

An International symposium on Sustainable Drug Design and Nanoparticle development: Quantum and Computational Perspectives

Date: 22.01.2025 and 23.01.2025

Organized by

Nirmala College of Pharmacy, Mangalagiri, Guntur, Andhra Pradesh

Technical Program with session wise details and name of session chairperson

Day 1 (22.01.2025)		
8:45 AM - 9:45 AM	Registration	
9:45 AM - 10:45 AM	Inauguration by Prof. K. Gangadhara Rao (Vice-chancellor, Acharya Nagarjuna University) and Rev. Sr. Vatti Japamala	
10:45 AM - 11:15 AM	Opening Remarks by Rev. Sr. Dr. U. Showrilu and Prof. Dr. B Pamula Reddy	
Session I (Keynote speaker); Chairperson: Prof. Dr. Vidyadhara Suryadevara		
11:15 AM -12:00 PM	An understanding of computational biochemistry, molecular biology and development of anticancer drug.	Prof. (Dr.) Janez Mavri, Theory Department, Head Laboratory of Computational Biochemistry and Drug Design, Head National Institute of Chemistry , SI-1001 Ljubljana, Slovenia
12.00 PM – 12.45 PM	Fighting Infection Risks Through Environmental Science and Interdisciplinary Research	Prof. (Dr.) Mohamed Dkhil, Professor of Molecular Parasitology, Department of Zoology and Entomology, Faculty of Science, Helwan University, Egypt
LUNCH and Poster presentation (12:45 to 2:00 PM)		
Session II: Invited speaker; Chairpersons: Prof. Dr. A. Prameela Rani and Prof. Dr. B Pamula Reddy		
2:00 PM to 2:30 PM	From bench work to drug design, development and biological activity prediction of lead compounds.	Prof. (Dr.) Sisir Nandi, Global Institute of Pharmaceutical Education and Research, Kashipur, Uttarakhand, India
2:30 PM to 3:00 PM	Nanotherapeutics and drug discovery for cancer: A study on molecular and cellular mechanisms	Dr. Asmita Samadder, Cytogenetics and Molecular Biology Lab, Department of Zoology, University of Kalyani, Kolkata, India.

3:00 PM -3.30 PM	Cellular biology and innovative nanotechnology for combating cancer and diabetes.	Dr. Amit Roy INSA Young Scientist, Department of Biotechnology Savitribai Phule, Pune University (Formerly University of Pune) Ganeshkhind Road, Pune, India.
3.30 PM- 4.45 PM	Cultural programme	
Day 2 (23.01.2025)		
Session III: Keynote speaker; Chairperson: Prof. Dr. Janez Mavri and Prof. Dr. A. Prameela Rani		
9:30 AM to 10:15 AM	Nanomaterials and biological in therapeutic delivery of advanced disease.	Prof. (Dr.) R. Nagaraju Professor, Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, India.
10.15 AM to 11.00 AM	Immunopotentiating mechanism of vaccine adjuvant and: Role of lipopeptides, glycopeptides and vaccine efficacy	Dr. Srinivasa Reddy Bonam, Senior Scientist, Vaccine Immunology Laboratory, Department of Applied Biology, CSIR-Indian Institute of Chemical Technology, Ministry of Science and Technology, Govt of India, Hyderabad
11.10 AM to 11.15 AM	High Tea	
Session IV: Faculty lecture; Chairperson: Dr. Asmita Samadder		
11.15 AM to 11.35 AM	Natural product isolation, nanotechnology and hepatoprotective activity	Dr. Bhabani Shankar Nayak, KIIT School of Pharmacy, KIIT deemed to be university, Bhubaneswar, Odisha
11.35 AM to 11.55 AM	Green chemistry in nanoparticle synthesis and phytoconstituents, standardization and regulatory challenges	Dr. Jitendra Patel, Datta Meghe College of Pharmacy, DMIHER, (Deemed to be university), Wardha, Maharashtra, India.
Session V: Young researcher presentation; Chairpersons: Dr. Sisir Nandi and Dr. Amit Roy		
11:55 AM - 12:10 PM	Quality by design approach and statistical tools in nanosuspension development	Mr Mayank Kumar Khede, BPUT PhD Scholar, Odisha
12:10 PM- 12.20 PM	3D QSAR in Pharmaceutical structure elucidation	Mr Vijay Kishore, ANU PhD scholar, Guntur, Andhra Pradesh
12:20 AM – 12:30 PM	Phytosomes and screening techniques in dosage development	Mrs Srikala Kamireddy, SRM school of Pharmacy PhD scholar, Tamilnadu
12:30 PM – 12.40 PM	Regulatory challenges	Ms Asha Gummadi, Research Associate,

	and guidelines in GLP	Laila Nutraceuticals, Vijayawada, Andhra Pradesh
12.40 PM- 12.50 PM	Lipids and excipients in nanodosage development	Atanu Sarma, PhD Scholar, Assam DownTown University, Assam
LUNCH and Poster presentation (12.50 to 2.00 PM)		
Session VI: Online lectures; Chairperson: Dr. Srinivasa Reddy Bonam		
2:00 PM - 2:10 PM	Pharmacokinetics and investigation of drug for biological activity.	Dr. Nebojša Pavlovi , Department of Pharmacy, Faculty of Medicine , University of Novi Sad Hajduk Veljkova 3 , 21000 Novi Sad, Serbia
2:10 PM – 2:20 PM	Bioengineered nanoparticle and metal ions in biomedical application.	Dr. Raghvendra Ashok Bohara, Senior Principal Scientist, CrannMed Ltd, Galway, Ireland. Managing Editor, Biomaterials
2:20 PM- 2:30 PM	Blue technology in Biomedical Sciences Development	Dr. Meivelu Moovendhan, Professor (Research), Center for Global Health Research, Saveetha Medical College and Hospital, Saveetha institute of medical sciences, Chennai, India
2:30 PM-2.40 PM	Curcumin loaded nanofibers in bacterial infection	Dr. Siba Prasad Panda, Profesor in GLA institute of Pharmaceutical Sciences, Mathura, Uttar Pradesh.
2:40 PM-2.50 PM	LC-MS and Chromatography techniques in isolation of active pharmaceuticals from natural sources	Dr. Uttam Prasad Panigrahy, Assam down town University, Guwahati, Assam, India.
3:30 PM – 4:00 PM	Cultural	
4: 00 PM to 4:45 PM	Award Ceremony, Valedictory Function and Vote of thanks	