



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES



FACULTY OF PHARMACY



Department of Pharmaceutical Chemistry

Organizes

2nd INTERNATIONAL E-CONFERENCE

on

**Exploring Frontiers of *In-Silico* Drug Discovery:
Trends, Challenges & Opportunities**

27th & 28th April 2025



Core Areas

- AI & ML in Drug Design
- Virtual Screening
- Pharmacophore Modelling
- QSAR/QSPR Modelling

Resource Persons



Dr. D. Sivakumar

CEO,
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Dr. Shubam Srivastava

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Dr. Somdatta Chaudhari

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Registration



**Last date
for Abstract
submission :
23-04-2025**



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Abstract Format



Registration Fee: 300/- (Incl. GST)

Abstract Submission Link



Patron



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Conference Highlights

The 2nd International e-Conference on Exploring Frontiers of *In silico* Drug Discovery: Trends, Challenges & Opportunities is a virtual event focused on the latest advancements and challenges in *in silico* drug discovery. This conference brings together researchers, professionals and experts across the globe to exchange knowledge and insights. With keynote presentations, panel discussions, and research paper presentations, the conference explores cutting-edge trends and technologies in areas like machine learning, molecular docking, and virtual screening. It offers networking opportunities and encourages collaborations among participants. The conference aims to foster innovation and contribute to the progress of *in silico* drug discovery methodologies and applications.

Scientific Presentations

We invite abstracts for e-posters from research scholars, faculty scientists and industry professionals from India and across the world. Abstracts are invited on the core area topics for e-poster presentations. Perspective authors are encouraged to present their original, unpublished research work and the selected abstracts will be called for poster presentations through online mode. An abstract of up to 300 words in Calibri with font size 12 pts and 1.5 line spacing may be submitted in a .doc/.docx file with the author's name (presenting author name to be underlined), affiliation and corresponding author email ID. For abstract submission details, refer to the QR code given.

Ramaiah University of Applied Sciences

Ramaiah University of Applied Sciences (RUAS) is a state private university, under the aegis of Gokula Education Foundation. The innovative university focuses on academics, research, consultancy, training and leadership development. RUAS offers outcome-based education in health and allied sciences, engineering and humanities. RUAS is oriented towards student-centric education and services with applied research whilst maintaining the highest academic and ethical standards in a creative and innovative environment. RUAS inspires critical thinking, personal development, and a passion for lifelong learning. RUAS is accredited with A+ Grade by NAAC.

Faculty of Pharmacy

Faculty of Pharmacy (FPH), formerly M. S. Ramaiah College of Pharmacy, was established in 1992. The Faculty of Pharmacy ranked 68 in the AIR-NIRF 2024 and is a leading pharmacy institute with 33 years of legacy. It imparts outcome-based pharmaceutical education to meet global growing demands with skill-trained healthcare professionals. The faculty offers 4-years undergraduate program—Bachelor of Pharmacy (B. Pharm); 2-years Postgraduate program—Master of Pharmacy (M. Pharm) in Pharmacognosy, Pharmaceutical Chemistry, Pharmaceutics, Pharmacology, Pharmacy Practice, Pharmaceutical Regulatory Affairs; 6-years Doctor of Pharmacy (Pharm D) and Doctoral Programme (Ph.D.)

Department of Pharmaceutical Chemistry

Department of Pharmaceutical Chemistry aims to impart quality education at UG, PG and doctorate levels supported by highly skilled and motivated faculty with a strong commitment to teaching and research. The department focuses on outcome-based education, enabling students to acquire practical skills in different areas like in *in silico* drug design, chemical synthesis by conventional & green chemistry approaches, spectral characterization, analytical techniques, phytochemical analysis, peptide synthesis, and pharmacokinetic & pharmacodynamic evaluation of small molecules. To support cutting-edge research and practical training, the department is equipped with sophisticated instruments like HPLC, HPTLC, ATR-IR, microwave synthesizer, rotary evaporator, etc. Additionally, the department has a GPU-assisted computational lab exclusively for AI/ML design of novel drug candidates and molecular dynamic simulations of protein-drug & protein-protein complexes, ensuring students and researchers stay at the forefront of pharmaceutical innovations.