

Profile

Faculty Name : **Dr. B. Rajeshwari** Faculty ID : **955018**
Qualification : **M. Sc., M. Phil., Ph. D** Experience : **15 yrs**
Designation : **Assistant Professor** Department : **Science & Humanities (Chemistry)**

1. Training Programmes, Short term courses and Workshop attended by Faculty members in other institutions

- Completed a three weeks Industrial Training on “Recent Trends in Data Access Technologies” conducted by Rajiv Gandhi Memorial Telecom Training Centre, RSU, BSNL Telephone Exchange, Nagapattinam during **23.06.2021-13.07.2021**
- Attended a One day National Webinar entitled “**Implementation of Academic Bank of Credits**” organized by Guru Angad Dev TLC, SGTB Khalsa College, University of Delhi under Pandit Madhan Mohan Malaviya, National Mission on Teachers and Teaching of MOE on **10th July 2021**.
- Completed a two weeks interdisciplinary Refresher Course / Faculty Development Programme on “**Advanced Research Methodology Tools and Techniques**” during **30.01.2021 to 14.02.2021** conducted by Teaching Learning Centre, Ramanujan College sponsored by MHRD Pandit Madhan Mohan Malaviya, National Mission on Teachers and Teaching with Grade A+.
- Attended One Day Online National Workshop entitled “**ICT Tools for Chemistry Teachers**” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education on **22nd February 2021**.
- Completed NPTEL 4 weeks course “Designing Learner centric e-learning in STEM disciplines” conducted by NPTEL swayam in collaboration with IIT-Bombay.
- Attended a TEQIP – III sponsored five days Online FDP on “Strategies and Tools on effective Teaching and Learning” organized by Department of CSE, GCE Bargurduring **04.08.2020 to 08.08.2020** in association with PG and research Department of Social work, Sacred Heart College, Tiruppattur.
- Attended three days National Workshop on “Computational Chemistry- A Leeway to Theoretical Chemistry”, conducted by PSGR Krishnammal College for Women, Coimbatore in collaboration with D. G. Vaishnav College, Arumbakkam, Chennai during **27.07.2020 to 29.07. 2020** under DBT Star College Status.
- Attended a National Webinar on “Research Methodology” held on **17.07.2020** organized by Loyola College, Chennai.

- Attended a three weeks Industrial training for faculty conducted by Rajiv Gandhi Memorial Telecom Training Centre, BSNL TN circle on “Basic Science & Communication” during **08.06.2020 to 26.06.2020**.
- Completed an ACS Outreach training programme conducted by American Chemical Society on **19.06.2020**.
- Attended an International Webinar on “Online Education on Covid 19 Pandemic” on **04.06.2020** organized by Department of Management studies, EGSP Arts & Science College, Nagapattinam.
- Attended an International Webinar DOCTRINA-13 entitled “The art of synthesizing organic compounds: A Researcher’s perspective” on **04.06.2020** organized by Department of Chemistry and IQAC, Sir Syed College, Taliparamba, Kannur, Kerala.
- Attended a three days International Webinar on “Post Covid 19: Challenges and Opportunities of Libraries and Library Professional” during **03.06.2020 to 05.06.2020** organized by Department of Library and Information Science, Andhra University.
- Attended a webinar on “Open Educational Resources, Knowledge management and Organizational Culture in Libraries” between **29.05.2020 & 30.05.2020** organized by Central Library, UCE, BIT campus, Tiruchirappalli.
- Attended a two weeks online Workshop on “Comprehensive e-learning to e-training guide for Administrative work” during **25.05.2020 to 05.06.2020** conducted by Teaching Learning Centre, Ramanujan College sponsored by MHRD PanditMadhan Mohan Malaviya, National Mission on Teachers and Teaching.
- Attended a National webinar on “**CAS Promotion issues**” on 20.05.2020 organized by IQAC, Shikshan Maharishi Dnyandeo Mohekar Mahavidyalaya, Kalamb, AP
- Attended a webinar on “Green Chemistry and Green Engineering – A Unique Solution for Industrial Disasters” on **17.05.2020** organized by Kings College of Engineering, Pudukottai.
- Attended three days Online FDP on MOODLE during **13.05.2020 to 15.05.2020** organized by Vellore Institute of Technology Chennai in association with IIT-Bombay Spoken Tutorial funded by National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.
- Attended a webinar on “Research Data Management” on **01.05.2020** organized by Kerala library Association, Kottayam Region.
- Attended the two weeks Online FDP on “LaTeX” from **17.04.2020 to 30.04.2020** organized by Gopalan College of Engineering and Management, Bangalore in association with IIT Bombay-Spoken Tutorial (funded by National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India).

- Completed NPTEL 8 weeks course “Pericyclic reactions and Organic Photochemistry” conducted by NPTEL swayam in collaboration with IIT-Madras.
- Attended AICTE sponsored **14 days** Faculty Development Programme, Advances in Research and Development in Intelligent Mobile Robots, organized by Department of Mechanical Engineering, EGSPEC, Nagapattinam, **20.11.2017 to 03.12.2017**
- Attended **01 day workshop on** Intellectual Property Rights and Innovations, jointly organized by Centre for Intellectual property rights, Anna University Chennai in University College of Engineering, Thirukkuvalai, on **24.08. 2017**.
- Attended **TEQIP II** sponsored **14 days** Faculty Development Programme, MACS 2016, organized by Department of Chemistry, Anna University BIT campus, **18.07.2016 to 31.07.2016**.
- Attended **05 days** workshop on Introduction to Gaussian: Theory and Practice, organized by Gaussian Inc. **29.02.2016 to 04.03.2016**.
- Attended **TEQIP II** sponsored **02 days** lecture workshop on Chemistry for sustainable green environment 2016 CHESGREEN 16 organized by Department of Chemistry, Anna University BIT campus, **11.03.2016 & 12.03.2016**.
- Attended **UGC** sponsored **28 days** Orientation programme, organized by Academic Staff College, Bharathidasan University, **20.05.2014 to 16.06.2014**.
- Attended **Centre for Faculty Development**, Anna University, Chennai sponsored **07 days** Faculty Development programme, **MACS '16** organized by Department of Chemistry, UCE-Thirukkuvalai **15.12.2014 to 21.12.2014**.
- Attended **TEQIP II** sponsored **07 days** Faculty Development programme, **RADIC 2013**, organized by Department of Chemistry, Anna University BIT campus, **28.11.2013 to 04.12.2013**.
- Attended a **02 days** symposium on **Theoretical and Computational Chemistry: Frontiers and Challenges** organized by School of Chemistry, Bharathidasan University, **14.06.2013 & 15.06.2013**
- Attended a short term course on **Computational Methods in Chemistry**, organized by Department of Chemistry, National Institute of Technology, Tiruchirapalli, **23.07.2012 to 27.07.2012**.
- Attended **01 day** seminar on **Research Methodology**, organized by Centre for Research, Anna University of Technology Tiruchirappalli on **27.08.2011**.
- Attended **DST-FIST & DBT-BIF funded 02 days** National workshop on X-Ray Crystallography, organized by PG and research Department of Biotechnology & Bioinformatics, Holy Cross College (Autonomous), Tiruchirapalli, **25.08.2011 & 26.08.2011**.

2. Details of Conferences/Seminars/Symposium conducted in Departments/Centres

- Virtual Seminar on “Sweet Chemistry” on 28.08.2020 with 140 registered participants.

3. Guest Lectures delivered by Faculty members at other Institute

- Delivered a talk on the topic “Environment and Human Health”, in a webinar organized by Department of Biochemistry, Muthayammal College of Arts and Science, Rasipuram, Namakkal on 16th July 2021.
- Delivered a talk on the topic, “Futuristic Chemistry” organized by PG and Research Department of Chemistry, ADM College for Women, Nagapattinam on 25th August, 2022.

4. Honors / Awards received from State / National / International bodies by Faculty members

- Awarded Prominent Alumna on 5th March 2021 on the mark of International Women’s Day celebration from my Alma Mater A.D.M. College for Women, Nagapattinam (Autonomous), NAAC ‘A’ Grade (3rd cycle)
- Received “Aasiriya Sirpi” award from Rotary Club of Nagapattinam Sangamam on the mark of Teachers’ Day, 2021.
- Awarded “Best Poster and Best Presenter” in International Conference on Advanced Chemical and Structural Biology (ICASCB 2019) on 19th Feb, 2019 in PRIST University, ECR campus, Chennai.
- Received “Best RRC Programme Officer of Nagapattinam District” award from District Collector on Voluntary Blood Donors day 2018, conducted by Government Hospital Blood Bank, Nagapattinam.

5. a. Research Papers presented in National Conferences / Seminars / Symposium / Workshop

- **Rajeshwari Bharathy**, Karthik Mohan, Effect of stevioside and *stevia rebaudiana* leaf extract on hypercholesterolemia accelerated diabetic neuropathy in albino rats, on 6th April 2018 in NCORIES2K18.
- Karthik Mohan, Velmurugan Ramasamy, Shabana Begum, **Rajeshwari Bharathy**, Antihyperlipidemic and antiatherosclerotic effects of rectin and curcumin in diet induced hypercholesterolemic C57BL/6J diabetic mice, New Horizons in translational medicine, 2016. ISSN: 23075023.
- **Rajeshwari Bharathy**, Kalaiselvan Anbarasan, Karthik Mohan, Computational analysis of the inhibitory effect of selected dietary polyphenols against osteopontin, a proatherogenic protein, One Day National Workshop on Recent Advances in Engineering Materials & Chemical Sciences” (NWREMCS-2016).

b. Research Papers presented in International Conferences / Seminars / Symposium / Workshop

- **Bharathy Rajeshwari and** Anbarasan Kalaiselvan, poster presented titled *Ab initio* and DFT investigations on the stereospecific ring cleavage of aziridines by unsaturated carbenes, International Conference on Advanced Chemical and Structural Biology (ICASCB 2019) in PRIST University, ECR campus, Chennai, 19th - 21st Feb, **2019**.
- Karthik Mohan, **Rajeshwari Bharathy**, Effect of stevioside and aqueous leaf extract of *stevia rebaudiana* on diet induced hypercholesterolemia in rats, International Conference on Genetics, Biology and Life sciences, Dubai, UAE, 2016. ISSN: 9789384468408

6. Research Papers published in journals

Rajeshwari Bharathy, Kalaiselvan Anbarasan, Dhurairajan Senthilnathan, *Ab initio* and DFT investigations on the ring opening of aziridines using singlet unsaturated carbenes, Computational & Theoretical Chemistry, 1126, **2018**, 1-6.

7. Contribution to the Institution

- a. Acting as Class Coordinator by time to time.
- b. Acting as RRC Coordinator since 2014
- c. Acting as Chemistry lab in-charge since 2012.
- d. Acting as Library Coordinator since 2012
- e. Acted as Exam cell coordinator between 2015 and 2016.

8. Membership of Scientific and Professional Societies

- Member of **ACS**, American Chemical Society, Member ID: 31634481
- Member of **IAENG**, International Association of Engineers, Member ID: 215242
- Member of **HKCBEEES**, Hong Kong Chemical, Biological, & Environmental Engineering Society, Member ID: 202718