in June 2020.
- One Week online Short term Faculty Development Programme on "ICT Tools for Teaching Learning Process- Post Pandemic Educational Strategies " organised by Department of Physics and IQAC Sree Narayana College Kollam in collaboration with The Kerala State Higher Education Council from August 17-23 , 2020.
- National Seminar on Recent Trends in Space Physics organized by Department of Physics, University of Kerala, Kariavattom on 30th May 2011.
- National Seminar on Applications of Advanced Nano Materials, (NSNANO – 2014) by Department of Physics , SN College , Kollam, 25-26 February 2014.
- Seminar on Caring for all life under the sun, by Department of Chemistry , Biochemistry and Department of Physics, S N College, Kollam, in association with KSCSTE, 22 nd September 2017.
- Seminar on National Science day, Department of Physics, S N College, Kollam, in association with KSCSTE, 28 th February 2018.
- Zonal Training Programme (Workshop), Pg And Research Department Of Physics, Sn College, Kollam, in association with Makeintern & Becon, Career and Training Partner IIT Delhi, on 12th and 13th September 2018.
- Seminar on Recent Trends in Space Physics and Nanoscience, 04-03-2020 organized by Department of Physics, S N College, Kollam.
- Webinar on Beyond the classroom 27-29 May 2020, organized by Department of Physics, S N College, Kollam.

- National conference: Presented a paper in National Seminar on Modern Trends in Physics Research (NSMTPR-2024), on 16 & 17 December 2024

- Presented a paper in Three-Day Multidisciplinary International Seminar" titled "Integrative Approaches to Collaborative Thinking" (INTERACT 2025) took place from March 19-21, 2025 organized by Sree Narayana College, Sivagiri, Varkala

- Presented a paper in  Virtual International conference on Global Nexus 2025: Advancing Energy, Environment, Health, and AI for Sustainable Business and Technology took place from May 21st to 23rd, 2025 organised by Sree Ayyappa College, Eramallikkara.

Workshop

- Workshop on “8086 Microprocessor programming in Computer organized by the Department of Physics, S N College, Kollam held on 23rd August 2016.
- Workshop on “Programming in Python” organized by the Department of Physics and Mathematics, S.N. College, Kollam held on 23rd September 2016
- Two Day Online Workshop on “Creation of Instructional Videos and Recording” on 13 & 14 May 2020 organized by Internal Quality Assurance Cell, NSS College Pandalam.
- Orientation Program organized by IQAC S N College, Kollam on 27th MAY 2020.
- Two Days Training Program on "Material Characterization techniques" held at Sathyabama Institute of Science and Technology, Chennai during June 22 & 23, 2023.

- One-Day Workshop on Mentoring Colleges for DBT Star Scheme Application, scheduled on  March 12, 2025, at Sree Narayana College, Nattika, Thrissur.

Academic Responsibilities Undertaken
In University level

- Chairman Examination Borad
- UG- Sixth, Fourth and second semester BSc, Physics and Computer Applications(CR) March 2020
- PG – First Semester MSc Physics( Deputy Chairman, Kollam )
- Invigilation, Valuation, Question Paper Setting, Class In Charge
- BSc & MSc Project guide