



Dr. Rajesh R

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LinkedIn Profile Link: www.linkedin.com/in/rajesh-r-6b29851a

Summary

- Professionally qualified with more than 8years experience in Research and teaching.
- Strong expertise in team Handling & Supervision.
- Handling various Chemistry Laboratory activities and Research Labs.
- Ability to develop new synthetic methodologies in organic chemistry via research.
- Experienced in water quality analysis.
- Provide training to the team members to make the team strong for best productivity.
- Conduct the reviews with the team members and generate the reports periodically.

Signature Skills & Responsibilities

- Prepare and convey the technical presentations of the with regard to research works.
- Aliening the team to make the targets on time.
- Initiate the various activities for the institutional growth.
- Portfolio management.
- Define job scope and other objectives like timeline, quality control.

Academic Credentials

Board of Secondary Examination Certificate X

- Awarded by Board of public Examination, Kerala, India May 2002

Board of Higher Secondary Examination Certificate XII

- Awarded by Board of Higher Secondary Examination, Kerala, India May 2004

B.Sc in Chemistry

- Awarded by Mahatma Gandhi University, Kottayam, State of Kerala, India 2007

M.Sc in Chemistry

- Awarded by Mahatma Gandhi University, Kottayam, State of Kerala, India 2009

M.Phil in Marine Chemistry (First Rank)

- Awarded by Cochin University of Science and Technology, Kochi, State of Kerala, India 2014

PhD in Organic Chemistry (Awarded on 17/04/2024)

- Awarded by Mahatma Gandhi University, Kottayam, State of Kerala, India.

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Professional Work Experience

- **Worked as Assistant Professor on contract in the Department of Chemistry, T. K. Madhava Memorial College, Nangiarkulangara, Haripad. from 04/06/2024 to 28/03/2025.**
- **Ph.D awarded under the supervision of Dr. Rajesh K., Assistant Professor, St. Albert's College, Ernakulam on 17/04/2024**

Research Scholar in Department of Chemistry, St Albert's College, Ernakulam where I am performing research in organic/ Organometallic Homogenous catalysis.

- Design and optimization of new chemical reactions, including the identification of novel reagents and catalysts.
- Exploration of various catalytic systems, such as transition metal catalysts, organocatalysts, and biocatalysts, to enhance reaction efficiency and selectivity.
- Development of environmentally friendly and sustainable synthetic methodologies, with a focus on reducing or eliminating the use of hazardous reagents and minimizing waste.
- Researchers in organic synthetic methodology contribute significantly to advancing the field of organic chemistry, enabling the synthesis of diverse and complex molecules with applications in various scientific and industrial domains.

- **Worked as Project Assistant in Major Project funded by Department of Science and Technology (DST), Government of India.**
1st Nov 2016 - 15th Jun 2019

Project Assistant under the guidance of Dr. Rajesh K., Assistant Professor, St. Albert's College, Ernakulam where a vital role is being played in establishing a new synthetic laboratory in the college and maintaining various instruments like IR spectrophotometer, Gas chromatograph, UV spectrophotometer, Rotary Evaporator etc.

- Design and Characterization of Organic Molecules.
- Development of new synthetic methodology.

- **Worked as Junior Research Fellow in Major project funded by Department of Science and Technology (DST) Government of India**
26th Sep 2012 – 20th Sep 2015

Project Assistant under the guidance of Dr. Anu Gopinath., Assistant Professor, Kerala University of Fisheries and Ocean Studies (KUFOS), Panangad, Ernakulam where a vital role is being played in establishing research laboratory related to water quality analysis and maintaining various instruments.

- Experienced in design and planning of experiments or field studies related to water quality analysis.
- Participated in fieldwork to collect water samples or relevant data.
- Collaborated with other team members, researchers, and experts to discuss findings and contribute to the overall objectives of the research project.
- Communicated research findings through presentations, reports, and publications.
- Attend conferences, workshops, and training sessions to enhance knowledge and skills.
- Manage and organize project-related tasks to meet deadlines and milestones.

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- **Worked as Adhoc Lecturer in Department of Chemistry, St Albert's College, Ernakulam 1st June 2010 – 20th September 2011 (1 Year 3 months of Experience)**

Adhoc Lecturer in Department of Chemistry, St. Albert's College, Ernakulam

- Conducted lectures, tutorials, and laboratory sessions in Chemistry ensuring safety protocols.
- Developed course materials, including syllabi, lecture notes, and assignments.
- Engaged in scholarly activities, which may include conducting research in a specialized area of chemistry.
- Maintained effective communication with students, colleagues, and administrators.
- Providing guidance to students during laboratory sessions.

SKILL SET

TECHNICAL:

- Microsoft Office, Adobe, CHEMDRAW, Spin works.
- Efficient in instrument handling and supervision.
- Effective time management skills and ability in prioritizing tasks to achieve deadlines.

OTHER SKILLS:

- Highly creative, inquisitive, analytical, and detail oriented.
- Flexible team player and also possess excellent leadership qualities.
- Excellent communication skills in English, Malayalam and Hindi.

PAPERS PUBLISHED

- **Rajesh, R.,** Devassy, J. P., Nihala, R., & Kunjanpillai, R. (2024). Cobalt (II) catalyzed Michael-type hydroamination of activated olefins. *Synthetic Communications*, 54(22), 1959-1973.
- **Rajesh, R.,** Sandhya, O. K., Narayanan, S. P., & Kunjanpillai, R. (2024). Lanthanoids in Hydroarylamination: Yb (III)-and Tb (III)-Catalyzed Addition of Arylamines to Activated Olefins. *Synthesis* (DOI: 10.1055/a-2282-7702).
- **Rajesh, R.,** Garg, J. A., Thiruvengadam, P., & Kunjanpillai, R. (2022). A Simple and General Nickel-Catalyzed Michael-Type Hydroamination of Activated Olefins Using Arylamines. *Asian Journal of Organic Chemistry*, e202200440 (DOI: <https://doi.org/10.1002/ajoc.202200440>).
- **Rajesh, R.,** Sella, E. S., Blacque, O., & Rajesh, K. (2019). Crystal structure of a new 2, 6-bis (imino) pyridine derivative: (1E, 1' E)-1,1'-(pyridine-2, 6-diyl) bis [N-(4-chlorophenyl) ethan-1-imine]. *Acta Crystallographica Section E: Crystallographic Communications*, 75(2), 115-118.
- Joy, A., Anoop, P. P., **Rajesh, R.,** Mathew, J., Mathew, A., & Gopinath, A. (2020). Geochemical fractionation of trace elements in the coral reef sediments of the Lakshadweep Archipelago, Indian Ocean. *Marine Pollution Bulletin*, 158, 111409.
- Joy, A., Anoop, P., **Rajesh, R.,** Mathew, J., Mathew, A., & Gopinath, A. (2019). Spatial variation of phosphorus fractionation in the coral reef sediments of Lakshadweep Archipelago, Indian Ocean. *Chemistry and Ecology*, 35(7), 592-612.

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- Joy, A., Anoop, P., **Rajesh, R.**, Mathew, J., Mathew, A., & Gopinath, A. (2019). Biochemical composition of sedimentary organic matter in the coral reefs of Lakshadweep Archipelago, Indian Ocean. *Chemistry and Ecology*, 35(9), 805-824.
- Joy, A., Anoop, P. P., **Rajesh, R.**, Mathew, J., Mathew, A., & Gopinath, A. (2019). Spatial variation of trace element concentration and contamination assessment in the coral reef sediments of Lakshadweep Archipelago, Indian Ocean. *Marine Pollution Bulletin*, 146, 106- 116.
- Joy, A., Anoop, P. P., **Rajesh, R.**, Mathew, A., & Gopinath, A. (2020). Spatial Distribution and Contamination Assessment of Trace Metals in the Coral Reef Sediments of Kavaratti Island in Lakshadweep Archipelago, Indian Ocean. *Soil and Sediment Contamination*, 29(2), 209-231.

REFERENCES

1. Dr. Rajesh Kunjanpillai

Assistant Professor, Department of Chemistry

St. Albert's College (Autonomous), Ernakulam, Kerala, India

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2. Dr. Midhun Dominic C. D.

Assistant Professor, Department of Chemistry

Sacred Heart College (Autonomous), Ernakulam, Kerala, India

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Personal Details

Address : Kuttikat House, Narakkal P.O
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Date of Birth : 27th April 1986

Sex : Male

Nationality : Indian

Marital Status : Single

Passport No : T 9599710

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