

SAVITHA E V

Assistant Professor

Career goal

To be a dynamic educator in the field of chemistry, to encourage and inspire students to achieve their highest potential through a solid and well-rounded education.

Academic Education

Qualified NET Lectureship Examination	June 2010
Researcher in Electrochemistry	2020 onwards
Mphil Inorganic chemistry School of chemical science. Mahatma Gandhi university Kottayam, Kerala, India.	70% 2009-2010
B Ed Degree KUCTE Aryad, Alappuzha. Kerala, India. Kerala University.	65% 2006-2007
M.Sc Analytical chemistry Kuriakose Elias College Mannanam, Kottayam, Kerala. Mahatma Gandhi University.	71% 2004-2006
B.Sc Chemistry Kuriakose Elias College Mannanam Kottayam Kerala Mahatma Gandhi University.	86% 2001-2004
Pre degree Kuriakose Elias College Mannanam, Kottayam, Kerala. Mahatma Gandhi University.	68% 1999-2001



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AREA OF RESEARCH:

Electochemistry

Academic Employment

October 2012 present-

Working as Assistant Professor in Chemistry (UG courses only) in **T. K. Madhava Memorial College** Nangiarkulangara, Alappuzha, Kerala. (October 2012 onwards, 09 years)

Extra Curricular

College-level monitoring committee/club

- ❖ Convener of Women Empowerment Cell 2025.
- ❖ Convener of Science Club 2025
- ❖ Member of communication skill development committee 2013 onwards.
- ❖ Member of guidance & counseling 2013 onwards.
- ❖ Member of health club 2013 onwards.
- ❖ Faculty advisor of FYUGP students (2025 Admission)

Responsibilities Undertaken

- ❖ Appointed as external examiner for conducting S₂, S₄, S₅ and S₆ B.Sc chemistry and B.Sc chemistry & Industrial chemistry practical examinations from the year 2014 onwards.
- ❖ Appointed as additional examiner for valuing answer scripts of S₁, S₂, S₃, S₄, S₅ and S₆ B.Sc chemistry university examinations from the year 2013 onwards.
- ❖ Appointed as additional examiner for valuing answer scripts of S₁, S₂, S₃, and S₄ M.Sc chemistry university examinations from the year 2020 onwards.
- ❖ Appointed as chairman for career-related course – Chemistry and Industrial Chemistry S₄ (2024-2025) and S₅ (2025-2026).

UG/PG Project Guideship

Project Guide for UG students:

Topics entitled as

- ❖ “Determination of Alcohol Content in Ayurvedic Medicine - Kashaya.”
- ❖ “Synthesis and Characterization of Fe₂O₃ Nanoparticles.”
- ❖ “A Comparative Study of Caffeine Content in Coffee and Tea Samples and Decaffeination in Coffee.”
- ❖ “A Critical Review of the Quality Parameters of Different Well Water.”

Seminars/ Conferences/ Workshop/ Webinar Organized

- ❖ Organized a Workshop on 'Innovations and Entrepreneurship on Industrial Chemistry' under the financial support of KSCSTE on February 2019.
- ❖ Organized a World Wetland Day – 2019 under the financial support of KSCSTE on February 2019.

Seminars/ Conferences/ Workshop/ Webinar Attended

- ❖ Participated in Two weeks MOOC course (e-learning) on "**online learning and content development**" organized by FLAIR Kerala on April 2020.
- ❖ Participated in Faculty Development Program on "**ICT Tools in Teaching Chemistry**" conducted by St. Teresa's College (Autonomous), Ernakulam on September 2020.
- ❖ Participated in Faculty Development Programme on "**Moodle Learning Management System**" organized by Sree Narayana College, Chengannur in association with Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India on May 2020.
- ❖ Participated in One Week National Faculty Development Program on "**Research Ethics and Characterization Techniques in Materials Science**" organized by Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD and Bishop Moore College, Mavelikara, Affiliated to the University of Kerala & St. John's College, Agra on September 2020.
- ❖ Participated in "**International Webinar Lecture Series**" Organized by Department of Chemistry, St. Michael's College, Cherthala, Kerala, India on May 2020.
- ❖ Participated in National level Webinar on "**Data Analytics**" organized by the Department of Chemistry, St. Paul's College, Kalamassery on May 2020.
- ❖ Participated in International Symposium on "**Supramolecular & Photochemistry (SPC-2020)**" Organized by Post Graduate Department of Chemistry & Research Centre S.D College, Alappuzha on January 2020.
- ❖ Presented a paper on KSCSTE Sponsored National Seminar on "**Recent Advances in Supramolecular and Nano chemistry**" on November 2017.
- ❖ Participated in symposium on "**Curriculum and Higher Education Assessment and Accreditation in Higher Education**" conducted by Kerala Higher Education Commission (AKPCTA) held at S D College, Alappuzha, on December 2015.
- ❖ Participated in intermediary workshop on "**Virtual Labs and Online Learning Management System**" conducted VALUE virtual labs an initiative of MHRD under the national mission on education through ICT at Amrita Viswa Vidyapeetham university Amrithapuri march 2015.

- ❖ Participated in the workshop on “**Practicals in Chemistry**” conducted by academy of chemistry teachers held at FMN college Kollam on January 2015.
- ❖ Participated in the second international conference on “**Nanostructured Materials and Nanocomposites (ICNM 2014)**” held at Mahatma Gandhi University Kottayam Kerala from 19 -21 December 2014.
- ❖ Participated in DST-PURSE workshop on “**Frontiers of Spectroscopy and Microscopy**” held at Mahatma Gandhi University Kottayam from 10 -12 September 2012.

Orientation/Refresher Courses Attended

- ❖ Online Refresher Course **Data Analytics and Machine Learning** conducted by UGC-Human Resource Development Centre, University of Kerala, Kariavattom from 23/02/2021 to 08/03/2021.
- ❖ Refresher Course – Summer School (Multidisciplinary) conducted by UGC-Human Resource Development Centre, University of Kerala, Kariavattom from 23/07/2018 to 13/08/2018.
- ❖ Orientation Course conducted by UGC-Human Resource Development Centre, University of Kerala, Kariavattom from 04/08/2017 to 31/08/2017.

PhD Registration & Area of Research

Part-time Research Scholar in Electrochemistry at St. Berchman’s College Changanasery, Affiliated to Mahatma Gandhi University, Kottayam, on 2021 August onwards.

Publications

1. **Savitha E V.**, Beena Mathew & Sam John. Utilization of biomass from *Artocarpus heterophyllus* as a sustainable adsorbent for cationic dyes from water: mechanistic insights and practical applicability. *Biomass Conv. Bioref.* (2025). <https://doi.org/10.1007/s13399-025-06686-3>
2. **Savitha E V.**, Saritha K M, Beena Mathew & Sam John. Integration of *Artocarpus heterophyllus* peduncle adsorption and cyclic voltammetry for efficient detection and removal of Ni²⁺ and Cd²⁺ ions. *Separation Science and Technology*, <https://doi.org/10.1080/01496395.2025.2572481>

Presentations

1. Presented a paper in the International Conferences on Advances in Interdisciplinary Nanoscience (ICAINS 2024) organized by Government College for Women, Thiruvanthapuram, Kerala. India, January 10-12, 2024.
2. Presented a paper in National Seminar on Microplastics in Environment: Challenges and Perspectives organized by Assumption College, Changanassery, Kottayam, Kerala. India, February 28th & 29th, 2024.