

JEESU GEORGE

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EDUCATION

Enrolled for part time PhD in Chemistry (Mangalore University)	December, 2021
Qualified National Eligibility Test (NET)	December, 2017
Qualified Graduate Aptitude Test in Engineering (GATE)	April, 2020
Five Year Integrated Interdisciplinary Master of Science, majoring in Chemical Sciences (Organic Chemistry) Mahatma Gandhi University, Institute for Intensive Research in Basic Sciences (IIRBS) Kerala.	Graduated, July 2017 CGPA: 7.89 out of 10
Higher secondary St. Joseph Model Higher Secondary School, Thrissur, Kerala	Graduated, July 2011 Percentage: 83%
High School PEMHSS, Perintalmanna, Kerala	Graduated, July 2009 Percentage: 90%

AREA OF RESEARCH

- Nanocatalysis
- Metal Organic Frameworks
- Graphene and reduced graphenes
- Photocatalysis

PROJECT

Attempted a project titled: **"Synthesis Of Pyrrolizidine Moeity Employing (2S,3S)- Tetrahydro-3-Hydroxy-5-Oxo-2,3-Furan Dicarboxylic Acid"** during MSc course work and submitted dissertation by July 2017 under the guidance of **Dr.I.IBNUSAUD** at Institute For Intensive Research In Basic Science Mahatma Gandhi University, Kottayam.

DOCTORATE

Enrolled for PhD under the guidance of Rev Dr Praveen Martis SJ at St Aloysius College (Autonomous), affiliated to Mangalore University, Karnataka, India. Title of the work: **"Synthesis of Reduced Graohene Oxide Based Catalysts and Evaluating It's Applications"**.

WORK EXPERIENCE

- Working as Assistant Professor in Chemistry at St Aloysius (deemed to be University), Mangalore since 2018.

CERTIFICATION

- Completed "Nanotechnology: A Maker's Course" an online non-credit course authorized by Duke University, North Carolina State University and The University of North Carolina at Chapel Hill and offered through **Coursera**
- Completed online **Swayam Course** "AI for Chemistry" aligned to NCrF level 4.5, offered by IITM.
- Completed an online course titled "Prompt Engineering for ChatGPT" authorized by Vanderbilt University offered through **Coursera**

PRESENTATIONS

- Presented a paper on Synthesis, Characterization, and Catalytic Applications of rGO-Bimetallic MOF Composites at **International Conference on Advances in Material Sciences** conducted by St Dominic's College, Kanjirapally on January 9th, 2025
- Presented a paper in the International Conference on **"Interdisciplinary Studies And Advancements In Chemical Science"** (ISACS 2025) held on 30th January 2025 at Nirmalagiri College, Kuthuparamba, Kannur, Kerala
- Presented a poster titled "Synthesis, characterization and catalytic applications of rGO-bimetallic MOF composites during the National Workshop on **"Futuristic Catalysts and Catalytic Processes"** (NW FCCP-2024), 15th and 16th February, 2024 organized by Central University of Kerala

- Presented a paper titled: "Synthesis, Characterization and Catalytic Application of rGO-Bimetallic MOF composites" in the One-Day International Conference on **"Intellectual Property Rights and Innovation Ecosystems: Opportunities, Challenges and Future Directions"** (Hybrid Mode), held on 25th August, 2026, organised by Post Graduate Studies & Research Centres and IPR Cell in collaboration with Dr. Manmohan Singh Bengaluru City University.

PUBLICATIONS

- Authored an article (Book chapter) in the edited book Futuristic Trends in Chemical Material Sciences & Nano Technology Volume 3 Book 20 published by IIP series

CONFERENCES ATTENDED

- Participated in the International Conference on **"Interdisciplinary Studies And Advancements In Chemical Science"** (ISACS 2025) held on 30th & 31st January 2025 at Nirmalagiri College, Kuthuparamba, Kannur, Kerala
- Participated in the International Conference on **Advances in Material Sciences** conducted by St Dominic's College, Kanjirapally on January 9th & 10th, 2025
- Participated in the **"One Week Faculty Development Programme"** organised by the Department of Physics, PSGR Krishnammal College For Women in Association with SEPA, Coimbatore from 09.12.2024 to 14.12.2024.
- International conference **on Environmental Sustainability in Harmony with Nature** (ICESHN 2024), organized by (St Aloysius Deemed to be University), April 5th & 6th, 2024.
- National Workshop on **"Futuristic Catalysts and Catalytic Processes"** (NWFCPP-2024), 15th and 16th February, 2024 organized by Central University of Kerala.
- FDP on **"AI and Machine Learning"** conducted by LIBA, Loyola college, Chennai, 6th – 8th July, 2023.
- 5-day Capacity Building Workshop on Effective **Research Methodology and Publication Strategies** online Faculty Development Programme organized by AIACHE, New Delhi from 27th February - 3rd March 2023.
- National Seminar on **NMR spectroscopy** by Magnetic Resonance Society at Nirmalagiri College Kuthuparamba on 5th and 6th November, 2022

- One Week **Research Orientation Workshop in Chemistry**, Organised by PPISR, Bengaluru, April 4-8, 2022
- Participated in the one day international symposium in “**Concurrent Methodologies in Organic Synthesis**” in honour of **Prof. Ei-ichi NEGISHI** (2010 Chemistry Nobel Laureate) who was visiting Kerala as a State Guest 13th of February 2015
- National Workshop on "**NMR Spectroscopy**", 10th- 13th September 2014.
- Workshop on “High-Performance Liquid Chromatography (HPLC)” by **Prof. Hassan Aboul-Enein Y.** (Dept. of Pharmaceutical & Medicinal Chemistry, National Research Centre, Egypt), 4th & 5th November 2013.
- Workshop on "Nuclear Magnetic Resonance: Theory and Application", 24th - 26th January 2013

TECHNICAL AND INSTRUMENTATION SKILLS

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| • NMR (¹ H, ¹³ C) | • TGA |
| • FT-IR | • BET |
| • UV | • GC |
| • XRD | • HPLC |

COMPUTER PROFICIENCY

- MS Office
- Chemdraw
- Gaussian
- Chimera

CERTIFICATE COURSES CONDUCTED

- Spectral Interpretation of Organic Compounds (2020-22)
- Year Long Online Live Training for CSIR-JRF-NET/ SET / GATE - Chemical Science (2020)
- Online Crash Course in Chemical Science for KSET (2021-22)
- Year Long Online Live Training for IIT JAM - Chemical Science (2021-23)
- Advanced Characterization Techniques (2023 Onwards)
- Introduction To Spectroscopy And Analysis (NMR) (2023 Onwards)