



Dr. SALINI N G

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Educational Qualification

- PG Diploma In Counselling Psychology , Kannur University, Kerala, 2023
- Ph.D. Chemistry, Kannur University, Kerala, 2021
- UGC-CSIR-NET, June 2006
- M.Sc. Chemistry, Kannur University, Kerala, 2005.
- B.Ed. Physical Science, University of Calicut, Kerala, 2007.
- B.Sc. Chemistry, Kannur University, Kerala, 2003.

Professional Experience

- As Assistant Professor at Nehru Arts and Science College, Kanhangad, from November 2010 onwards.
- As Assistant professor (F I P Substitute) at Govt. Brennen College, from March 2010 to November 2010.
- As H S S T at Kadambur English medium School, From June 2009 to February 2010.
- As Lecturer (Through Employment Exchange) at Govt. Polytechnic College, Mattannur, from September 2007 to March 2008.
- As Guest Lecturer at Govt. Polytechnic College, Kannur, from September 2006 to November 2006.
- As Guest Lecturer at G H S School Muzhappilangad, from January 2006 to March 2006.

Research Experience

- Awarded Ph.D. in Chemistry on the topic entitled “**Environmental and Mass Transfer Applications of Waste Expanded Polystyrene Composites**” from Kannur University.

Research Papers Published in Journals

- The Heterostructured nanocomposite of EPS/PVA/Ag-TiO₂ for sewage treatment by COD removal, **Emergent Materials**, doi: 10.1007/s42247-021-00341-z, (2022).
- Barrier Performance of EPS/EVA nanocomposite membrane for Petrochemicals, **Journal of Polymer Research**, doi: 10965-021-02721-9, (2021).

- Molecular transport of aliphatic alcohols through expanded polystyrene–polyvinyl alcohol thin films, **Bulletin of Materials Science**, 44, 236, (2021).
- Biodegradable composites of waste expanded polystyrene with modified neem oil for packaging applications, **Journal of Elastomers and plastics**, 2021, doi: 10.1177/00952443211006164.
- Studies on the effect of epoxidised coconut oil as a plasticizer for PVC, **Journal of Emerging Technologies and Innovative Research**, Feb: 2019 Volume 6, Issue 2, 2349-5162
- Fruit Peel Extract Mediated Green Synthesis of Copper Nanoparticles, **Academia- A Multidisciplinary Research Journal**, NASC, Kanhangad publication, 2018, volume 3, ISSN 2395-7050.
- Chemical Analysis for Evaluating Soil Health and Quality- A Study at Nileshtar, India; **International Journal of Research and Analytical Reviews**, July 2018, Volume 5, Issue 3. E-ISSN 2348-1269.
- Studies on Isolation and Characterization of Humic Acid from Various Sources, **Academia- A Multidisciplinary Research Journal**, NASC, Kanhangad publication, July- December 2016, volume 2, ISSN 2395-7050.

Book Published

- Book entitled “Day Today Chemistry”, ISBN-978-93-5361-243-6.

Article Published in Periodicals

- “Niobium – Oru Divasam Oru Moolakam” LUCA, online Science Magazine, December, 2019.
- “Nitrogen enthe alpam madiyanayath” Sasthra Keralam Science Magazine, November, 2022.

Research Papers Presented/Published in Conferences

- **Enhanced adsorption of synthetic dye onto PS-PVA composites**, International conference at KSMDDB College, Sasthamkotta.
- **Adsorption Studies of Expanded Polystyrene- Polyvinyl Alcohol Composite filled with Silver Doped Titanium Dioxide**, National Seminar at KMMGW College Kannur.
- **Analysis of Basic Physico-Chemical Parameters of Water Quality at Nileswaram Zone**, National Seminar at P R NS S College, Mattannur.
- **Trend of Fertility Status in Soil- Chemical Analysis at Hosdurg Taluk**, National Seminar at N G C Nirmalagiri.
- **Chemical Analysis as an Important Tool for Evaluating Soil Health and Quality: A Zonal Survey**, National Seminar at N A S C Kanhangad.

Seminars/Programmes Organised

- Organizing committee member, **Sasthrapadham 2020**, a Science enrich programme organized for XI students of Kasaragod district during January 30, 31 & February 1, 2020.

- Organizing committee member “**Talent Hunt- Sasthrajalakam**” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 8 -10 November 2019, sponsored by SIET, Kerala.
- Organizing committee member, **Sasthrapadham 2019**, a Science enrich programme organized for XI students of Kasaragod district during 12-14 January, 2019.
- Organizing committee member “**Talent Hunt- Sasthrajalakam**” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 2 -4 November 2018, sponsored by SIET, Kerala.
- Organizing committee member, one day seminar on Prospectives **in Chemistry for Students and Teachers**, at CUK on 26th march 2018.
- Organizing committee member National Seminar entitled “**Modern Trends in Chemistry**” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad on 23rd June 2017, sponsored by PTA.
- Organizing committee member National Seminar entitled “**Polymers Plural Thoughts over the Boons & Bans**” at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 5- 6 February 2014, sponsored by KSCSTE.
- Organizing committee member regional seminar entitled “**Solid Waste Management - A Sustainable Perspective**” on October 10th 2014 at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad, sponsored by KSCSTE.

Resource Person

- Innovation in Vocational Education & Training –at **BRC Hosdurg** on 24-02-2023, Sponsored by Department of General Education, Kerala.
- **Mental Health Day** Celebration at Nehru Arts and Science College Kanhangad on 10th October 2023, Conducted by Nehru Study Centre, NAS College.
- Talent Hunt – **Sastrajalakam** - at Nehru Arts & Science College, Kanhangad, on 08-10November 2019, sponsored by SIET, Kerala.
- Talent Hunt – **Sastrajalakam** - at Nehru Arts & Science College, Kanhangad, on 03-05 November 2018, sponsored by SIET, Kerala.

Conference/Seminar Attended

- International multidisciplinary webinar series convergence 2021, **Importance and opportunities of interdisciplinary research**, IQAC, SES College, Sreekandapuram, 25th September 2021.
- American Chemical Society Science Talk- Virtual Lecture series, **Molecular Modeling, theory and simulation studies of polymeric materials**, 17th September 2021.
- American Chemical Society Science Talk- Virtual Lecture series, **Light- mediated, Directed Placement of DNA Ligands on Gold Nanoparticles**, 10th September 2021.
- International webinar on Research, **Technology and Application of Modern Materials of Chemistry**, WIRAS College, Pilathara, 4th March 2021.
- International conference on **Emerging Trends in Computational and Materials Chemistry Research**, KSMDB College, sasthankotta, 9-12 nov.2020.
- International webinar on **DOCTRINA- 5**, Sir Syed College, Taliparamba, 26-05-2020.

- International webinar on **visualization tools in chemistry**, department of chemistry, St. Pauls College, Kalamassery, 19-05-2020.
- UGC sponsored webinar on **value the values** , IQAC, NASC Kanhangad, 2019
- National Seminar on **Modern Aspects of Chemical Sciences 2019**, KMM Govt. Women's College, Kannur, 3 and 4 December 2019, DCE sponsored.
- National Seminar on **Quantum Chemistry and Spectroscopy**, Govt. College, Madappally, 30 and 31 October 2019, DCE sponsored.
- National Seminar on **Recent Advances in Chemistry**, at Govt. Brennen College, 15-16 November 2018, DCE sponsored.
- National Seminar on **Recent Challenges and Progress in Chemistry**, at Govt. College Kasaragod, 4-5 October 2018, DCE sponsored.
- **Prospectives in Chemistry for Students and Teachers**, at CUK on 26th march 2018.
- Outreach Programme on **Facilitating Innovation and Patent Filing**, Swami Ananthatheertha Campus, Payyannur, 20 July 2016.
- Orientation Programme on **Anti plagiarism**, Kannur University, 22 nd June 2016.
- National Seminar on **Climate Change Challenges and Solutions**, N A S College, 22 and 23 February 2016.
- 28th **Kerala Science congress**, 28-30 January 2016, at Calicut University.
- National Conference on **Emerging Methods in Nano Technology**, at PRNSS College, 17-18 September 2015, UGC sponsored.
- National Seminar on **Polymers and Composites** at Nirmalagiri College, 9-10 September 2015, UGC sponsored.
- National Seminar on **Techniques and Advances in Material Sciences**, at Govt. Brennen College, 24 November 2014, DCE sponsored.
- Workshop on "**Research Methodology**", held at Nehru Arts & Science College, Kanhangad as part of Swasraya Bharath 2014, organised by Swadeshi Science Movement, Kerala on 17 October 2014.
- National Seminar on "**Polymers Plural Thoughts Over the Boons & Bans**" at Dept. of Chemistry, Nehru Arts & Science College, Kanhangad during 5 -6 February 2014, sponsored by KSCSTE.
- National Seminar on **Instrumental Methods of Chemical Analysis**, at Govt. Brennen College, 22 November 2013, DCE sponsored.

- Workshop on **General Informatics**, held at Nehru Arts & Science College, Kanhangad, Sponsored by KSCSTE, 23-25 august 2011.
- Workshop on **Strategies on Reaccreditation**, held at Nehru Arts & Science College, Kanhangad, 4—5 July 2011, sponsored by NAAC.

Session Chaired

- Chaired Session-2 of National Seminar on Instrumental Methods of Chemical Analysis, at Govt. Brennen College, 22 November 2013, DCE sponsored.

Training Undergone

- NEP Orientation and Sensitization Programme for faculty in Universities/ Colleges/ Institutions of Higher education, MMTTC Kannur University, from 2023 December 12th to 21st
- Two weeks online refresher course/faculty development programme in Chemiocal Sciences, Teaching learning Centre, Ramanujan College, **University of Delhi**, from 01-15 February, 2022.
- Two weeks online refresher course/faculty development programme- managing online classes and co-creating MOOCS, Teaching learning centre, Ramanujan College, **University of Delhi**, from 04-18 September 2021.
- One week FDP on Online Education in HEI's conducted by **KSHEC**, from 13-17 July 2020
- Online Refresher course in chemistry conducted by SWAYAAM, **MHRD**, govt. of India, from September 01 to December 31, 2019
- Online Refresher course in chemistry conducted by SWAYAAM, **MHRD**, govt. of India, from November 01, 2018 to February 29, 2019
- Refresher Programme for College Teachers, organized by Human Resource Development Center (**HRDC**), Kannur University from 13/08/2014 to 02/09/2014.
- Orientation Programme for College Teachers, organized by Human Resource Development Center (**HRDC**), Kannur University from 10/10/2011 to 08/11/2011.

Positions Held at University Level

- UG (Chemistry) Board of Studies Member (No. Acad C3/8732/2013 dtd. 09/12/2015) for two years.

Positions Held at College

- Scholarship nodal officer 2022-24
- State Public Information Officer from July 2023 onwards
- CBCSS dept. level coordinator 2019-2021 and 2021-23
- Director Employees Cooperative Society 2018-2023
- Coordinator Internal Complaint Committee during 2018- 2023
- Member Fine Arts Committee during 2021-22
- Hostel Assistant Warden during 2018- 2021.
- Member women cell 2013-14 and 2019-2023
- Member Library advisory committee 2019-2020
- Member beautification committee 2015-2017 and 2019-2020
- Member Vigilance Committee 2018-2019

- Member Academic Monitoring Committee 2016-17 and 2018-2019
- Hostel Committee Member during 2016- 2017 and 2021-23
- Member Consultancy Advisory Committee 2016- 2017.
- Coordinator Centre for Women Studies 2015-17
- WWS mentor 2016-17
- Member Internal Complaint Committee 2014-15
- Member Health Club 2013-2014
- Member Centre for Women Studies 2011-2013

Extension and Community services

- Member Association of Chemistry Teachers (ACT).
- Member Hrudayaram Enclave of Alumni and Resource Team (HEART)
- Member Kerala Sastra Sahithya Parishath (KSSP).
- Member Programme Committee Kannur University Arts festival, 2013-2014 and 2017-2018
