



Sona G Krishnan

Assistant Professor

Department of Physics

ADDRESS & E-MAIL

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QUALIFICATION

M.Sc,B.Ed,M.Phil,NET

DATE OF JOINING

17/10/2012

EXPERIENCE IN YEARS

10.5yrs

AREA OF SPECIALIZATION

Nanomaterial Science

ADMINISTRATIVE DISTINCTION

- **UG and PG Admission Committee member**
- **College union election committee member**
- **NSS Programme Officer**

PAPER PRESENTATIONS

1. International Conference on ‘Physics of Materials & Nanotechnology-(ICPN-2019) held at Department of Physics, Mangalore University, Karnataka on 19-21 September 2019.
2. International conference on Energy and Environment (ICEE2K19), TKM college of Arts and Science,12-14 December 2019.
3. National Conference in Nanomaterials & Nanotechnology, Department of Physics, Mar ThomaCollege, Tiruvalla on 6-7August 2019.
4. National Conference in ‘Spectroscopic Technique-Present Scenario’organized by T K M M College, Nangiarkulangaraon 17-19 September 2015.

PARTICIPATION IN SEMINARS/ CONFERENCES/ WORKSHOPS

- International Conference on Energy and Environment(iCEE2k19) organized by TKM College of Arts and Science, Kollam during 12-14 December 2019.
- One day capacity building cluster workshop for Internal Mentors of Walk With a Scholar Programme in Government/Aided colleges, organized by the office of the New Initiative in Higher Education, on 11.01.2017 at Fatima Mata National College, Kollam.
- National Seminar on Interdisciplinary Approaches in Materials and Biological Research (IAMBR-2018)organized by Mahatma Gandhi College,Thiruvananthapuram during 16-17 February 2018.
- National nodal center conference organized by VALUE Virtual Labs at Amrita Vishwa Vidyapeetham University on 9th September 2015.
- One week online Faculty Development Programme on Towards a digital Era of Teaching organised by UGC-HRDC, University of Kerala, Thiruvananthapuram in collaboration with KSMDDB College, Sasthamcotta from August 12-18, 2020.
- Two Weeks Faculty Development Programme on "ADVANCED CONCEPTS FOR DEVELOPING MOOCS" from July 02 - July 17, 2020 organized by teaching learning center ,Ramanujan College, New Delhi.
- One Week National Workshop on Best Practices of ICT Tools in Teaching and Learning, from August 3, 2020 to August 8, 2020, organized by Department of Computer and Information Sciences, Jagadguru RambhadracharyaDivyang University, Chitrakoot.
- Faculty Development Programme from 2020-05-25 to 2020-05-29 on Moodle Learning Management System organized by Sree Narayana College, Chengannur with course material provided by Spoken Tutorial Project, IIT Bombay.
- Refresher Course in Quantum Mechanics held at Bishop Moore College,Mavelikkara from 1-14 May 2017.

- Science Academies Lecture Workshop on Advances in condensed Matter Physics organized by the Indian National Science Academy, New Delhi National Academy of Sciences India, Allahabad, Indian Academy of Sciences, Bangalore hosted at Bishop Moore College Mavelikkara during 07-09 March 2018
- National Seminar on Recent trends in Bio-Nano Photonics during 19-20 December 2013 at Sree Narayana College for Women, Kollam

INVITED LECTURES AS RESOURCE PERSON

Nil

PUBLICATIONS IN BOOKS OR JOURNALS

- Structural and optical characterization of ZnO thin film grown via chemical bath deposition technique, Conference proceedings.
- A comparative study on the antioxidant activity of CuO/MgO nanocomposites synthesized via chemical and biological route, AIP Conference proceedings.
- CuO/NiO bimetallic nanocomposite: A facile DNA assisted synthetic approach and evaluation of its bio efficacy.
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MEMBERSHIP IN PROFESSIONAL BODIES

- **APT**
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OTHER ACHIEVEMENTS

- Mentor Walk With Scholar Programme
- Mentor NPTEL Courses
- Resource person of KSITM course “Capacity Building in IT for girls”

RESEARCH OUTPUT

- Developed nanocomposite for medical applications.

CITATIONS AND INDEXING, IF ANY

Nil

- **JOURNAL CITATIONS**
- **INDEXING (h-INDEX)**