



NIRMA
UNIVERSITY

INSTITUTE OF PHARMACY

NAAC ACCREDITED 'A+' GRADE

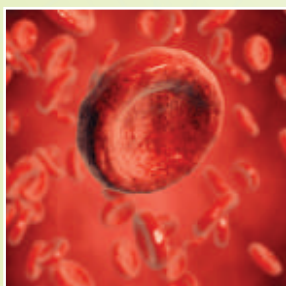
2nd NIRMA e-CONFERENCE FOR INTERNATIONAL CONNECT (NCIC) - 2023

on

**“Recent Advances in Nanotechnology:
Drug Discovery & Therapeutics”**

January 24 - 25, 2023

Organized by:
Institute of Pharmacy
Nirma University
Ahmedabad



About NCIC - 2023

Institute of Pharmacy, Nirma University is pleased to invite astounding minds to its prestigious 2nd Nirma e-Conference for International Connect i.e. NCIC-2023 which will be hosted in an online manner during January 24 - 25, 2023.

Nano-systems because of its small size has gained tremendous attention among scientific fraternity. Research shown remarkable improvement in health care systems particularly in treating certain life-threatening diseases like cancer, neurodegenerative diseases, etc. where conventional formulations fail to provide complete cure. However, understanding any material in nanoform is very essential before choosing nano-approach. Additionally, the development as well as characterization is not only expensive, it is challenging too in terms of scale-up, stability, regulatory and safety considerations, etc.

NCIC-2023 focuses on recent trends and innovations in design, discovery and development of nanomaterials and nanocarriers for diversified pharmaceutical applications. It illustrates exchange of innovative research ideas on Nano Drug Delivery and Nanotheranostics, Design and Formulation aspects of Nanomaterials, Application of Nano-chemistry in Pharmaceutical Sciences, Nanotoxicology, Nanotherapeutics and Nanomedicines, Analytical and Regulatory aspects of Nano-pharmaceuticals, Nano Herbal Therapeutics, etc. The prime objective of NCIC - 2023 is to provide an opportunity for the close interaction amongst scientists with varied interests, in diverse fields of the research related to nanotechnology and nanomedicine.

NCIC-2023 features scientific sessions by eminent national and international speakers from different disciplines. The e-Conference will also provide the platform for scientists and research scholars from various organizations to put forth their innovative ideas and research findings by means of deliberations, discussions and paper presentations (oral).



About Nirma University

Established in the year 2003, under a special act passed by the Gujarat State Legislative Assembly, the Nirma University, Ahmedabad is a research-oriented, student-centric, multidisciplinary, not-for-profit state private University. Within a short period of its existence, it has emerged as a nationally renowned higher education institution. The University and its constituent institutes are highly ranked by different ranking agencies.

Nirma University is duly recognized by the University Grants Commission (UGC) under Section 2 (f) of the UGC Act. The University is accredited by National Assessment and Accreditation Council (NAAC) with A+ grade in its third cycle. The University is a member of the Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU). Nirma University has received an Overall India Rank of 52 and a Global Rank of 756 in the category of Higher Education in the SCIMAGO institute ranking framework. University received 5 star rating in GSIRF 2022.

Dr. Karsanbhai K Patel, Chairman, of Nirma Group of Industries and Nirma Education and Research Foundation (NERF), is the President of the Nirma University. Under his leadership, the University is expanding every passing year and moving from strength to strength.

Spread across the sprawling lush green 115-acre campus, the University has a host of institutes, departments, and centers, including the Institute of Technology, Institute of Management, Institute of Pharmacy, Institute of Science, Institute of Law, Institute of Architecture & Planning, Institute of Commerce, Institute of Design, Institute of International Studies, Faculty of Doctoral Studies and Research, Centre for Continuing Education, Centre for Entrepreneurship, Centre for Advanced Instrumentation and Centre for Robotics and Automation, Centre for Family business and Entrepreneurship, University Internal Quality Assurance Cell (IQAC), Centre for Excellence in Data Science, RAINBOW Centre for Women and Office of International relations. The institutions under the University offer numerous undergraduate, postgraduate, and doctoral programmes. Apart from these, the University also offers several certificates and executive diploma programmes.

About Institute of Pharmacy

VISION

Striving to excel in pharmaceutical education, research & innovation to develop outstanding professionals catering to the health care needs of the humankind.

MISSION

The institute aims to develop employable students, researchers and entrepreneurs by inculcating critical thinking, problem solving ability, ethical values and leadership skills. Institute provides vibrant environment for continuous learning by strengthening industrial collaboration for developing competent professionals.

Institute of Pharmacy was established in the year 2003 under Nirma University with the aim of developing able professionals in the field of pharmaceutical sciences. In a short span of time, it has become one of the leading institutions in the country, offering pharmaceutical education at the undergraduate, postgraduate, doctoral and postdoctoral levels. Institute has been ranked 28th in India Ranking 2022 by the Ministry of Human Resource Development, (MHRD), Government of India in its National Institutional Ranking Framework (NIRF). Institute of Pharmacy is ranked FIRST in GSIRF-2022 rankings by the Govt. of Gujarat with 5 Star rating. The Institute offers B. Pharm, M. Pharm, Pharm. D, Full-time and part time Ph.D. and a postdoctoral programme. The B. Pharm programme is accredited by the National Board of Accreditation for three years (2019-2022). The Institute has adopted Outcome Based Education (OBE) to further advance professional knowledge, and inculcate employability skills in addition to the development of character and social responsibility. To achieve the same objectives, the vision and mission of the institute were also defined in line with the University's vision and mission. The Institute has also defined its programme educational objectives and programme outcomes. The Institute has more than 9.0 crore rupees in grant from government agencies and has collaborated with various research centers, industries and institutes in India and abroad. The Institute houses state-of-the-art instruments, like Supercritical Fluid Extractor and Chromatogram, HPTLC, HPLC, MPLC, GC, Fluorescence Spectrometer, Raman Spectrometer, UV-VIS-NIR Spectrophotometer, FTIR, DSC, ELISA, PCR, Electrophoresis, Texture Analyser, Automated Dissolution Apparatus, Extruder-Spheronizer, Multiple Diffusion Assembly, High-Pressure Homogenizer, Particle Size Analyser, Microwave Synthesizer, Stereotaxic apparatus, Microdialysis, E Spin, Lipid extruder, multi reaction system etc. The Institute also has software, like iWorx, eCTD, Design Expert, etc. The Institute has a two-storied animal house facility registered with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Government of India. Besides, there is also a medicinal plant garden "Nirma Herbal Wealth", having an area of 3356.5 sq m with around 150 genera and 500 plants. Institute also has a BSL-II cell line laboratory, NABL-approved testing facility for biochemical analysis and Gujarat Pollution Control Board approval for biomedical waste management.

Advisory Committee Members

- **Prof. Yashwant V Pathak**
Professor and Associate Dean for Faculty Affairs, USF Health Taneja College of Pharmacy, University of South Florida, USA
- **Dr. Wong Tin Wui**
Professor, Non-Destructive Biomedical and Pharmaceutical Research Centre, iPROMISE, Universiti Teknologi MARA, Malaysia
- **Dr. Vinay Parikh**
Associate Professor, Psychology and Neuroscience, Associate Professor, Center for Substance Abuse Research, Head, Neurochemistry and Cognition Laboratory, Former Director, CLA Neuroscience Program, Temple University, Weiss Hall Philadelphia, PA, USA
- **Prof. Stephen Kerr**
Assistant Provost for International Affairs, Professor of Medicinal Chemistry, School of Pharmacy, MCPHS University, Boston, USA
- **Dr. Stephen F. Amato**
Faculty Director, Global Regulatory Affairs, Quality Assurance/Advanced Manufacturing & Teaching Professor, College of Professional Studies, Northeastern University, USA
- **Prof. Anamik Shah**
Former Vice-chancellor, Gujarat Vidyapith, Ahmedabad, India. Founder, Centre of Excellence (in Drug Discovery), National Facility for Drug Discovery (NFDD) Complex & Former Professor, Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India
- **Dr. (Mrs.) Vandana B. Patravale**
Professor of Pharmaceutics, Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai, Maharashtra, India
- **Prof. D. S. Rawat**
Professor, Department of Chemistry, University of Delhi, Delhi, India



Main Tracks and Sub-Tracks of e-Conference

Nanotechnology

- Nano Drug Delivery and Nanotheranostics
- Design and Formulation Aspects of Nanomaterials
- Application of Nano-chemistry in Pharmaceutical Sciences
- Nanotoxicology, Nanotherapeutics and Nanomedicines
- Analytical and Regulatory Aspects of Nano-pharmaceuticals
- Nano Herbal Therapeutics

Pharmaceutics

- Formulation and In-vitro/In-vivo Evaluation of Conventional and Novel Dosage Forms
- IVIVC studies of Pharmaceutical Dosage Forms
- Novel Drug Delivery System
- Polymer and Nanomaterial Sciences
- Gene-Specific Drug Delivery System

Pharmaceutical Chemistry

- Medicinal Chemistry including Organic Chemistry Approaches in Drug Discovery
- Green Chemistry Approach in Drug Development
- Advancement in Chemical Biology
- Bioinformatics and Structural Biology

Pharmacology and Clinical Research

- PK/PD, Toxicology and Toxicokinetics
- Molecular Biology, Proteomics and Genomics
- Veterinary Pharmacology

- Safety and Risk Assessment of Medical Devices and Diagnostic Tools
- Clinical Research, Pharmacovigilance and Clinical Data Management
- Pharmacoepidemiology, Pharmacoeconomics and Health Outcome research

Pharmaceutical Analysis

- Development and validation of various types of analytical methods
- Stability studies, impurity profiling and characterization of impurities like genotoxic impurities, nitrosamine impurities, heavy metal impurities as per regulatory guidelines

Pharmacognosy and Natural Products

- Herbal Drug Standardization
- Herbal Formulations, Nutraceuticals and Herbal cosmetic development and evaluation
- Pharmacognosy Involving Natural Product Scaffolds in Drug Discovery
- Phytopharmacology of Herbal Drugs, Nutraceuticals, and Natural bio-actives

Pharmaceutical Regulatory Affairs

- Regulations of Biologics like Vaccines, Stem cell, Gene therapy, Monoclonal Antibodies, Peptides
- Drug Regulatory Approval Process Across the Globe
- Regulations Related to Clinical Trials; Nanotechnology based Pharmaceutical Products



Glimpses of Speakers of Past International e-Conference



Prof. Dong-Soo Shin

Department of Chemistry, Changwon National University, Changwon, Kyongnam, South Korea.



Dr. Ian S. Haworth

Associate Professor & Vice Chair, Department of Pharmacology & Pharmaceutical Sciences, School of Pharmacy, University of Southern California, Los Angeles, California, USA.



Dr. Frederick Frankhauser

Department Chair, Pharmaceutical Business & Administrative Sciences, Program Director, Regulatory Affairs and Health Policy, School of Pharmacy, MCPHS University, USA



Dr. Stephen Kerr

Interim Dean and Professor, School of Pharmacy, MCPHS University, USA.



Dr. Marco Loli

Associate Professor in Medicinal Chemistry, Dept. Science and Drug Technology-University of Turin (UniTO), Italy.



Dr. Sukhinder Kaur Cheema

Professor, Department of Biochemistry, Faculty of Medicine, Memorial University of Newfoundland, Canada.



Dr. Heena Patel

Associate Director, Clinical Operations, Gilead Sciences, Inc., Foster City, CA. USA.



Dr. Bhushan Patwardhan

Hon'ble Vice-Chairman, University Grants Commission, New Delhi



Dr. Ram Vishwakarma

Council of Scientific & Industrial Research, Anusandhan Bhavan, New Delhi.



Dr. Hitesh Malviya

Director, New Vaccines, Serum Institute of India, Pune



Dr. Manu Jaggi

Chief Operating Officer, Dabur Research Foundation, Ghaziabad.



Dr. Suresh Patankar

Clinical Physician, ACE Hospital, Pune

**Dr. Asit K. Chakraborti**

Visiting Professor, Dept. of Chemistry,
Indian Institute of Technology, Ropar,
Punjab.

**Dr. Thennati Rajmanner**

Executive Vice President,
Sun Pharmaceuticals, Baroda.

**Dr. Prathama Mainer**

Sr. Principal Scientist & Chair,
Department of Organic Synthesis &
Process Chemistry, CSIR – Indian
Institute of Chemical Technology,
Hyderabad.

**Dr. Bakulesh Khamar**

Executive Director,
Cadila Pharmaceuticals Ltd.,
Ahmedabad.

**Dr. Dinesh Patel**

Sr. Vice President and Manufacturing
Head,
Cadila Pharmaceuticals Ltd.,
Ahmedabad.

**Dr. Anthony Addlagatta**

Senior Principal Scientist, Applied
Biology,
CSIR – Indian Institute of Chemical
Technology, Hyderabad.

**Dr. Suman S. Thakur**

Principal Scientist, Proteomics and Cell
Signaling, CSIR - Centre for Cellular and
Molecular Biology (CCMB), Hyderabad.

**Prof. Arun Shukla**

Associate Professor, Wellcome Trust-
DBT Senior Fellow & Young
Investigator,
Indian Institute of Technology,
Kanpur.

**Dr. Souvik Maiti**

Sr. Principal Scientist, CSIR - Institute of
Genomics and Integrative Biology,
New Delhi.

**Dr. Prajwal Nandekar**

Sr. Scientist,
Schrodinger Inc., India.

For more details, kindly refer: <http://www.ncic.co.in>



Call for Paper Presentation (Oral)

Abstracts not exceeding 250 words are invited for paper presentation (oral) in any of the main tracks and sub-tracks of the e-Conference. Confidential peer review shall determine acceptance or rejection of the submitted abstract for paper presentation (oral).

Guidelines for Submission of Abstract

- Abstract should contain Title, Name(s) of Authors, Affiliation(s) along with the postal address of Authors, Email address of Presenting Author and body text of the abstract.
- The Title should be specific to reflect the work to be presented.
- Title should be in Times New Roman, Bold, font size 16 with single line spacing, center alignment and Title case.
- Name(s) of Author(s) should be described as Surname followed by Name, in Times New Roman, font size 14 with single line spacing, center alignment and Title case.
- The name of presenting author must be underlined.
- In case of more than one affiliation, each affiliation should be marked by numbering in superscript after the name of the author.
- Email address of presenting author should be in Times New Roman, Italics, font size 14 with center alignment.
- The body text of the abstract (not exceeding 250 words) should be in Times New Roman, font size 12 with 1.5 line spacing, justified and in sentence case.

Register online first and submit the abstract through the website only latest by January 12, 2023. No abstract submission will be accepted by email. Acceptance of the abstract shall be communicated latest by January 16, 2023.

Guidelines for Paper Presentation (oral) during e-Conference

- Presenting author of the accepted abstract has to present work during the paper presentation (oral) session in the e-Conference.
- The language for the presentation is strictly English.
- Presenting author will be given a maximum of 5 minutes to present a maximum of 10 slides of power point presentation (PPT) explaining the details of the work.
- The paper presentation number should be included on the first slide of the presentation.
- The use of presentation tools like figures, charts, tables, etc. is preferable.

Paper presentations will be evaluated for competition by eminent experts in the field. The delegate must ensure the quality of content provided in the presentation for evaluation.

Exciting Prizes for the Best Paper(s) in Each Track



Who Can Participate ?

Academicians, Researchers, Pharmaceutical Industrial personnel, Clinical practitioners, Undergraduate and Postgraduate students, PhD. research scholars, Regulators and Foreign delegates.

Abstract Submission Website

For more details about abstract submission and other instructions, kindly refer: <http://www.ncic.co.in>

Important Dates

Last Date for Abstract Submission: **January 12, 2023**

Intimation of Acceptance of Abstract: **January 16, 2023**

Last Date for Registration: **January 19, 2023**

Registration

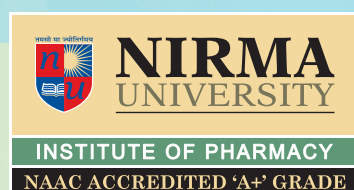
All participants will have to register online for the e-Conference. Registration fee for different categories as follows:

Category	Registration Fees (Inclusive of tax)
(A) UG Student	Rs. 200/-
(B) PG / Ph.D Student	Rs. 300/-
(C) Delegate from Academia	Rs. 400/-
(D) Delegate from Industry	Rs. 500/-
(E) Foreign Delegate	US\$ 25
(F) Last moment registration	
Indian Delegate	Rs. 600/-
Foreign Delegate	US\$ 40

For more details about instructions for registration and payment, kindly refer <http://www.ncic.co.in>

Organizing Committee

Chief Patron	Shri K. K. Patel, Vice President, Nirma University Dr. Anup K. Singh, Director General, Nirma University
Convener	Prof. Tejal Mehta, Director (I/c), Institute of Pharmacy, Nirma University
Organizing Secretary	Dr. Mayur Patel, Associate Professor, Institute of Pharmacy, Nirma University



For Further Details Please contact:

The Organizing Secretary – 2nd NCIC - 2023

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