

RESUME

Dr.G. Rajkumar M.Sc., Ph.D., (NET, SET)

Assistant Professor of Chemistry

Vivekananda College

Tiruvedakam West

Madurai - 625 234

Tamil Nadu, India.

Mob. No : +91 95008 69470

Email id: rajkchem@gmail.com

Web Page: <https://sites.google.com/view/rajkumarganesan/home>

YouTube Channel Link: <https://www.youtube.com/c/DrRajkumarGanesan>

ORCID ID: [Ganesan Rajkumar \(0000-0003-1451-8532\)](https://orcid.org/0000-0003-1451-8532) - ORCID

Scopus Author ID: <https://www.scopus.com/authid/detail.uri?authorId=6701517587>

VIDWAN ID: <https://vidwan.inflibnet.ac.in/profile/152990>



ACADEMIC QUALIFICATION

COURSE	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF COMPLETION	MARKS %
Ph.D., Chemistry	Gandhigram Rural Institute (Deemed University) Gandhigram	Gandhigram Rural Institute	2011-2016	---
M.Sc., Chemistry	Gandhigram Rural Institute (Deemed University) Gandhigram	Gandhigram Rural Institute	2009-2011	79.41 (University 2nd Rank)
B.Sc., Chemistry	St. Joseph's College, Trichy	Bharathidasan University	2006-2009	80.38 (Gold Medal)
H. Sc.	E.R. Higher Secondary School, Trichy	State Board	2004-2006	70.41
SSLC	St. Joseph's College Higher Secondary School, Trichy	State Board	2003-2004	91.60

Present Positions:

- ❖ **Editorial Board Member**, SPK Publications, Dindigul since 01.01.2026.
- ❖ **Subject Expert**, Board of Studies Member, SDNB Vaishnav College for Women, Chennai
- ❖ Recognized as a **Ph.D., Research Supervisor** at Madurai Kamaraj University, Madurai since December 2024.
- ❖ Coordinator, Students Project Scheme (SPS), TNSCST (since 21st August 2025)
- ❖ Nodal Officer, Tamil Pudhalvan Scheme (TPS) (since 30th July 2024)
- ❖ SWAYAM-NPTEL Coordinator (since 1st November 2021)
- ❖ SWAYAM-NPTEL Translator (Machine Learning Tool-TransLingua)

- ❖ AICTE Translator for Chemical Engineering Courses (since August 2021)
- ❖ SWAYAM -NPTEL Translator for Chemistry Courses (since May 2020)
- ❖ Member, Entrepreneurship Development Cell. (since 2019)
- ❖ Community Member, American Chemical Society (ACS) since July 2020.
- ❖ Editorial Board Member, SKIREC Publications, Punjab.
- ❖ Academic Counsellor, Indira Gandhi National Open University (IGNOU) since January 2020.

Positions Held:

- ❖ NSS Programme Officer (01.10.2021 to 31.05.2025)
- ❖ NSS Assistant Programme Officer, (2016-2021)
- ❖ Department Coordinator, Website Data Maintenance Committee. (2019-2021)
- ❖ Coordinator, Intercollegiate Competition (2018-2022)
- ❖ Resident Acharya (2016-2019)

Examinations Qualified:

- ❖ State Eligibility Test (SET-2017)
- ❖ State Eligibility Test (SET-2016)
- ❖ CSIR-JRF-2014 (70th Rank at the All India Level) conducted by UGC-CSIR, New Delhi, December, 2014
- ❖ State Eligibility Test (SET-2012)

Membership in Professional Bodies:

- ❖ Member, National Council of Teacher Scientist (NCTS), Unit of Raman Science and Technology Foundation, since 2021.
- ❖ Lifetime member in Institute of Scholars (InSc) since 2020, Bengaluru, India
- ❖ Community Member, American Chemical Society (ACS) since July 2020.

Reviewer:

- ❖ Colloids and Surfaces B: Biointerfaces (Elsevier)
- ❖ International Journal of Analytical Chemistry (Wiley)
- ❖ Waste and Biomass Valorization (WAVE), Springer
- ❖ Mediterranean Journal of Chemistry
- ❖ International Journal of Agricultural Technology
- ❖ Journal of Advanced Research in Fluid Mechanics and Thermal Sciences
- ❖ InSc-International Journal of Basic and Applied Sciences
- ❖ Journal of Environmental Nanotechnology

Books Edited:

- ❖ International Conference on Modern Trends in Chemistry (MTC-25) (ISBN: 978-81-933998-6-6), Chithiram Publications, 2018.

Project Undertaken:

S.No.	Title	Month and Year	Agency
1.	Colorimetric Sensing and Photocatalytic Dye Degradation of Bio-fabricated 1,3,4-Thiadiazole-2,5-dithiol-functionalized Silver Nanoparticles (TDDT@NS-AgNPs) from the extract of <i>Nigella sativa</i>	May 2025	TNSCST, Govt. of Tamil Nadu (Student Projects Scheme)
2.	Biogenic synthesis of silver nanoparticles (AgNPs) and its applications in robust sensing and catalytic reduction of environmental pollutants	March 2022	TNSCST, Govt. of Tamil Nadu (Student Projects Scheme)

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S.No.	Title	Registration No.	Month & Year
1.	Aromaticity Concept for IIT-JAM/TRB/CUET/CSIR-JRF/GATE Examinations	L-145568/2024	March 2024

Ph.D. Thesis Title:

- ❖ “DEVELOPMENT OF PROTECTIVE METHODS FOR COPPER CORROSION IN NEUTRAL MEDIUM USING AZOLE DERIVATIVES” 2011-2016.

M.Sc., Project Title:

- ❖ “A Study on Phenolics as Mordants and Babool Gum as Thickeners in Textile Printing” 2010-2011.

Summer Project Title:

- ❖ “Fabrication of layer-by-layer self-assembly of polyphenols and perylenediimide on platinum surface” April-June, 2016, National Chemical Laboratory, Pune

Research Experience – 13 Years

- ❖ **Four years** of research experience in green synthesis of nanoparticles and its applications in sensing and biological activities.

- ❖ **Eight years** of Research Experience in the field of “Electropolymerized composite coatings and self-assembled monolayers of azole derivatives and its corrosion protection”.
- ❖ **One year** of Research Experience in the field of textile printing using phenolic compounds and its applications in anti-bacterial studies.

Teaching Experience – 10 Years

- ❖ Working as **Assistant Professor of Chemistry** in Vivekananda College, Tiruvedakam West, Madurai, Tamil Nadu since 15.07.2015 to till date.

Project Students -Guided:

- ❖ M.Sc., Students : 09
- ❖ B.Sc. , Students: 21

Project Students -Guiding:

- ❖ M.Sc Student : 04
- ❖ B.Sc. , Students: 02

Field of Interest – RESEARCH:

- ❖ Nanomaterials
- ❖ Corrosion Inhibition
- ❖ Nanocomposite Coatings

All India Radio Talk:

- 1) Delivered a special lecture on **சுற்றுச்சூழலை பாதுகாப்பதில் அறிவியலின் முக்கியத்துவம்** in All India Radio-Madurai FM on 26.03.2025.
- 2) Given a special interview on **உலக தாய் பூமி தினம்** in All India Radio-Madurai FM on 22.04.2025.
- 3) Delivered a special lecture on **சுற்றுச்சூழல் மாசுபாட்டின் சமூக மற்றும் பொருளாதார விளைவுகள்** in All India Radio-Madurai FM on 27.06.2025.

Research Publications in SCI Journals - 12

- 1) T. Srinivasan T, J. Balaji, **G. Rajkumar** and M.G. Sethuraman, A comparative investigation of the corrosion protection of copper-nickel (90/10) alloy by poly-3-amino-1,2,4-triazole embedded with various inorganic oxides in a neutral medium, **Journal of Chemical Sciences**, 138, article no. 52 (2026). <https://doi.org/10.1007/s12039-026-02504-z>. (Impact Factor: 2.0)

- 2) T. Srinivasan T, J. Balaji , **G. Rajkumar** and M.G. Sethuraman, Synergistic Effects of Inorganic Oxides on Poly(3-amino-5-mercapto-1,2,4-triazole) electropolymerized films for corrosion inhibition of Cu-Ni (90/10) alloy in aqueous sodium chloride medium, *New Journal of Chemistry (RSC).*, 50 (2026) 826-838. <https://doi.org/10.1039/D5NJ03663A>. (Impact Factor: 2.5)
- 3) **G. Rajkumar** and R. Sundar, Sonochemical-assisted eco-friendly synthesis of silver nanoparticles (AgNPs) using avocado seed extract: Naked-eye selective colorimetric recognition of Hg²⁺ ions in aqueous medium, *Journal of Molecular Liquids*, 368 (2022) 120638-120647. (Impact Factor: 6.633). <https://doi.org/10.1016/j.molliq.2022.120638>.
- 4) **G. Rajkumar** and R. Sundar, Biogenic one-step synthesis of silver nanoparticles (AgNPs) using an aqueous extract of *Persea americana* seed: Characterization, phytochemical screening, antibacterial, antifungal and antioxidant activities, *Inorganic Chemistry Communications*, (Impact Factor: 3.428) 143 (2022) 109817-109828. <https://doi.org/10.1016/j.inoche.2022.109817>.
- 5) K.Vinothkumar, **G. Rajkumar** and M.G. Sethuraman, Enhancement of protection of copper through electropolymerised poly-2-amino-1,3,4-thiadiazole and its composite films, *Materials Chemistry and Physics*, 259 (2021) 123987-124000. (Impact Factor: 4.094) (ISSN: 0254-0584) DOI: [10.1016/j.matchemphys.2020.123987](https://doi.org/10.1016/j.matchemphys.2020.123987)
- 6) **G. Rajkumar** and M.G. Sethuraman, A novel hybrid composite coating of poly-3-amino-5-mercapto-1,2,4-triazole/TiO₂ on copper for corrosion protection, *Iranian Polymer Journal*, 25 (2016) 119-128 (Impact Factor: 3.1) (ISSN: 1735-5265) DOI: [10.1007/s13726-015-0406-4](https://doi.org/10.1007/s13726-015-0406-4)
- 7) **G. Rajkumar** and M.G. Sethuraman, A study of the inhibition of copper corrosion by self-assembled films of 3-mercapto-1H-1,2,4-triazole, *Research on Chemical Intermediates*, 42 (2016) 1809-1821 (Impact Factor: 1.37) (ISSN No: 1568-5675) DOI: [10.1007/s11164-015-2119-x](https://doi.org/10.1007/s11164-015-2119-x)
- 8) **G. Rajkumar**, R. Sagunthala and M.G. Sethuraman, Investigation of inhibiting properties of self-assembled films of 4-aminothiophenol on copper in 3.5% NaCl, *Journal of Adhesion Science Technology*, 29 (2015) 1107-1117. (Impact Factor: 1.15) (ISSN No: 1568-5616) DOI: [10.1080/01694243.2015.1019391](https://doi.org/10.1080/01694243.2015.1019391)

- 9) **G. Rajkumar** and M.G. Sethuraman, Electrochemical synthesis of poly-3-amino-5-mercapto-1,2,4-triazole on copper and its protective effect in 3.5% NaCl medium, **Research on Chemical Intermediates**, 41 (2015) 8041-8055 (**Impact Factor: 1.54**) (**ISSN No: 1568-5675**) [DOI: 10.1007/s11164-014-1876-2](https://doi.org/10.1007/s11164-014-1876-2)
- 10) **G. Rajkumar** and M.G. Sethuraman, Synthesis, characterization and corrosion protection of poly-4-methyl-3-mercapto-1,2,4-triazole/TiO₂ composite on copper, **Polymer Bulletin**, 71 (2014) 3249–3260 (**Impact Factor: 1.43**) (**ISSN No: 1436-2449**) [DOI: 10.1007/s00289-014-1248-5](https://doi.org/10.1007/s00289-014-1248-5)
- 11) **G. Rajkumar** and M.G. Sethuraman, Corrosion protection ability of self-assembled monolayer of 3-amino-5-mercapto-1,2,4-triazole on copper electrode, **Thin Solid Films**, 562 (2014) 32–36 (**Impact Factor: 1.88**) (**ISSN No: 0040-6090**) [DOI: 10.1016/j.tsf.2014.03.074](https://doi.org/10.1016/j.tsf.2014.03.074)
- 12) **G. Rajkumar** and M.G. Sethuraman, Electrosynthesis of a novel poly(3-amino-1,2,4-triazole) + TiO₂ hybrid composite on copper and its corrosion protection, **Industrial and Engineering Chemistry Research**, 52 (2013) 15057–15065, **ACS**, (**Impact Factor: 2.84**) (**ISSN No: 1520-5045**) [DOI: 10.1021/ie401444b](https://doi.org/10.1021/ie401444b)

No. of Classes handled for IIT-JAM/CSIR/GATE Examinations: 65

Resource Person/Invited Lectures: 105

- 1) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2026) Programme”** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) in collaboration with Madras Christian College, Chennai and Abdul Kalam Vision India Movement held at Chemistry Seminar Hall, Madras Christian College, Chennai during 22.05.2026 to 23.05.2026.
- 2) Served as a Resource Person and delivered a guest lecture on **Organic Stereochemistry: Concepts and Applications** organized by Department of Chemistry (under the aegis of DBT Star College Scheme), GTN Arts College, Dindigul on 07.01.2026.
- 3) Served as a resource person and delivered a lecture (as a part of an extension activities) on **Career Opportunities for Chemistry Students**, Boiler Plant Boys' Higher Secondary School, Trichy on 09.01.2026.
- 4) Served as a resource person and delivered a lecture on **“Science that Shapes our Day”** organized by Department of Science & Humanities, Science & Humanities

Association of SIT, Sethu Institute of Technology, Kariappatti, Virudhunagar on 24.11.2025.

- 5) Delivered a guest lecture in **“Online Six-Day Orientation Lecture Series for NET/SET”** on the topic of Aromaticity organized by PG and Research Department of Chemistry, Seethalakshmi Ramaswami College, Trichy on 17.11.2025.
- 6) Delivered a guest lecture in Two-Day National Online Webinar on Nanomaterials and their Potential Applications on the title of **Green Chemistry Approach to Silver Nanoparticles: Synthesis, Characterization and Applications** organized by Department of Chemistry and Forensic Science, RBVRR Women’s College, Hyderabad on 06.10.2025.
- 7) Delivered a guest lecture on **Stereochemistry and Problem-Solving Approach** in the CSIR-NET/GATE/JAM special drive programme organized by the PG and Research Department of Chemistry, Thiagarajar College, Madurai on 29.09.2025.
- 8) Delivered a lecture in Online Coaching Programme 2025-2026 on **Organic Stereochemistry** organized by Centre for Technology Enhanced Learning (CTEL), Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 27th September 2025.
- 9) Delivered a lecture in Online Coaching Programme 2025-2026 on **Aromaticity for Competitive Examinations** organized by Centre for Technology Enhanced Learning (CTEL), Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 27th September 2025.
- 10) Served as a Chief Guest in the Inauguration of Chemistry Association and delivered a lecture on **“Biogenic Synthesis of Silver Nanoparticles and its Applications”** organized by PG Department of Chemistry, Arul Anandar College (Autonomous) Karumathur, Madurai on 18.07.2025.
- 11) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2025) Programme”** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) in collaboration with Madras Christian College, Chennai and Abdul Kalam Vision India Movement held at Chemistry Seminar Hall, Madras Christian College, Chennai during 01.06.2025 to 03.06.2025.

- 12) Delivered an online invited lecture on Bio-fabrication of Metal Nanoparticles and their Potential Applications in **International Conference on Recent Advances in Chemical Sciences and Environment**, organized by Dept. of Chemistry, Rajeev Gandhi Govt. Post Graduate College, Ambikapur, Chhattisgarh on 05.04.2025.
- 13) Delivered a lecture on **Recent Trends in Bio-fabrication of Metallic Nanoparticles and their Diverse Applications** in an **International Conference on Nano Solution for Infectious Diseases (NSID-2025)** organized by Muthayammal Memorial College of Arts and Science, Rasipuram, Namakkal on 12th March 2025.
- 14) Delivered a lecture on **TNSET/CSIR-NET Exam Paper I** in an Orientation Programme for TNSET/CSIR-NET Exam organized by PG and Research Department of Chemistry, Seethalakshmi Ramaswami College, Trichy on 05th March 2025.
- 15) Delivered a special lecture on **Training for Competitive Examinations in Chemistry for NET/UGC-CSIR** organized by School of Chemistry, Madurai Kamaraj University on 25th January 2025.
- 16) Served as Chief Guest in the Workshop on **Applications of Instruments and Hands-on-training** organized by G.T.N. Arts College (under DBT STAR College Scheme), Dindigul on 18th December 2024.
- 17) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2024) Programme** and delivered a lecture on **‘Nucleophilic Substitution Reactions for CSIR/GATE Exams’** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) on 10th December 2024.
- 18) Served as a Chief Guest in the **Chemistry Association-Alchemi** and delivered a lecture on **Nanotechnology for Advanced Engineering Applications** organized by Department of Chemistry, Velammal College of Engineering and Technology (Autonomous), Madurai on 09th December 2024.
- 19) Delivered an online guest lecture on **Conformational Analysis: Basic Concepts and Reactivity** organized by Department of Chemistry & Forensic Science, RBVRR Women’s College, Hyderabad on 24th November 2024.
- 20) Served as a resource person in NET/SET Exam Excellence -Lecture Series-Online and delivered a lecture on **Aromaticity Concept for CSIR/GATE/TRB**

Examinations and Basic Concepts in Organic Chemistry for Competitive Examinations organized by PG and Research Department of Chemistry, Seethalakshmi Ramaswami College, Trichy on 18th November 2024.

- 21) Delivered a lecture in Online Coaching Programme 2024-2025 on **Organic Reaction Mechanism-III** organized by Centre for Technology Enhanced Learning (CTEL), Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 27th October 2024.
- 22) Delivered a lecture in Online Coaching Programme 2024-2025 on **Organic Reaction Mechanism-II** organized by Centre for Technology Enhanced Learning (CTEL), Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 20th October 2024.
- 23) Delivered a lecture in Online Coaching Programme 2024-2025 on **Organic Reaction Mechanism-I** organized by Centre for Technology Enhanced Learning (CTEL), Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 19th October 2024.
- 24) Delivered a lecture in Online Coaching Programme 2024-2025 on **Aromaticity Concepts for Competitive Examinations-II** organized by Centre for Technology Enhanced Learning (CTEL), Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 13th October 2024.
- 25) Delivered a lecture in Online Coaching Programme on **Aromaticity Concepts for Competitive Examinations-I** organized by Centre for Technology Enhanced Learning (CTEL), Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 12th October 2024.
- 26) Served a resource person for the **Three-day Workshop on CSIR-UGC/NET/JRF/GATE – Problem solving strategies on chemical sciences-Tips & Tricks** organized by Department of Chemistry (SFS), Madras Christian College on 27th September 2024.
- 27) Served as Chief Guest in the **Special Lecture Programme** and delivered a lecture on **Bio-inspired Synthesis of Metal Nanoparticles and their Applications** organized by PG and Research Department of Chemistry, Seethalakshmi Ramaswami College, Trichy on 19th August 2024.

- 28) Served as a resource person in Guest Lecture Programme on **Awareness of Trends in Technology** and delivered a lecture on **Empower Your Learning through SWAYAM/NPTEL Online Courses** organized by Department of Physics, Vivekananda College on 05.07.2024.
- 29) Served as a chief guest in **Personality Development Programme** organized by Department of Commerce (CA), Vivekananda College on 28.06.2024.
- 30) Served as one of the Resource Persons in **“Chemistry Research Drive (CRD-2024) Programme** and delivered a lecture on **“How to Crack CSIR/GATE Examinations”** for **CSIR-NET/GATE aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) in collaboration with Abdul Kalam Vision India Movement, at Madras Christian College (MCC), Chennai, during 01st to 04th June 2024.
- 31) Served as a Resource Person in the **Inauguration of Green Chem-up Club** and delivered a lecture on **Internship and Career Opportunities for Chemistry Graduates** organized by Department of Chemistry, Govt. Arts College for Women, Nilakottai on 14th March 2024.
- 32) Served as Chief Guest in the **Inauguration of Chemistry Association** and delivered a **Motivational Lecture on Career Guidance for Chemistry Graduates** organized by Department of Chemistry, The Madura College, Dindigul on 28th February 2024.
- 33) Served as Chief Guest in the **Workshop on Preparation of Chemical Solutions** organized by G.T.N. Arts College (under DBT STAR College Scheme), Dindigul on 08th February 2024.
- 34) Served as Chief Guest in the **Cracking Competitive Exams-Lecture Series** and delivered a lecture on **Organic Stereochemistry for CSIR/GATE Examination** organized by PG and Research Department of Chemistry, Seethalakshmi Ramaswami College, Trichy on 22nd January 2024.
- 35) Served as Chief Guest in the **Inauguration of Chemistry Association** and delivered a lecture on **Job Opportunities for Chemistry Graduates** organized by Department of Chemistry, MVM Govt. Arts and Science College for Women, Dindigul on 19th December 2023.
- 36) Served as Chief Guest in the **Inauguration of Chemistry Association** and delivered a lecture on **Career Opportunities for Chemistry Graduates**

- organized by Department of Chemistry, Theni Kammavar Sangam College of Arts and Science, Theni on 20th October 2023.
- 37) Served as Chief Guest in the **Two Days Workshop on Fostering Skills to NET/SET Chemical Science Aspirants** organized by Department of Chemistry, Nadar Saraswathi College of Arts and Science, Theni on 04th October 2023.
- 38) Presented on **Job Opportunities in the Kaleidoscope** (A seminar on the common topic from the perspective of different subjects) organized by IQAC, Vivekananda College on 24th August 2023.
- 39) Served as Chief Guest in the **Soft Skills Development Programme** organized by Commerce Association, PG and Research Department of Commerce, Vivekananda College, Madurai on 10th August 2023.
- 40) Served as Chief Guest in the Inauguration of Chemistry Association and delivered a lecture on **Basic Organic Reactions for Competitive Examinations** organized by Department of Chemistry, Ayya Nadar Janaki Ammal College, Sivakasi on 06th July 2023.
- 41) Served as one of the Resource Persons in **“Chemistry Research Drive (CRD-2023) Programme** and delivered a lecture on **“Important Naming Reactions-II”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), at Vels Institute of Science, Technology and Advanced Studies, during 21st and 22nd June 2023.
- 42) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2023) Programme** and delivered a lecture on **“Important Naming Reactions-I”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), at Vels Institute of Science, Technology and Advanced Studies, during 29th May 2023.
- 43) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2023) Programme** and delivered a lecture on **“Reactive Intermediates-II”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) on 26th May 2023.
- 44) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2023) Programme** and delivered a lecture on **“Reactive Intermediates-I”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) on 25th May 2023.

- 45) Delivered a lecture on **"A Problem-solving Approach on Conformational Analysis"** organized by PG and Research Department of Chemistry, Seethalakshmi Ramaswami College, Trichy on 07th March 2023.
- 46) Delivered a lecture on **"Stereochemistry and Conformational Analysis"** in One Day Workshop on **"CSIR NET/SET/TRB Exams"** organized by PG and Research Department of Chemistry, The Standard Fireworks Rajaratnam College for Women, Sivakasi on 23rd January 2023.
- 47) Served as Chief Guest and delivered a lecture in One Day Workshop on **"Organic Spectroscopy Problems-Solving Tricks for Clearing CSIR and GATE Exams"** organized by PG Department of Chemistry, SDNB Vaishnav College, Chennai on 20th January 2023.
- 48) Served as Chief Guest and delivered a lecture in National Level Seminar on **"Chemistry Learning in Creative Knowledge"** organized by Department of Chemistry, Don Bosco College, Dharmapuri on 19th October 2022.
- 49) Served as one of the Resource Persons in **"Online Coaching Programme (2022-2023) for UGC-CSIR-JAM"** and delivered a lecture on **"Chemistry of Organic Reactive Intermediates-II"** for **IIT-JAM/CSIR/GATE aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 16th October 2022.
- 50) Served as one of the Resource Persons in **"CSIR Coaching Programme"** and delivered a lecture on **"Problems in Organic Reactive Intermediates"** for **CSIR/GATE aspirants** organized by Department of Chemistry, National College, Trichy on 16th October 2022.
- 51) Served as one of the Resource Persons in **"Online Coaching Programme (2022-2023) for UGC-CSIR-JAM"** and delivered a lecture on **"Chemistry of Organic Reactive Intermediates-I"** for **IIT-JAM/CSIR/GATE aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 09th October 2022.
- 52) Served as one of the Resource Persons in **"CSIR Coaching Programme"** and delivered a lecture on **"Problems in Aromaticity"** for **CSIR/GATE aspirants** organized by Department of Chemistry, National College, Trichy on 09th October 2022.

- 53) Served as one of the Resource Persons in **“Online Coaching Programme (2022-2023) for UGC-CSIR-JAM** and delivered a lecture on **“Concept of Aromaticity-II”** for **IIT-JAM/CSIR/GATE aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 01st October 2022.
- 54) Served as one of the Resource Persons in **“Online Coaching Programme (2022-2023) for UGC-CSIR-JAM** and delivered a lecture on **“Concept of Aromaticity-I”** for **IIT-JAM/CSIR/GATE aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 25th September 2022.
- 55) Served as Chief Guest and delivered a lecture on **“The Role of Chemistry in Day-to-day Life”** in the Inauguration of Chemistry Association organized by Department of Chemistry, National College, Trichy on 19th September 2022.
- 56) Served as Chief Guest and delivered a lecture on **“Molecular Rearrangement Reactions in Organic Chemistry”** organized by PG Department of Chemistry, Vivekanandha Arts and Science College for Women, Sankakiri, Salem on 13th September 2022.
- 57) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2022) Programme** and delivered a lecture on **“Important Oxidation Reactions”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) on 06th September 2022.
- 58) Served as Chief Guest and delivered a lecture on **“The Important Aspects of Asymmetric Synthesis”** in the Inauguration of Chemistry Association organized by Department of Chemistry, Arul Anandar College, Madurai on 30th August 2022.
- 59) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2022) Programme** and delivered a lecture on **“Important Naming Reactions and their Applications-02”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF) on 25th August 2022.
- 60) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2022) Programme** and delivered a lecture on **“Important Naming Reactions and their Applications-01”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), Chennai on 23rd August 2022.

- 61) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2022) Programme** and delivered a lecture on **“Conformational Analysis for CSIR and GATE Exams”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), Chennai on 10th August 2022.
- 62) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-2022) Programme** and delivered a lecture on **“Conformational Analysis for CSIR and GATE Exams”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), Chennai on 9th August 2022.
- 63) Served as Resource Person and delivered a lecture on **“CSIR-NET/GATE Coaching Class for PG”** in the Inauguration of Chemistry Association organized by PG Department of Chemistry, Bishop Heber College (Autonomous), Trichy on 02nd August 2022.
- 64) Served as one of the Resource Persons in **“Chemistry Research Drive (CRD-2022) Programme** and delivered a lecture on **“Conformational Analysis”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), Chennai held at VELS Institute of Science, Technology & Advanced Studies (VISTAS), Chennai on 29th July 2022.
- 65) Served as Resource Person and delivered a lecture on **Recent Advances in Biogenic Synthesis of Silver Nanoparticles (AgNPs) and their Applications** in National Conference on **“Science & Technology for Sustainable Development”** VELS Institute of Science, Technology & Advanced Studies (VISTAS), Chennai, 13th May 2022.
- 66) Served as Resource Person and delivered a talk on **“Hands-on-training programme on Preparation of Solutions”** organized by PG Department of Chemistry, Jamal Mohamed College (Autonomous), Trichy under DBT Star College Scheme during 21 and 22nd March 2022.
- 67) Served as Resource Person and delivered a talk on **“Stereochemistry-An Approach towards Problem Solving”** organized by PG Department of Chemistry, Sri Meenakshi Govt. Arts College for Women, Madurai on 04th March 2022.

- 68) Served as Resource Person in National Level Lecture Series for PG students in Chemistry and delivered a talk on **“Stereochemistry-An Overview”** organized by Taywade College and Guru Nanak College of Science, Maharashtra on 30th and 31st December 2021.
- 69) Served as Resource Person in webinar on **“Aromaticity Concepts for IIT-JAM, CSIR and GATE Examinations”** organized by Universal Intellectual Trust, Viluppuram on 20th December 2021.
- 70) Served as Resource Person in webinar on **“NET/SET Examination”** organized by Nanjil Catholic College of Arts and Science, Kanyakumari on 04th and 05st October 2021.
- 71) Served as one of the Resource Persons in **“Online Coaching Programme (2021-2022) for UGC-CSIR-JAM** and delivered a lecture on **“Organic Intermediates”** for **IIT-JAM/CSIR aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 1st August 2021.
- 72) Served as one of the Resource Persons in **“Online Coaching Programme (2021-2022) for UGC-CSIR-JAM** and delivered a lecture on **“Stereochemistry”** for **IIT-JAM aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 17th and 31st July 2021.
- 73) Served as one of the Resource Persons in **“Online Coaching Programme (2021-2022) for UGC-CSIR-JAM** and delivered a lecture on **“Aromaticity”** for **IIT-JAM-NET aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 18th and 25th July 2021.
- 74) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-21) Programme** and delivered a lecture on **“Naming Reactions and Rearrangements”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), Chennai on 14th and 16th July 2021.
- 75) Served as one of the Resource Persons in **“Online Chemistry Research Drive (CRD-21) Programme** and delivered a lecture on **“Conformational Analysis”** for **CSIR-NET aspirants** organized by Prof.Ramasubbu Jeyaram Science Foundation (RJSF), Chennai on 12th July 2021.
- 76) Served as one of the Resource Persons in **“Online Coaching Programme (2021-2022) for UGC-CSIR-JAM** and delivered a lecture on **“Naming Reactions”** for

- IIT-JAM aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 03rd and 10th July 2021.
- 77) Served as resource person and delivered national level one day webinar in Recent Research Trends in Chemistry on **"Electropolymerization"** organized by Departemnt of Chemistry, Sri Manakula Vinayagar Engineering College, Puducherry on 11th May, 2021.
- 78) Served as resource person and delivered national level webinar on **"Stereochemistry - A Special focus towards CSIR/NET/SET Examination"** organized by IQAC, RBVRR Women's College, Hyderabad on 01st April, 2021.
- 79) Served as resource person and delivered national level webinar on **"e-Content Development Tools and Techniques"** organized by IQAC, RBVRR Women's College, Hyderabad on 8th January, 2021.
- 80) Served as one of the Resource Persons in **"Weekend Online Coaching Programme for CSIR-NET and IIT-JAM (2020-2021)"** and taken a class on the topic **"Common Named Reactions and Rearrangements"** for **IIT-JAM aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 01st and 08th November 2020.
- 81) Served as one of the Resource Persons in **"Weekend Online Coaching Programme for CSIR-NET and IIT-JAM (2020-2021)"** and taken a class on the topic **"Aromaticity"** for **CSIR-GATE aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 11th October 2020.
- 82) Served as one of the Resource Persons in **"Weekend Online Coaching Programme for CSIR-NET and IIT-JAM (2020-2021)"** and taken a class on the topic **"Stereochemistry"** for **IIT-JAM aspirants** organized by Ayya Nadar Janaki Ammal College, Sivakasi on 04th October 2020.
- 83) Served as Resource Person in one week online workshop and National FDP on E-content Learning Skill Development Programme on **Google form and quiz & Testmoz-Demonstration** organized by Thiruvalluvar College Papanasam, Tirunelveli, on 17th and 18th July 2020.
- 84) Served as Resource Person in **"Skill Development Programme on CSIR/GATE/SET/IIT-JAM Exam"** and taken a class on **"Organic Reagents"** conducted by NGM College of Arts and Science College, Pollachi during 08.07.2020 to 13.7.2020.

- 85) Served as resource person and delivered a talk in National Online FDP on **"Online Demonstration of Free Quiz"** organized by Hindusthan College of Arts and Science, Coimbatore on 04th July 2020.
- 86) Served as resource person and delivered a webinar on **"Online Demonstration of Google Classroom and Customization of Certify'em"** organized by Guru Nanak College on 26th June 2020.
- 87) Served as resource person and delivered a talk in Online International FDP on **"Asymmetric Synthesis: An Overview"** organized by Dr.N.G.P Institute of Technology, Coimbatore on 15th June 2020.
- 88) Served as resource person and delivered a Webinar on **" Career Opportunities for Chemistry Graduates"** organized by SNMV College of Arts and Science, Coimbatore on 11th June 2020.
- 89) Served as resource person and delivered a Webinar on **" Role of Chemistry in Everyday Life"** organized by VELS Institute of Science, Technology & Advanced Studies, Chennai on 08th June 2020.
- 90) Served as resource person and delivered a Webinar on **"Chemoselective Reactions for Competitive Exams"** organized by Nadar Saraswathi College of Arts and Science, Theni on 05th June 2020.
- 91) Served as resource person and delivered a talk in National Online FDP on **"How to make an interactive free online quiz"** organized by Hindusthan College of Arts and Science, Coimbatore on 04th June 2020.
- 92) Served as resource person and delivered a talk in webinar on **"Asymmetric Synthesis: An art of organic synthesis"** organized by Holy Cross College, Trichy on 03rd June 2020.
- 93) Served as resource person and delivered a talk in national webinar on **"ICT Tools for College Teachers"** on the topic of **"Creation of Free Online Quiz and MCQ"** organized by Seth Kesarimal Porwal College of Arts and Science and Commerce, Nagpur, Maharashtra on 29th May 2020.
- 94) Served as resource person and delivered webinar on the topic **"Development of Educational Videos"** organized by Stella Centre for Effective Education and Development (SCEED), Stella Maris College, Chennai on 25th May, 2020.
- 95) Served as resource person and delivered webinar on the topic **"Research-Scientific thinking with Academic Integrity"** organized by Stella Centre for

- Effective Education and Development (SCEED), Stella Maris College, Chennai on 22nd May, 2020.
- 96) Served as resource person and delivered national level webinar on the topic **"Organic Reagents for CSIR/GATE/IIT-JAM AND TIFR Exams"** organized by Department of Chemistry, RBVRR Women's College, Hyderabad on 21st May, 2020.
- 97) Served as resource person and delivered national level webinar on the topic **"Organic Reagents for Competitive Examinations"** organized by Department of Chemistry, GTN Arts College, Dindigul on 12th May, 2020.
- 98) Served as resource person and delivered national level webinar on the topic **"Principle and Applications of Electronic Spectroscopy"** organized by Department of Chemistry, Annai College of Arts and Science, Kumbakonam on 07th May, 2020.
- 99) **'Handled NET-CSIR/GATE Coaching Class for PG Students** organized by the Department of Chemistry, Sri Meenakshi Government Arts College for Women, Madurai on 13th February 2020.
- 100) Served as Resource Person and given a **"Hands-on Training on e-Content Development"** for Faculty Members organized by Gobi Arts and Science College, Gobichettipalayam, Erode during 10th and 11th February, 2020.
- 101) Delivered a lecture on **Research Methodology** for PG, M.Phil, Ph.D., scholars in One Day Workshop organized by Research Cell, Sri Sarada College for Women, Salem on 25th January 2020.
- 102) Handled **NET-CSIR Coaching Class for PG Students** organized by the Department of Chemistry, Sri Sarada College for Women, Salem on 25th January 2020.
- 103) Served as Resource Person and given a **Hands-on Training on e-Content Development** for Faculty Members in **Faculty Enrichment Programme** organized by Vivekananda College, Madurai on 21st January, 2020.
- 104) Served as Resource Person and Delivered a lecture in **Second State Level Preparative Workshop in Chemistry for the IIT JAM-2020 Aspirants (WSJAM-2019)** organized by the Department of Chemistry, St. Joseph's College (Autonomous), Tiruchirapalli on 29th November 2019.

- 105) Handled **NET-CSIR Coaching Class for Scholars and Students** organized by the Department of Chemistry, Gandhigram Rural Institute-DU, Gandhigram on 08th December 2019.

Papers Presented in International / National Conferences - 18

- 1) **G. Rajkumar**, K. Azhagumahendran, S. Dhanushpandi, G. Gopinath and C. Harish, Greener Synthesis of Silver Nanoparticles (AgNPs) using *Gymnema sylvestre* Aqueous Leaf Extract through Microwave-assisted Method for Antibacterial Activities, **International Conference on Materials for Green and Sustainable Chemistry (ICMGS)-2025** organized by Department of Chemistry, Gandhigram Rural Institute-DTBU, Gandhigram during 06th and 07th March 2025.
- 2) **G. Rajkumar** and R. Ragul, Microwave-assisted rapid greener synthesis, characterization and activities of silver nanoparticles (AgNPs) using black cumin seed extract, **One Day International Conference on Recent Trends in Chemistry & Energy Science" (RTCES)** organized by Saraswathi Narayanan College, Madurai, p.48 on 13th September 2024. (ISBN & Code : 978-93-92560-76-7)
- 3) M.V. Saikumar, **G.Rajkumar** and M.G.Sethuraman "An electrochemical study on the corrosion protection of copper surface using self-assembled films of 5-(Methylthio)-1,3,4-thiadiazole-2-thiol" in International Conference on Research Initiatives in Chemistry for Sustainable Development (RICS), Gandhigram Rural Institute-Deemed to be University, Gandhigram, p.228, during 18th & 19th March 2019. (ISBN: 978-93-86712-63-9)
- 4) T. Srinivasan, **G. Rajkumar** and M.G. Sethuraman "A poly-3-amino-1,2,4-triazole/ ZnO composite coating on Cu-Ni (90/10) alloy for corrosion inhibition" in International Conference on Research Initiatives in Chemistry for Sustainable Development (RICS), Gandhigram Rural Institute-Deemed to be University, Gandhigram, p.250, during 18th & 19th March 2019. (ISBN: 978-93-86712-63-9)
- 5) **G. Rajkumar**, K. Vinothkumar and M.G. Sethuraman, "Anti-corrosion properties of self-assembled monolayers of thiadiazole derivative on copper", in International Conference on Modern Trends in Chemistry (MTC-25)", Vivekananda College, Tiruvedakam West, p.13 on 23rd February 2018. (ISBN: 978-81-933998-6-6)

- 6) K.Vinothkumar, **G. Rajkumar** and M.G. Sethuraman, "Fabrication of SAMs of thiadiazole derivative on Cu-Ni (90/10) alloy for protection from corrosion" in National Conference on Recent Advances in the Applications of Macromolecular Materials (RAAMM -2017), Gandhigram Rural Institute (DU), Gandhigram, during 02 & 03rd March 2017.
- 7) **G. Rajkumar**, M. Ragu, M. Ganesan, T. Rajendran and V.K. Sivasubramanian, Corrosion Inhibition of Mild Steel in 0.5 M H₂SO₄ Medium by p-nitrobenzaldehyde-p-phenylenediamine Schiff Base, International Conference on Recent Advances in Materials and Chemical Sciences (ICRAMCS-2015), Gandhigram Rural Institute (DU), Gandhigram, during 14 & 15th December 2015.
- 8) **G. Rajkumar** and M.G. Sethuraman, Modification of copper surface by self-assembled films of 2-amino-5-mercapto-1,3,4-thiadiazole for its corrosion protection, Corrosion Awareness Day (CAD-2015), Gandhigram Rural Institute (DU), Gandhigram, p.1.39, on 17th April 2015.
- 9) **G. Rajkumar** and M.G. Sethuraman, Study of the protection performance of 4-methyl-4H-1,2,4-triazole-3-thiol monolayers on copper, National Conference on Recent Advances in Chemical Sciences- RACS 2014, Gandhigram Rural Institute (DU), Gandhigram, p.53, during 05 & 06th March 2015.
- 10) Susanti Prithika Vijaykumar, **G. Rajkumar** and M.G. Sethuraman, Robust method of biogenic preparation of silver nanoparticles (AgNPs) using *Garcinia mangostana*, National Conference on Advances and Innovations in Chemical Sciences (NCAICS-2015), University of Mumbai, during 12 & 13th February, 2015.
- 11) **G. Rajkumar** and M.G. Sethuraman, The modification of copper surface by self-assembled 3-mercapto-1H-1,2,4-triazole thin films for its corrosion protection, International Conference on "Chemistry and Materials" (ICCM 2014), Anna University, Trichy, p. 22, Nov. 14-15, 2014 (ISBN: 978-93-81521-49-6).
- 12) **G. Rajkumar** and M.G. Sethuraman, Corrosion protection of poly-3-amino-5-mercapto-1,2,4-triazole films on copper, The Seventeenth National Congress on Corrosion Control, NCCI, CSIR-CECRI, Karaikudi, p.103, during 21-23rd August 2014.
- 13) T. Srinivasan, **G. Rajkumar** and M.G. Sethuraman, Enhanced corrosion protection of poly-3-amino-5-mercapto-1,2,4-triazole/TiO₂ composite on

aluminium, The Seventeenth National Congress on Corrosion Control, NCCI, CSIR-CECRI, Karaikudi, p.80, during 21-23rd August 2014.

- 14) **G. Rajkumar**, R. Sagunthala and M.G. Sethuraman, Protection of copper through self-assembled monolayer of 4-aminothiophenol, International Conference on Electrochemical Science and Technology-2014, IISc Bangalore, p.94, during 07-09, August 2014.
- 15) **G. Rajkumar** and M.G. Sethuraman, A novel composite coating for the corrosion protection of copper in 3.5% NaCl medium, International Corrosion Prevention Symposium – CORSYM 2014, IIT-Bombay, during 20-21th Feb., 2014.
- 16) T. Srinivasan, **G. Rajkumar** and M.G. Sethuraman, Corrosion protection ability of poly-3-amino-1,2,4-triazole+TiO₂ composite on aluminium in 3.5% NaCl medium, International Corrosion Prevention Symposium – CORSYM 2014, IIT-Bombay, during 20-21th Feb., 2014.
- 17) **G. Rajkumar** and M.G. Sethuraman, Self-assembled monolayer of 3-amino-5-mercapto-1,2,4-triazole on copper and its corrosion protection in 1% NaCl solution, Recent Advances in Surface Science (RASS-2013), Gandhigram Rural Institute (DU), Gandhigram, p.246, during 14 & 15th February 2013.
- 18) N.S. Nagarajan and **G. Rajkumar**, A study on phenolic mordants for vegetable dyeing, The Fiber Society 2011 Spring Conference, The Hong Kong Polytechnic University, Hong Kong, p.271, during 23-25th May 2011.

SWAYAM-NPTEL Courses Completed:

Sl.No.	Name of the Course	Duration	Percentage	Type of Certificate
1.	Basics in Inorganic Chemistry	4 Weeks (Jan.-Feb., 2022)	83	Elite with Silver (Topper)
2.	Bioinorganic Chemistry	4 Weeks (Aug.-Sep., 2019)	97	Elite with Gold (Topper)
3.	Stereochemistry	8 weeks (July-Sep., 2019)	69	Elite
4.	Coordination Chemistry	12 Weeks (July-Oct., 2019)	75	Elite with Silver

Number of e-Contents Developed: 25

<https://www.youtube.com/c/DrRajkumarGanesan>

Online Activities:

Number of National Webinars Participated	40
Number of International Webinars Participated	5
Online FDP Attended	28
MOOC Courses Completed	3
Online Courses Completed	10

Teaching / Learning / e-Content Development Workshop Attended:

- 1) Participated in Ten Days Workshop on “**Teaching-Learning and Evaluation for Faculty Members of Higher Educational Institutions (HEIs)**” held at Central University of Rajasthan (CURaj), Bandarsindri, Rajasthan during 04th to 14th November, 2019.
- 2) Participated and received “**Best Observer**” award in “**A Five Day Capacity Building Programme on e-Content Development**” organized by Centre for Teacher Resource and Academic Support, School of Education under the MHRD project held at Manonmaniam Sundaranar University, Tirunelveli during 15-19, July, 2019.

Field of Interest – **TEACHING:**

- ❖ Organic Chemistry
- ❖ Inorganic Chemistry

Fellowships Received:

- ❖ Awarded **Summer Research Fellowship 2016** sponsored by Indian Academy of Sciences IAS, INSA, NASI in **National Chemical Laboratory (NCL), Pune** under Dr.K. Krishnamoorthy, 18th April 2016 to 12th June 2016.
- ❖ **Senior Research Fellowship (SRF)** of UGC-BSR, New Delhi, from March, 2014 to July, 2015.
- ❖ **Junior Research Fellowship (JRF)** of UGC-BSR, New Delhi, during March 2012- March 2014.

Awards Received:

- ❖ “**Swami Vivekananda Award**” for having been conferred Doctorate Degree in 45th College Day Celebrations, 2016.
- ❖ “**Swami Chidbhananda Appreciation Award**” for having been selected “Summer Research Fellowship Programme” sponsored by Science Academies of India (IISc, INSA and NASI) on 45th College Day Celebrations, 2016.

- ❖ Recipient of **Gold Medal** in B.Sc., Chemistry, 2006.
- ❖ **Fr. Mathew J. Model Medal** for outstanding performance in B.Sc., Chemistry.
- ❖ **Thiru AC Joseph Medal** for securing First Rank in B.Sc., Chemistry.
- ❖ **Shri KG Ramani Endowment Cash Award** in B.Sc., Chemistry.
- ❖ **Fr. Cam Boulives SJ Medal (Sri Sriram Iyer)** for First Prize in Major, B.Sc., Chemistry.
- ❖ **Thiru Govinda Rao Medal** for Chemistry Staff and Students in B.Sc., Chemistry.

Achievements / Honors:

- ❖ Served as a **Judge in Oral Presentation in PETALS-2026** (an inter collegiate student meet) organized by Department of Botany, Vivekananda College on 21.01.2026.
- ❖ Served as the Chairperson for the Paper Presentation session (online) at the **Two-Day International Conference on Chemistry Innovation: Current Developments, Challenges and Future Perspectives (ICCI'25)** organized by the PG & Research Department of Chemistry, Bishop Heber College, Trichy, St. Joseph's College, Trichy and Christ College, Thrissur, Kerala held on 16.09.2025.
- ❖ Served as a **Subject Expert in Board of Studies (BOS)** meeting held at SDNB Vaishnav College, Chennai on 05.06.2025.
- ❖ Received **Young Researcher Award-2020** from Institute of Scholars (InSc), Bengaluru.
- ❖ Selected to **CSIR- Online Summer Research Training Programme (SRTP-2020)** under the guidance of Dr. Rajeev Sakhuja, Associate Professor, Birla Institute of Technology & Science (BITS), Pilani, Rajasthan during June-August, 2020.
- ❖ Received **"Best Observer"** award in **"A Five-Day Capacity Building Programme on e-Content Development"** organized by Centre for Teacher Resource and Academic Support, School of Education under the MHRD project held at Manonmaniam Sundaranar University, Tirunelveli during 15-19, July, 2019.
- ❖ Served as a **Judge for "School Science Exhibition"** at Sri Sarada Vidyavanam Girls Matriculation Higher Secondary School during 05 & 06th February 2016.
- ❖ **Special Invitee for Board of Studies (BoS) meeting** in Gandhigram Rural

Institute, Gandhigram.

- ❖ Selected to attend a **Seventh Science Conclave** (A Congregation of Nobel Laureates) at IIT-Allahabad, Dec. 08–12, 2014.
- ❖ Awarded **Best Oral Presentation and Cash Award** in International Corrosion Prevention Symposium – CORSYM, IIT-Bombay, during Feb. 20-21, 2014.
- ❖ Selected to attend a **Second Science Conclave** (A congregation of Nobel laureates) at IIT-Allahabad, Dec. 08–14, 2010.
- ❖ Selected to attend a "**Summer Training Programme in Chemistry (STPIC)-2010**" Conducted by University of Madras, Chennai, 31.05.2010 to 18.06.2010.
- ❖ **Second place winner in Bournvita Quiz Contest Intra - School Quiz** 2001 in St. Joseph's College Higher Secondary School, Aug., 27, 2001.

Orientation/Refresher Course Attended:

- ❖ **Online Refresher Course in Chemistry** conducted by UGC-MMTTC, University of Allahabad, Prayagraj, Uttar Pradesh from 31.10.2025 to 13.11.2025.
- ❖ **Online Refresher Course in Chemistry** conducted by UGC-HRDC, University of Mumbai, Mumbai from 22.11.2023 to 05.12.2023.
- ❖ **Two Weeks Online Refresher Course in Chemistry** conducted by UGC-HRDC, University of Hyderabad, Hyderabad from 08.11.2021 to 20.11.2021.
- ❖ **Online Refresher Course in Chemistry for Higher Education-2019**, SWAYAM-NPTEL. (Roll No: ARP20101983)
- ❖ **Refresher Course in Chemistry** conducted by UGC-HRDC, Bharathidasan University, Trichirappalli from 20.09.2019 to 03.10.2019.
- ❖ **103rd Orientation Programme** conducted by UGC-HRDC, Bharathidasan University, Trichirappalli from 18.05.2018 to 14.06.2018.

FDP Attended:

- ❖ Attended 5 Days National Level Faculty Development Programme (virtual) on "**AI Applications in Chemistry for Research and Development**" organized by Dept. of Chemistry & IQAC, Shadan Degree College for Women, Hyderabad, in Association with A.C.T Academy, Palakkad, Kerala from 28.11.2025 to 03.12.2025.

- ❖ Attended National Level Virtual Faculty Development Programme (FDP) on **Artificial Intelligence for Teaching Pedagogy** organized by IQAC and IIC, Seshadripuram Degree College, Mysuru on 06.09.2025.
- ❖ Attended One Day Online Faculty Development Program on **“AI Tools for Teachers”** jointly organized by Pencilbitz and IQAC, Chaithanya Bharathi Institute of Technology, Andhra Pradesh on 30.08.2025.
- ❖ Attended **Five-Day International Online Faculty Development Program** on **“AI-Driven Innovations for Chemistry, Education and Research”** jointly organized by School of Physical Sciences and PG & Research Department of Chemistry, Holy Cross College (Autonomous), Trichy during 04.08.2025 to 08.08.2025.
- ❖ Attended a **National Level Capacity Building Programme (Online)** organized by A.C.T. Academy, Kerala on 29.06.2025.
- ❖ Attended Six-Day Online Faculty Development Program on **“Smart and Sustainable Materials: Advances in Materials Chemistry for Global Challenges”** jointly organized by Faculty of Engineering and Technology, Department of Chemistry, SRM Institute of Technology and Society for Advancement in Chemical Sciences and Education (SACSE), IGCAR, Kalpakkam during 21.06.2025 to 26.06.2025.
- ❖ Participated in FDP on **Emerging Trends in Basic and Applied Sciences** organized by PG and Research Department of Chemistry held on 13th March 2024.
- ❖ Participated in FEP on **Digital Technologies in Teaching and Learning** organized by PG and Research Department of Zoology held on 12th March 2024.
- ❖ **SWAYAM-NPTEL-FDP**, Bioinorganic Chemistry, 4 Weeks (Aug.-Sep., 2019).
- ❖ **SWAYAM-NPTEL-FDP**, Coordination Chemistry, 12 Weeks (July-Oct., 2019).
- ❖ Participated in the **“Faculty Development Programme on Entrepreneurship Promotion in Educational Institutions”** organized by the PMO-IEDP (Programme Monitoring Office-Innovation and Entrepreneurship Development Programme) from 16th to 18th September 2019 at Thiagarajar College of Engineering, Madurai.

Conferences / Seminars / Symposium Attended -11

- 1) Participated in International Conference on Sustainable Nano and AI Linked Innovations for Next-Gen Healthcare (SNAIL-2026) organized by Department of Chemistry, Fatima College, Madurai on 28.01.2026.
- 2) Participated and presented a paper entitled **“The Role of Antioxidant Phytochemicals for the Prevention of Diseases”** in the KALEIDOSCOPE organized by IQAC, Vivekananda College on 17th September 2021.
- 3) Participated in **International Seminar on Recent Advances in Chemical Research-2021** organized by the Department of Chemistry, Presidency College, Chennai on 22.12.2021.
- 4) Participated State Level Seminar on **“Recent Trends in Chemistry”** organized by Fatima College, Madurai on 28th September 2018.
- 5) A Two-Day National Workshop On **“Training of Trainers: Becoming Effective Teachers and Trainers”** conducted by Web Enhancement and Public Relations Office (WEPRO), Loyola College, Chennai during 20 and 21st April 2018.
- 6) One Day National Level Seminar on **“Modern Trends in Chemistry (MTC-24)”** conducted by the Department of Chemistry, Vivekananda College, on 09th March 2017.
- 7) Participated State Level Conference on **“Current Innovations of Chemistry in Medicine”** conducted by the Department of Chemistry, V.V. Vanniaperumal College for Women, Virudhunagar, on 27th January 2017.
- 8) One Day State Level Seminar on **“Expanding Frontiers in Chemistry (EFC-16)”** conducted by the Department of Chemistry, Arul Anandar College, Karumathur on 23rd September 2016.
- 9) One Day National Level Seminar on **“Modern Trends in Chemistry (MTC-23)”** conducted by the Department of Chemistry, Vivekananda College on 16th July 2016.
- 10) One Day National Level Seminar on **“Modern Trends in Chemistry (MTC-22)”** conducted by the Department of Chemistry, Vivekananda College, on 28th March 2016.

- 11) “A National Level Symposium HORIZON-2015 on Innovative Catalysis” at National Institute of Technology (NIT), Trichy, during 11 and 12th September, 2015.

Workshops / Hands-on-Training Programme Attended - 21

- 1) Attended **NPTEL SPOC Felicitation Workshop** organized by IIT-Madras on 31.01.2026.
- 2) Attended **NPTEL SPOC Felicitation Workshop** held at IIT Madras on 05.07.2025.
- 3) Attended a **National Level Capacity Building Programme (Online)** organized by A.C.T. Academy, Kerala on 29.06.2025.
- 4) Attended a Workshop on **Nano Jatha** (Lecture Series, Roadshow and Exhibition) held at SASTRA (Deemed to be University), Tanjore on 06.07.2024.
- 5) **NPTEL-SPOC Felicitation Workshop** at IIT Chennai on 25th June 2022.
- 6) Attended Two Days In-Service Training Programme organized by TANSCHIE at Sri Meenakshi Govt. Arts College for Women, Madurai during 05th to 06th May 2022.
- 7) Participated in Ten Days Workshop on “**Teaching-Learning and Evaluation for Faculty Members of Higher Educational Institutions (HEIs)**” held at Central University of Rajasthan (CURaj), Bandarsindri, Rajasthan during 04th to 14th November, 2019.
- 8) Participated and received “Best Observer” award in “**A Five Day Capacity Building Programme on e-Content Development**” organized by Centre for Teacher Resource and Academic Support, School of Education under the MHRD project held at Manonmaniam Sundaranar University, Tirunelveli during 15-19, July, 2019.
- 9) Attended Hands on Training Programme in the “**Interpretation of Electrochemical Impedance and TEM Data**” organized by Lady Doak College, Madurai on 24th January 2019.
- 10) Workshop on “**Bioinformatics and Cheminformatics Tools for Science**” conducted by, School of Biotechnology, MKU, Madurai on 22nd December 2017.
- 11) One day user awareness programme on “**Access to E-resource under UGC-INFONET Digital Library Consortium**” conducted by INFLIBNET Centre- Ahmedabad, Gandhigram, on 13th February 2015.

- 12) One day workshop on **"Copyrights and Anti-plagiarism"** conducted by Gandhigram Rural Institute, Gandhigram, on 09th January 2015.
- 13) National Workshop on **"Fundamentals and Applications of Catalysis"** organized by Royal Society of Chemistry (RSC) in Gandhigram Rural Institute, Gandhigram, on 17th October 2014.
- 14) Science Academies Lecture Workshop on **"Advances in Chemistry"**, Gandhigram Rural Institute, Gandhigram, during 06-07th September 2013.
- 15) NRB Research Dissemination Workshop on **"Titanium Matrix Composites"**, Department of Metallurgical and Materials Engineering, **IIT-Madras**, 30th August 2013.
- 16) Science Academies Lecture Workshop on **"Advances in Chemistry"**, Madurai Kamaraj University, Madurai, during 26-27th July 2013.
- 17) National Workshop on **"Intellectual Property and Innovation Management in Knowledge Era"** Gandhigram Rural Institute, Gandhigram, conducted by **National Research Development Corporation (NRDC), New Delhi**, on 17th October 2012.
- 18) National Workshop on **Career Guidance** at Gandhigram Rural Institute, Gandhigram, on 02nd February 2011.
- 19) National Workshop on **Indian Nuclear Power Programme (WIN-2010)** at Sree Sevugan Annamalai College, Devakottai, during 26-27th July 2010.

Field Visit / Industry Visit / Institutional Visit:

- 1) Visited Indian Institute of Science Education and Research (IISER), Thiruvananthapuram, Kerala (as a part of Institutional Visit) during 23.01.2026 to 24.01.2026.
- 2) Visited Ramco Cements Limited Factory, Virudhunagar as a part of Factory Visit along with I B.Sc., Chemistry, I B.Sc., Chemistry and Certificate Course students on 29.08.2025.
- 3) Visited SNP Dairy Milk, Ayyankottai as a part of Field Visit along with I B.Sc., Chemistry students on 01.07.2025.

NSS Related Activities:

- 1) Participated in the Awareness Rally on **International Day against Drug Abuse and Illicit Trafficking** at Sholavanthan on 26th June 2023.
- 2) Attended the **Special Medical Camp** under Chief Minister's Comprehensive Health Insurance Scheme held at Ayyapanaickanpatti organized by Govt. of Tamil Nadu on 24th June 2023.
- 3) Organized and attended **Five Day NSS Camp** at Kunthukal, Vivekananda Memorial, Rameshwaram from 11.05.2023 to 15.05.2023.
- 4) Organized **Seven Day Special Camp** at Rishabam, Vadipatti from 23.03.2023 to 29.03.2023.
- 5) Organized **Three Day NSS Camp** at Ponperumalmalai, Vadipatti during 09.12.2022 to 11.12.2022.
- 6) Attended **NSS Programme Officer's Meeting** at Madurai Kamaraj University on 25th August 2022.
- 7) Participated in **Online National Voter Awareness Quiz Contest** conducted by Election Commission of India on 29.03.2022.
- 8) Attended **Three days Training Programme on Psychosocial Care during COVID-19** organized by the Centre of Disaster Management, Dept. of Environmental Studies, Madurai Kamaraj University at CSI Jeyaraj Annapackiam College of Nursing and Allied Sciences, Madurai from 24.03.2022 to 26.03.2022.
- 9) Participated in **Online Human Rights Awareness Workshop** organized by Ministry of Youth Affairs and Sports and Regional Directorate of NSS on 17.02.2022 at 3.00 pm.
- 10) Participated in rally from Mariamman temple to Sholavanthan bus stand on **International Day for Disaster Risk Reduction** on 13.10.2021.
- 11) Actively participated in **COVID-19 vaccination camp**.

Programs Organized:

- ❖ **Organizing Secretary**, Guest Lecture Programme organized by Postgraduate and Research Department of Chemistry, Vivekananda College on 08.12.2025.
- ❖ **Organizing Secretary**, "Five Day Workshop on CSIR-NET & GATE Coaching for Budding Chemists" held during 14.07.2025 to 18.07.2025.
- ❖ **Organizing Secretary**, Faculty Exchange Programme on 04.07.2025.

- ❖ **Convener, SWAYAM-NPTEL** Orientation Programme for I Year Students on 01.07.2025.
- ❖ **Organizing Secretary**, International Guest Lecture Programme on React with Chemistry and rise your life on 20.06.2025.
- ❖ **Organizing Secretary**, International Guest Lecture Programme on Chemistry: Your Next Great Adventure on 19.06.2025.
- ❖ **Organizing Secretary**, National Level Five-Day Online Faculty Development Programme on “Modern Trends in Chemical Sciences” from 26.05.2025 to 30.05.2025.
- ❖ **Convener**, Online Lecture on NMR Spectroscopy (as a part of MoU activities), 26th December 2024.
- ❖ **Convener**, Student Development Programme (under DBT STAR College Scheme), 25th March 2024.
- ❖ **Convener**, Faculty Development Programme on Emerging Trends in Basic and Applied Sciences, (under DBT STAR College Scheme), 13th March 2024.
- ❖ **Convener**, Online Seminar on Group Theory (as a part of MoU activities), 25th September 2023.
- ❖ **Treasurer**, SYNTHON-003 (Interdepartmental Competition), 03rd February 2023.
- ❖ **Convener**, Online Student Development Programme on Computational Chemistry, 21st July 2022.
- ❖ **Convener**, Online Faculty Development Programme on Computational Chemistry, 25th March 2022.
- ❖ **Convener**, Faculty Enrichment Programme on Catalysis and Stereochemistry (under UGC-CPE grant), 29th March 2021.
- ❖ **Convener**, One Day Faculty Enrichment Programme on Emerging Fields in Chemical Sciences (under UGC-CPE grant), 22nd March 2021.
- ❖ **Convener**, Online Student Development Programme (SDP), 30th July 2020.
- ❖ **Convener**, One Day International Webinar, 28th July 2020.
- ❖ **Coordinator**, One Day International Seminar on Modern Trends in Chemistry (MTC-26) (under UGC Autonomy grant), 27th February 2020.
- ❖ **Treasurer**, SYNTHON-002 (Interdepartmental Competition), 3rd February 2023.

- ❖ **Organizing Secretary**, SYNTHON-002 (Interdepartmental Competition), 5th February 2020.
- ❖ **Organizing Secretary**, SYNTHON-001 (Interdepartmental Competition), 15th March 2019.

Extra-curricular Activities:

- ❖ Participated in "**Paryatan Parv 2019 Quiz**" on 25th October 2019, conducted by Ministry of Tourism, India.
- ❖ Participated in online "**Science Quiz**" on 25th October 2019, conducted by Department of Science and Technology (DST) and Vigyan Prasar, India.
- ❖ Active member, National Service Scheme (NSS), 2006-2009.
- ❖ Actively participated in **Social Awareness towards Humanity**, Jan., 24, 2008.
