

Name: Dr. Ramaraju Korivi

Qualifications: B. Sc., M. Sc., Ph. D. in Chemistry, TS-SET 2018, GATE

Professional Experience: 12 Years

Email: ramarajukorivi@gmail.com

Mobile: +91-9949259639

Professional Profile Links:

Google Scholar: <https://scholar.google.com/citations?hl=en&user=xA1OZZMAAAAJ>

ORCID: <https://orcid.org/0000-0002-6631-7508>

Web of Science/Publons Researcher ID: **GMW-7821-2022**

Scopus ID: **57817961200**

LinkedIn: <https://www.linkedin.com/in/dr-ramaraju-korivi-5b667925b/>

Educational Qualifications:

- Ph.D. in Chemistry (2020-2025) from SRM University-AP, Amaravati Andhra Pradesh.
- M. Sc. in Chemistry (2007-09) from Osmania University Hyderabad, Telangana.
- B. Sc. in Chemistry and Biology (2004-07) from Kakatiya University Hanumakonda, Telangana.
- Intermediate (Bi. P. C.) (2002-04) from APSWRJC Jangaon, Telangana
- SSC (2002) from ZPSS Thatikonda, Ghanpur Station, Telangana.

Professional Background:

- Working as an Assistant Professor and Head, Department of Chemistry **ACE Engineering College, Hyderabad**. From 03-06-2026 to till date.
- Worked as an Assistant Professor in the Department of Chemistry **ACE Engineering College, Hyderabad**. From 10-02-2025 to 02-06-2026.
- Worked as an Assistant Professor and Head, Department of Chemistry in **Vaagdevi College of Engineering, Warangal**. From 02-07-2012 to 31-12-2019.
- Worked as an Assistant Professor of chemistry in **Vaagdevi Engineering College, Warangal** from 10-09-2009 to 30-06-2012.

Other Academic Responsibilities:

- Member in College Academic Council (CAC), ACE Engineering College (Autonomous), Hyderabad.
- Member in **BOS** Chemistry, ACE Engineering College (Autonomous), Hyderabad
- Member in **IQAC**, ACE Engineering College (Autonomous), Hyderabad
- Co-Ordinator **R&D**, ACE Engineering College (Autonomous), Hyderabad

- Member in College Academic Council (CAC), Vaagdevi College of Engineering, Warangal.
- Chairman, **Board of Studies**, Department of Chemistry, Vaagdevi College of Engineering, Warangal.
- Member in **BOS** Chemistry, Vaagdevi College of Engineering, Warangal.

Memberships in Professional Bodies:

1. Life Time Member in CRSI (Chemical Research Society of India)
2. Community Member in American Chemical Society (ACS)
3. Life Time Member in ISTE (Indian Society for Technical Education)
4. Life Time Member in IHERN (India Higher Education Research Network)

Achievements:

- Received **Gold-Medal** for the research article presentation in Research Scholars' Summit-2024 held at SRM University-AP.
- Received **Gold-Medal** for the research article presentation in research day at SRM University-AP, in 2022.
- Received **BEST ORAL PPRESENTATION** award at JNTUH-Hyderabad (International Conference), December-2022
- Received **BEST ORAL PPRESENTATION** award at NIT-Warangal (National Conference), February-2023
- Qualified in **TS-SET 2018 (CHEMICAL SCIENCES)**
- Qualified in **GATE 2009 (CY-CHEMISTRY)**
- NPTEL certificate course on **STEREOCHEMISTRY** September 2019
- NPTEL certificate course on **Metal Mediated Synthesis-I** (July-Aug 2021)
- Qualified in FET-JNTUH 2010 (Faculty Eligibility Test)-Chemical Sciences.

Subjects Taught:

- Engineering Chemistry
- Chemistry
- Applied Chemistry
- Organic Reactions
- Organic Synthesis

Research Interests:

Ph. D. awarded on the thesis titled

Acid/Visible Light Mediated Denitrogenative Cross-Coupling and Transannulation Reactions of 1,2,3-Benzotriazin-4(3*H*)-ones

(*Research Supervisor:* Prof. S. Mannathan, Department of Chemistry, SRM University-AP, Amaravati, Andhra Pradesh)

Research Domain:

-  Organic Synthesis (Methodology Development)
-  Organocatalysis, Organic Photochemistry (Photocatalysis)
-  Electrochemical Catalysis
-  C-H Activation and Functionalization
-  Metal-Catalysis, Organometallic Chemistry, Heterocyclic Chemistry
-  Flow Chemistry

Instrumental Techniques:

Experienced in handling of JEOL 400 MHz NMR Spectrometer, Shimadzu GC-MS instrument, Bruker FT-IR instrument, Glove Box.

Reviewer:

1. Royal Society of Chemistry: RSC Advances
2. Springer

Reviewed Book Chapters: 01

Reviewed Research Articles: 05

Invited Talks as Resource Person:

1. Invited by SRM University-AP, Amaravati Andhra Pradesh as a Resource Person/Guest speaker at “**2-Day NMR User’s Meet**” organized by Office of Dean Research, SRM University-AP, which was held during 25th – 26th June, 2025.

List of Publications:

List of Patents, Books and Book chapters

1. **Granted a patent “A PROCESS FOR THE PREPARATION OF ISOINDOLINONE COMPOUNDS”.** [Application number: 202441002555](#). Patent No. **595316**

2. Published a patent “A PROCESS FOR THE PREPARATION OF ISOQUINOLINONE COMPOUNDS”. [Application number: 202441002242](#).
3. Published a patent “A PROCESS FOR THE PREPARATION OF SALICYLANILIDE SULFONATE COMPOUNDS”. [Application number: 202441029389](#).
4. Published a patent “A PROCESS FOR THE PREPARATION OF ISOINDOLINE-1,3-DIONE DERIVATIVES”. [Application number: 202541013932](#)

Books Published:

1. **Dr. Ramaraju Korivi**, and Dr. Prasad Pinnoju. “Engineering Chemistry: Principles and Industrial Applications” Walnut Publication. **ISBN: 978-93-6926-139-0**

Book Chapter:

2. **Ramaraju Korivi**, Popuri Sureshbabu, Dhanip Kumar Sharma and Subramaniyan Mannathan. Denitrogenative Transformations of Benzotriazinones and Related Compounds. In a book Denitrogenative Transformations of Nitrogen Heterocycles. Eds.: Pazhamalai Anbarasan
Publisher: Wiley-VCH GmbH
Pages: 2025, 381-411. DOI: <https://doi.org/10.1002/9783527844852.ch15>

List of Publications in International Journals: (Starting from latest)

1. **Ramaraju Korivi**, Jagannath Rana, Baburaj Baskar and Subramaniyan Mannathan. Synthesis of *N*-Aryl and *N*-Alkyl Phthalimides via Denitrogenative Cyanation of 1,2,3-Benzotriazin-4(3*H*)-ones. *The Journal of Organic Chemistry*, 2025, 90, 3252–3256. **Impact Factor: 3.6 (Q2)**
2. **Ramaraju Korivi**, Popuri Sureshbabu, Kumar Babu Busi, Sabyasachi Chakraborty and Subramaniyan Mannathan. Visible Light-Induced Denitrogenative Annulation Reaction of 1,2,3-Benzotriazin-4(3*H*)-ones with Alkenes and Alkynes via Electron Donor-Acceptor (EDA) Complex Formation: A Sustainable Approach to Isoindolinones and Isoquinolinones Synthesis. *Organic Chemistry Frontiers*, 2024, 11, 6184 – 6193. **Impact Factor: 4.7 (Q1)**
3. Madasamy Hari Balakrishnan, Popuri Sureshbabu, **Ramaraju Korivi**, Subramaniyan Mannathan. Regioselective Synthesis of 3-Substituted Isocoumarin-1-imines via Palladium-Catalyzed Denitrogenative Transannulation of 1, 2, 3-Benzotriazin-4 (3*H*)-ones and Terminal Alkynes. *Chemistry–An Asian Journal*, 2023, e202300726 **Impact Factor: 4.839 (Q1)**

4. **Ramaraju Korivi**, Kanagaraj Madasamy, Popuri Sureshbabu, Subramaniyan Mannathan. Convenient Synthesis of Salicylanilide Sulfonates from 1,2,3-Benzotriazin-4(3*H*)-ones and Organosulfonic Acids via Denitrogenative Cross-Coupling. *ACS Omega* 2023, 8, 20, 18306–18311. **Impact Factor: 4.3 (Q2)**
5. Chandra S Bhatt, Divya S Parimi, Tharun K Bollu, Madhura H. U, Noah Jacob, **Ramaraju Korivi**, Sai S Ponugoti, Subramaniyan Mannathan, Sunil Ojha, Nico Klingner, M Motapothula, Anil K Suresh. Sustainable Bioengineering of Gold Structured Wide-Area Supported Catalysts for Hand-Recyclable Ultra-Efficient Heterogeneous Catalysis. *ACS Applied Materials & Interfaces*, 2022, 14 (46), 51855-51866. **Impact Factor: 10.38 (Q1)**
6. Kanagaraj Madasamy, Madasamy Hari Balakrishnan, **Ramaraju Korivi**, and Subramaniyan Mannathan. Trifluoroacetic Acid-Mediated Denitrogenative *ortho*-Hydroxylation of 1,2,3-Benzotriazin-4(3*H*)-ones: A Metal-Free Approach; *The Journal of Organic Chemistry* 2022, 87 (13), 8752-8756. **Impact Factor: 3.6 (Q2)**

Presentations in Workshops/Seminars/Webinars/FDPs:(Starting from latest)

1. Presented a paper “**Synthesis of Isoindolinones from 1,2,3-Benzotriazin-4(3*H*)-ones with Alkenes via Electron Donor-Acceptor (EDA) Complex Formation**” at Two Day National Seminar on “Recent Trends and Emerging Technologies in Chemical and Allied Sciences Research” held at Pingle Government College for Women (A) Waddepally, Hanumakonda during 22nd and 23rd August 2025.
2. Presented a paper “**Visible Light-Induced Denitrogenative Annulation Reaction of 1,2,3-Benzotriazin-4(3*H*)-ones with Alkenes via Electron Donor-Acceptor (EDA) Complex Formation: A Sustainable Approach to Isoindolinones Synthesis**” at International Conference on Recent Breakthroughs in Chemical Sciences (InnoChem-25: Innovations in Chemistry for Sustainable Solutions) during 8th – 11th April, 2025 held at Woxsen University, Hyderabad.
3. Presented a paper “**Synthesis of Salicylanilide sulfonates from 1,2,3-Benzotriazin-4(3*H*)-ones via Denitrogenative cross-coupling**” at 1st Research scholars’ summit-2024 held at SRM University-AP. **(Received BEST ORAL PRESENTATION AWARD)**
4. Presented a poster on “**Synthesis of Salicylamides and Salicylanilide Sulfonates from 1,2,3-Benzotriazin-4(3*H*)-ones via Denitrogenative Cross-Coupling Reaction**” at 31st CRSI-ACS National Symposium in Chemistry held at NIT Rourkela, Odisha. During 6th – 8th July, 2023.

5. Presented a research paper entitled “**Synthesis of Salicylanilide Sulfonates from 1,2,3-Benzotriazin-4(3H)-ones and Organosulfonic acids via Denitrogenative Cross-Coupling**” in National Conference on Recent Advances in Inorganic and Organometallic Chemistry-2023 held at NIT Warangal, during 24th and 25th Feb-2023. **(Received BEST ORAL PRESENTATION award)**
6. Presented a research paper entitled “**Trifluoroacetic Acid-Mediated Denitrogenative ortho-Hydroxylation of 1,2,3-Benzotriazin-4(3H)-ones: A Metal-Free Approach**” in International Congress on Recent Advances in Chemistry and Chemical Engineering – 2022, held on 13th to 15th December, 2022 at JNTU Hyderabad. **(Received BEST ORAL PRESENTATION award)**

Participations in Workshops/Seminars/Webinars/FDPs: (Starting from latest)

1. Participated in One-Day online National Webinar on “Research Paper Writing in the Digital Era: Tools, Techniques and Best Practices” organized by the Department of Chemistry, ACE Engineering College, Hyderabad on 11th April, 2026.
2. Participated in One-Day workshop on “**AI-Assisted Drug Designing**” organized by the Barcode Biotechnology on 30th January, 2026
3. Participated in One-Day workshop on “**Photocatalysis for Sustainable Chemical and Environmental Applications**” organized by the School of Sciences, Woxsen University, Hyderabad on 28th August, 2025.
4. Participated in One-Day FDP on “Emerging Trends in Teaching” organized by the Department of English, ACE Engineering College, Hyderabad on 12th August, 2025.
5. Participated in an “**International Workshop on Energy, Environment and Sustainability (Saturday Lecture Series)**” organized by the Department of Chemistry, Anurag University, Hyderabad, during 19th April – 31st May 2025.
6. Organized and Participated in One-Day workshop on “Visible-Light Mediated Organic Transformation Reactions” by Department of Chemistry, SRM University-AP Andhra Pradesh, on 23rd November, 2024.
7. Participated in one week Faculty Development Program (hybrid mode) on, “**Recent Advancements in Material Science & Medicinal Chemistry**” from 22nd to 26th July, 2024 organized by School of Pharmacy & Department of Chemistry, Anurag University, Hyderabad, Telangana, India.
8. Participated in University Distinguished Lecture titled “**Semiconductor Nanostructures for Optoelectronic Applications**” by Prof. Chennupati Jagadish

- (elect), Australian Academy of Science, Distinguished Professor, The Australian National University, Australia. Organized by SRM-University-AP, Andhra Pradesh held on 22nd January-2022
9. Participated in **International Conference on Emerging Trends in Synthetic Organic Chemistry-2021(ICETSOC-2021)**, Organized by **Department of Chemistry, NIT-Pondicherry**, held on December 6th-7th 2021.
 10. Participated in University Distinguished Lecture titled **“Science, Technology and Innovation Policy 2020: A Transformative S&T Agenda”** by **Prof. Sandeep Verma** Secretary of **Science and Engineering Research Board (SERB), DST, Government of India**. Organized by SRM-University-AP, Andhra Pradesh held on 30th October 2021.
 11. Participated in University Distinguished Lecture titled **“Creating a Vibrant Knowledge Society-An Indian Strategy for 21st Century”** by **Dr. K. Kasturirangan, Chairman, National Education Policy (NEP)-2020** and special address by **Dr. Audimulapu Suresh Hon’ble Minister for Education, Andhra Pradesh**. Organized by SRM-University-AP, Andhra Pradesh in association with India’s National Newspaper **“THE HINDU”** held on 24th July 2021.
 12. Participated in University Distinguished Lecture titled **“Higher Education in India in the Post COVID-19”** by **Prof. Anil D. Sahasrabudhe Chairman of AICTE** and special address by **Shri Satish Chandra IAS Special Chief Secretary, Higher Education, Government of Andhra Pradesh**. Organized by SRM-University-AP, Andhra Pradesh in association with India’s National Newspaper **“THE HINDU”** held on 5th June 2021.
 13. Participated in University Distinguished Lecture titled **“Pursuit of Excellence: Institution Building”** by **Prof. K. N. Ganesh, Director of IISER, Tirupati, India**. Organized by SRM-University-AP, Andhra Pradesh held on 12th December 2020.
 14. Participated in University Distinguished Lecture titled **“Art of Science in the Time of Virus and Beyond: The Brave New World”** by **Prof. Ashutosh Sharma Secretary, DST, Government of India**. Organized by SRM-University-AP, Andhra Pradesh held on 5th December 2020.
 15. Participated in University Distinguished Lecture titled **“Saga of Science from 13th Century to 21st Century”** by **Prof. S. Chandrasekhar Director, CSIR-IICT Hyderabad**. Organized by SRM-University-AP, Andhra Pradesh held on 21st November 2020.

16. Participated in the Webinar “Department Lecture Series” titled “**Metal-Catalyzed C-H Alkenylation Reactions**” organized by Department of Chemistry, SRM University-AP, Andhra Pradesh held on 04th August 2020.
17. Participated in the Webinar “Department Lecture Series” titled “**Designing Polymer Capsules for Drug Delivery**” organized by Department of Chemistry, SRM University-AP, Andhra Pradesh held on 31st July 2020.
18. Participated in the Webinar “**Effective ways of Writing Research Article**” organized by SRM University-AP, Andhra Pradesh held on 25th July 2020.
19. Participated in the Webinar “Department Lecture Series” titled “**Molecular Docking and Repurposing of Drug molecules for SARS-CoV-2**” organized by Department of Chemistry, SRM University-AP, Andhra Pradesh held on 21st July 2020.
20. Participated in the Webinar “Department Lecture Series” titled “**The Rechargeable World with Li-ion (LIBs)**” organized by Department of Chemistry, SRM University-AP, Andhra Pradesh held on 14th July 2020
21. Participated in the Webinar “Department Lecture Series” titled “**Optoelectronic Properties of perovskite Semiconductor Nanocrystals**” organized by Department of Chemistry, SRM University-AP, Andhra Pradesh held on 07th July 2020.
22. Participated in the Webinar “**Post COVID-19 Science and Technology**” organized by SRM University-AP, in association with India’s national newspaper, “THE HINDU” held on 29th May 2020.
23. Participated in five days “**AICTE sponsored Faculty Development Program on Engineering Chemistry**” organized by UGC-HRDC JNTUH, Kukatpally Hyderabad from 02-12-2019 to 06-12-2019.
24. Attended a Two-Day National Seminar on “Designing Eco-Polymers for Universal Sustenance (DEPUS-2011)” during March 30th - 31st 2011. Organized by the **Department of Chemistry Kakatiya University Warangal**. Sponsored by UGC-SAP.
25. Participated in a Two-day National level faculty Development program on “Teaching Ethics and Personality Development Skills for Young Engineering Faculty-TEAPS 2011” organized by the Department of CSE, **Ramappa Engineering College Warangal**, during 29th-30th June 2011.

Sd/-

Dr. Ramaraju Korivi