



Department of Pharmaceuticals
Ministry of Chemicals and Fertilizers
Government of India



75
आज़ादी का
अमृत महोत्सव



तारुण्य

National Institute of Pharmaceutical Education and Research **NIPER-HYDERABAD NEWSLETTER** Issue-5, January-June, 2022



Ministry of Education,
Government of India



NATIONAL
INSTITUTIONAL
RANKING
FRAMEWORK
2021





DIRECTOR'S MESSAGE

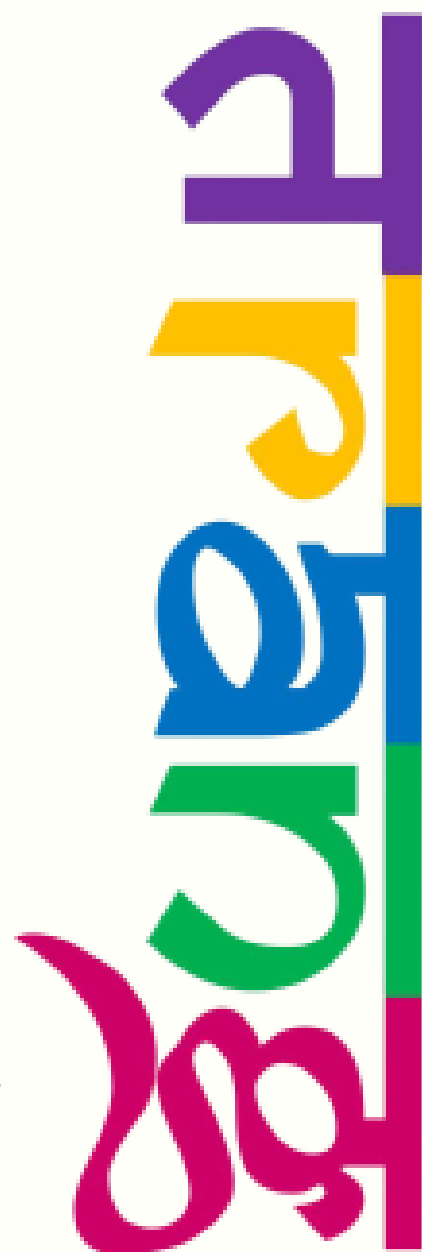
I am delighted to present National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad Newsletter - **Tarang**, Issue-5, January - June 2022. Pharmaceutical Sciences continue to help the society and nation, as we slowly recovering from the COVID Pandemic. Being a research driven Institute, our faculty and students are continuously working hard to develop innovative solutions for all the concerned stakeholders.

NIPER-Hyderabad is proactively connecting with the industry and academia. In the first half of 2022, we have conducted numerous events by which the synergistic energy can be capitalized. Students and faculty members of different institutes were also encouraged to make the best use of the Institute facilities, as the nation will only benefit if all of us walk together.

I am also happy to share that we have enhanced our team significantly in technical and administration profiles. We are also recruiting some of the brightest minds as faculty members in the latter part of the year. 2022 is the year, where NIPER-Hyderabad has started its next phase.

I wish to thank each and everyone specially our students, faculty, staff and Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt. of India for contributing to the growth of NIPER-Hyderabad.

- Dr. Shashi Bala Singh





NIPER-HYDERABAD ON A MISSION MODE TO CONNECT WITH THE INDUSTRY & ACADEMIA

From the beginning of 2022, NIPER-Hyderabad has started connecting with the industry and academia on a mission mode. Numerous events were held to encourage proactive interactions between the industry and faculty members.

This further open doors for opportunities in collaborative research, new projects, technology development, product development and industry specific PhD programs. The institute is signing numerous MoUs with different industries. Events such as Academia Connect, FIPS International E-Conference, International Conference on NextGen Therapeutics & Diagnostics and CEOs MDs Round Table have made a great impact in the industry and academia relations for NIPER-Hyderabad.

IN THIS ISSUE
JAN-JUNE 2022

NIPER PORTAL

ACADEMIA CONNECT

FIPS E- CONFERENCE

INTERNATIONAL
CONFERENCE

CEO MD ROUND TABLE

SCIENTIFIC EVENTS &
TALKS

ALUMNI TALKS

VISIT OF JS, DOP

GUEST TALKS

EVENTS & CELEBRATIONS

PLACEMENTS

FACULTY & STAFF

PUBLICATIONS

DR MANSUKH MANDAVIYA LAUNCHES NIPER RESEARCH PORTAL



Union Minister for Chemicals and Fertilizers Shri Mansukh Mandaviya launched **NIPER Research Portal** on January 28, 2022 along with Shri Bhagwanth Khuba, Minister of State for Chemicals and Fertilizers in presence of Dr V. K Paul, Member (Health), Niti Aayog. National Institute of Pharmaceutical Education and Research (NIPER) Research Portal has been created with the aim to disseminate the information about all the NIPERs and their research activities, patents filed and Publication information at one place so that a industry and other stakeholders know about them.

Reiterating the vision of the Hon'ble Prime Minister Shri Narendra Modi of Jai Jawan, Jai Kisan, Jai Vigyan and Jai Anusandhaan, Dr Mansukh Mandaviya said that Research & Development is one of the crucial pillars for a country's economy. He said that we need to harness this energy of aspirations of all stakeholders and create a holistic ecosystem. Our expertise in generics can also be further expanded to other sectors, he added. Pointing towards the importance of healthy competition both in Industry and Academia, the Union Minister noted that competition and demand is a necessity of research and innovation as this promotes quality ideas and solutions for our citizens. He stressed that Research and Innovation is a necessity for the sustained growth of pharmaceuticals sector.

The Minister stated that the country already has young talent and human resources, but we need to channelize them effectively through Industry-Academia cooperation. To enhance this industry-Academia collaboration, the Department of Pharmaceuticals has created this Research Portal to capture the research activities of all seven NIPERs. He further stated that that the platform inaugurated today would help us in promoting this synergy and would be a boon for our industries, especially the MSME sector.

NIPER ACADEMIA CONNECT

In line with the Government vision of '**Sabka Saath, Sabka Vikas**', NIPER-Hyderabad organized **Academia Connect** on January 7, 2022. The event was specially organized for Heads and Faculty Members of Private Pharma Institutes in Hyderabad, to enhance their research skills and promote the cause of research and development in the pharma sector. Along with providing instruments at academic rates and intellectual guidance, NIPER-Hyderabad also wants to help and promote collaborative research with the private institutes.

Prof. Basuthkar Jagadeeshwar Rao, Honorable Vice Chancellor, University of Hyderabad appreciated efforts of NIPER-Hyderabad for organizing the event. Highlighting the cosmopolitan nature of Hyderabad, he emphasized the need of synergy among the various premier institutes of the city along with private institutes to work on collective ideas rather individual ideas. **Dr Vinay K Nandicoori, Director, Centre for Cellular and Molecular Biology, Hyderabad** suggested that strengths of stakeholders in pharma education, would ultimately help the nation in the long run. **Prof. Pramod Yeole, Honorable Vice Chancellor, Dr. Babasaheb Ambedkar Marathwada University & President, PCI, New Delhi** in his video message he acknowledged the core purpose of the event is a good step which will help the pharma industry in the long run.

Encouraging all the participants, **Dr. Shashi Bala Singh, Director, NIPER-Hyderabad**, informed that NIPER-Hyderabad is committed to the cause of inclusive development. Connecting the private institutes to the Infrastructure facilities of NIPER would not only give confidence to faculty members of private institutes but also will ultimately help their students to be more industry ready. She further emphasized that the internships will also be resourceful for the National Education Policy & Skill India Initiative of the government.

The event also included lab visit for faculty members of the participating institutes. A special round table discussion along with Principals of different institutes was also organized to understand the various possibilities and challenges faced in the pharma education. The brochure of R&D services of NIPER-Hyderabad was also released by the guests.



FIPS INTERNATIONAL E-CONFERENCE

In line with the Government objective of focusing on traditional techniques such as meditation and yoga, NIPER-Hyderabad organized FIPS International E-Conference, IX Annual Symposium of Federation of Indian Physiological Societies - 2022 on March 25-27, 2022. The theme of the conference was '**Reconnecting Physiology and Nature for a Healthy Life**'. The event was organized keeping in mind the stress undergone by everyone especially during the COVID Pandemic.

Shri. Kamlesh D. Patel (Popularly known as Daaji), Guide, Heartfulness gave a practical meditation session to all the participants to highlight how even small sessions of meditation can refresh the mind, which can help in increasing concentration and efficiency. He shared his experiences on how meditation helped him academically and professionally. For students and faculty members, he specially mentioned that stress is caused by unfinished tasks and meditation helps us in identifying those tasks.

Encouraging all the participants to include meditation in daily life, **Dr. Shashi Bala Singh**, Director, NIPER-Hyderabad, highlighted that meditation affects system physiology at molecular and cellular level to bring out positive changes. She also emphasized that meditation does not require any infrastructure or expenses unlike other activities. She shared her experience of benefiting from meditation especially when she was working in one of the coldest and highest altitude places in India.

The conference was virtually attended by more than 500 delegates. More than 200 research papers were presented by faculty, researcher scholars and students of different institutes across the world. The first day also included SK Manchanda Oration by Prof Dr KK Deepak, from AIIMS, New Delhi and Prof Dr Chandan Sen from Indiana University, USA. Plenary Lectures and Symposium on Harnessing Physiological Signals for Health Care & Research were also conducted.



INTERNATIONAL CONFERENCE ON NEXTGEN THERAPEUTICS & DIAGNOSTICS

The COVID-19 pandemic has made it inevitable to focus on faster development of new medicines, vaccines and technologies along with efficient manufacturing processes. The **International Conference on NextGen Therapeutics & Diagnostics** organized by NIPER-Hyderabad was one such step towards understanding, discussing and suggesting a way forward. The conference was organized on 20, 21 & 22 April, 2022.

The conference was inaugurated by **Dr. Shashi Bala Singh**, Director, NIPER-Hyderabad. She highlighted on the great synergistic and collaborative efforts made during the Covid-19 pandemic between the scientists, R&D organizations, manufacturers, regulators, healthcare providers and policy makers to bring the essential medicines, vaccines, diagnostic kits to the needy patients. She emphasized that the same spirit of symbiotic collaboration should be pursued to develop the Next Generation Therapeutics & Diagnostics to address the unmet medical needs. **Dr. V. K Singh**, Professor, IIT Kanpur & Founding Director of IISER Bhopal was the Chief Guest. He stressed on the need for integrating AI & ML tools in the design and development of new medicines particularly anti-viral, anti-bacterial, anti-TB and other related drugs for treating several life-threatening infectious diseases.

The conference was attended by 130 participants including 90 participants who attended physically. The poster competition also has about 60 participants both online and offline, with topics ranging from medicinal chemistry, phytochemical investigation, evaluation of antimicrobial activity, dissolution of oral thin films to 3D printed pads.



CEOs MDs ROUND TABLE MEET

First CEOs/ MDs Roundtable Meet at NIPER-Hyderabad was organized on April 24, 2022. 19 CEO's along with Students and Faculty Members of Department of Medical Devices, NIPER-Hyderabad attended the meet.

The meet was focused on CEOs and MDs of Medical Devices Park, Telangana. **Dr. Shashi Bala Singh**, Director, NIPER-Hyderabad began the meet by welcoming the CEOs and MDs of different companies. She highlighted that the Government of India under leadership of Hon'ble Prime Minister Shri Narendra Modi, is committed to make India a Global Leader in Pharmaceuticals Sector. Detailed capabilities of NIPER-Hyderabad were showcased by **Dr. Saurabh Srivastava**, Associate Professor, Associate Dean - Academics & Head - Department of Pharmaceutics and **Dr. Amit Asthana**, Associate Professor, Associate Dean - Research & Head, Department of Medical Devices, NIPER-Hyderabad.

It was a very interactive session where collaboration possibilities in research and technology development were discussed. The gathering was also addressed by **Dr. Rajiv Chhibber**, Vice President, External Affairs, Sahajanand Medical Technologies Ltd., **Mr. Naveen Vamsi**, Technical Director, Promea Therapeutics Pvt Ltd, **Dr. Ranga Reddy**, Honorary Professor University of Hyderabad, **Dr. Rachana Tripathi**, CEO, Huwel Lifesciences, **Dr. Kuldeep Raizada**, CEO & Chairman Akriti Group and **Dr. Arun**, Elvikon India Pvt Ltd.

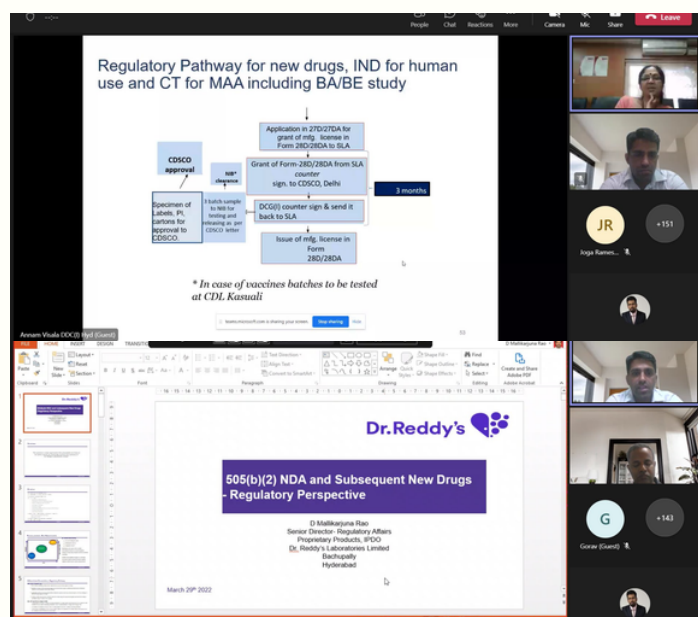


SCIENTIFIC EVENTS & TALKS



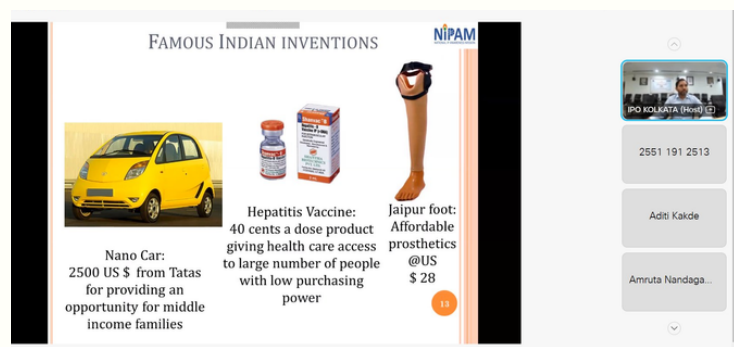
An Online Webinar on Process Development for Production of Various Microbial Metabolites and use of Enzymes & Wholecells for Synthesis of Drugs and Drug Intermediates was organized at NIPER-Hyderabad on January 3, 2022. Prof. UC Banerjee, Professor, Amity University, Chandigarh was the speaker. The webinar was well attended by students and external participants.

Dr Christoph Arenz, Professor for Organic and Bioorganic Chemistry, Managing Director Institute for Chemistry, Humboldt Universität zu Berlin, Germany delivered a Talk on Chemical Biology of Lipids: From Target to Drug on March 2, 2022. The talk produced relevant information about significance of enzymes as a disease target. Students and Faculty Members also asked their doubts with respect to research.



Under the Azadi Ka Amrit Mahotsav, a Short Term course on Awareness Course on Recent Changes in Indian and Global Regulatory Landscape for MSMEs, Startups, Industry Professionals and Students was organized by NIPER-Hyderabad on March 29, 2022. Ms Annam Visala, Deputy Drug Controller, Central Drugs Standard Control Organization (CDSCO), Hyderabad & Dr. D Mallikarjuna Rao, Senior Director- Regulatory Affairs, Proprietary Products, IPDO, Dr. Reddy's Labs Ltd, Hyderabad were the speakers. Objectives of the workshop were to provide awareness and recent updates about landslide shifts in Indian Drug regulations and high impacting hybrid-NDA of US-FDA's as a Global scenario.

A Session on Awareness Related to Intellectual Property Rights IPRs was organized by Patent Office, Kolkata under DPIIT, GoI with NIPER Hyderabad on April 8, 2022. Mr. Brij Mohan Singh, Examiner of Patents & Designs (Gr 'A' Gazetted), The Patent Office, Kolkata, DPIIT, Ministry of Commerce & Industry, Government of India was the speaker.



SCIENTIFIC EVENTS & TALKS

3 Day Hands-on Experience on Instruments & Techniques for 3D Printer, Cell culture and Nanotechnology based Drug Delivery was organized at NIPER-Hyderabad during April 5-7, 2022. **Bijay Kumar Padhi, PhD**, Senior Director, Pharmaceutical Development, India R&D Lead, Ferring Pharmaceuticals and **Dr. Anand Kulkarni**, Head-Formulations, Sandoz Development Center, Novartis Healthcare Pvt. Ltd. 50 Participants had registered for the workshop. Participants learned about the principal, theory, working and practical handling of 3D Printer, Cell based assays, MTT, Cellular uptake, Flow cytometry, Ganson's Granulator, Texture Analyser, Lyophilizer, High Pressure Homogenizer, Lipid Extruder Technology, Franz Diffusion Cell, Osmometer, Scanning Electron Microscopy, Zetasizer



FDP Workshop on Animal Cell Culture Techniques was held at NIPER-Hyderabad on May 23 to June 3, 2022. The workshop is conducted under the Skill Vigyan Initiative Scheme of Department of Biotechnology, Government of India and Coordinated by Telangana State Council of Science and Technology (TSCOST) and NIPER-Hyderabad. Candidates were given training on Basics of Cell Culture & MTT Assay, Introduction to Cell Culture, Subculture/ Freezing/ Thawing/ Staining, DNA Isolation / PCR, Design of Cell Culture Laboratory and Animal Handling, Protein Isolation and Electrophoresis, RNA Isolation/ RT PCR and Introduction to Cell Death Mechanism, Basic Flowcytometry.

Six Month Entrepreneurship Development Program has started at NIPER-Hyderabad from March 28, 2022 onwards. The program will continue till September 2022 in association with Telangana State Council of Science and Technology (TSCOST). **Mrs. N. Sumathi**, Assistant Director, MSME-DI, Hyderabad addressed participants during Orientation Session.





FDP Workshop on 'Molecular Docking, Virtual Screening and Computational Biology' was organized at NIPER-Hyderabad from March 28 to April 8, 2022. 17 External Participants along with students and faculty members of NIPER-Hyderabad were a part of the FDP.

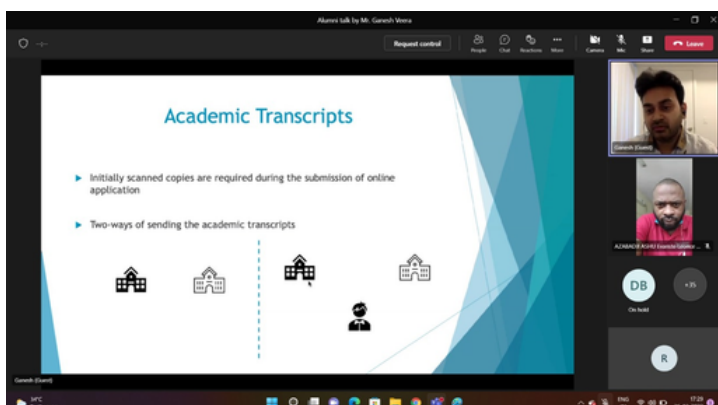
The FDP was conducted under the Skill Vigyan Initiative Scheme of Department of Biotechnology, Govt. of India & Coordinated by Telangana State Council of Science and Technology (TSCOST) and NIPER-Hyderabad. Main objective is to make the participants able to use as many different tools or software to perform Molecular Docking and Virtual screening.

High-End Workshop on Solid State Characterization of Pharmaceuticals: Theory and Hands-on Experience was organized at NIPER-Hyderabad during June 6-15, 2022. The workshop was sponsored by Science and Engineering Research Board - SERB, Department of Science and Technology, Government of India under ABHYAAS Scheme



Avishkaran- NIPER Hyderabad organized a seminar on 24th June, 2022 to motivate students, researchers, faculty, scientists and staff to come up with innovative ideas and pursue entrepreneurship as a career opportunity. **Dr. Debashis Dutta**, Founder and Director of RR Animal Health Care Ltd. & **Dr. Sidharth Arora** Founder and CEO, Fermentech Labs Private Limited shared their entrepreneurial journey and experiences.

ALUMNI TALKS



Mr. Veera Ganesh Yerra, Postdoctoral Research Fellow, Keenan Research Centre for Biomedical Sciences, Toronto, Canada gave a session on Academic Opportunities in North America: The Application Process and Key Challenges on March 26, 2022. Students learnt about new avenues of studying abroad and also learnt about the various other career options abroad and specific research areas which universities are focusing on.

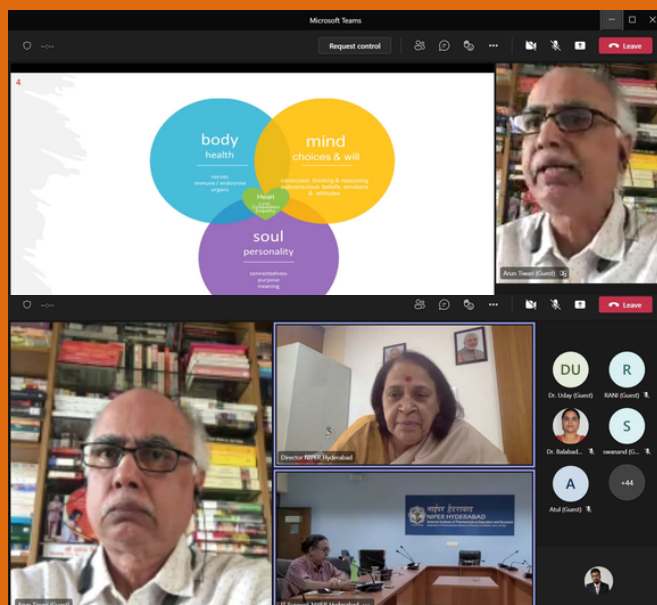
VISIT OF JOINT SECRETARY TO NIPER- HYDERABAD CAMPUS

Faculty, Staff & Students of NIPER-Hyderabad were privileged to have the esteemed presence of Shri Rajneesh Tingal, Joint Secretary, Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India on February 23, 2022.

Shri Tingal visited various laboratories of the Institute. He interacted faculty, research scholars and students.



**LEADERSHIP
LECTURE SERIES**



Leadership Lecture Series from Good to Great was organized at NIPER-Hyderabad on January 12, 2022. Mr. Arun Tiwari, Renowned Indian Missile Scientist, Author & Professor was the speaker.

202 Participants attended the lecture virtually. The session emphasized on making the best of every situation and positive approach in problem solving. The speaker shared his experiences focusing on out-of-box thinking.

GUEST TALKS



Prof. Kinnera Murthy, Strategy Consultant, Former Professor - Strategy, ASCI, Hyderabad delivered a session on **National Girl Child Day** on January 24, 2022. 240 internal and external participants, were a part of the event. Prof Murthy enlightened the audience about the importance and the need for celebrating this day.

Dr. Pratibha Jolly, Science and Society Fellow, NASI & PI GATI conducted an **Online Webinar on GATI: Catalyzing Change**. 110 participants attended the webinar online. The webinar produced relevant information on the GATI Project which would help the female students and faculty to make the best use of the opportunities available for them.



Dr. Gautam Banerjee, Head Scientist, Tata Medical and Diagnostics delivered a session as a part of **Entrepreneurship Talk Series**, organized by Avishkaran, NIPER-Hyderabad on March 11, 2022. The topic of the talks was Translational research: The distance between an idea & its realization. Students were highlighted about the importance of entrepreneurial mindset in pharma sector to solve present problems.

Dr. G. Taru Sharma, Director, NIAB-Hyderabad and Dr. Manorama Patri, Assistant Professor, Department of Zoology, Ravenshaw University spoke on **Gender Equality Today for a Sustainable Tomorrow** as a part of International Women's Day Celebrations on March 8, 2022 at NIPER-Hyderabad. The Event celebrated Women making significant contribution in Science over the years.



Heartfulness Meditation was organized for students of NIPER-Hyderabad during March 14-16, 2022. Mr. Vemuri Ramana and Ms. Mohanavalli, were the speakers from Heartfulness. Students were taught about meditation and relaxation technique.

NEW PROJECTS SANCTIONED

Two Extramural projects (ICMR) and One DHR project granted to Biological Sciences Faculty of NIPER-Hyderabad, Total: \approx Rs. 1.60 Crore for three years

- Identification of molecular reprogramming landscape of pre and post neoadjuvant chemotherapy in Gastric Cancer and its therapeutic implications by ICMR
- Targeting Chemoresistance in Breast Cancer by ICMR-DHR
- Noscapine and its derivatives for the treatment of drug tolerant persister cells in breast cancer by ICMR



Dr. Santosh Kumar Guru
Principal Investigator
Asst. Professor, NIPER-Hyd



Dr. Nitin Pal Kalia
Co-Investigator
Asst. Professor, NIPER-Hyd



Dr. Vasundhra Bhandari
Co-Investigator
Asst. Professor, NIPER-Hyd

One Extramural Project (ICMR) granted to Faculty of NIPER-Hyderabad, Total: \approx Rs. 33 Lakhs

- Product validation, preclinical testing and safety evaluation of a smart film forming topical dermal gel in the management of chemotherapy-induced peripheral neuropathy



Dr. Jitender Madan
Principal Investigator
Associate Professor, NIPER-Hyderabad



Dr. Pankaj Kumar Singh
Co-Investigator
Assistant Professor, NIPER-Hyderabad

MoUs SIGNED

- MoU signed between NIPER-Hyderabad and Jodas Expoinm Pvt. Ltd. on January 13, 2022.



- MoU signed between National Innovation Foundation and NIPER-Hyderabad on 14th January, 2022.



- MoU signed between Govin Holdings and NIPER-Hyderabad on March 1, 2022.



MoUs SIGNED

- MoU signed between NIPER-Hyderabad and KL University on April 11, 2022.



- MoU signed between NIPER-Hyderabad and Huwel Lifesciences on April 29, 2022 at First CEOs/ MDs Roundtable Meet



- MoU signed between NIPER-Hyderabad and Zeus Hygia Lifesciences Pvt Ltd on May 18, 2022.



STUDENT VISIT

- Students & Faculty of NIPER-Hyderabad attended 3 days International Conference on India Pharma and India Medical Devices 2022, New Delhi



- Students of Department of Medical Devices, NIPER Hyderabad visited Huwel Lifesciences Pvt Ltd, Medical Devices Park, Sultanpur, Hyderabad. They interacted with Dr Shesheer Kumar & Dr Rachana Tripathi.



#Proudofmydaughter CAMPAIGN

Director, Faculty and Staff of NIPER-Hyderabad shared images with their daughters on the occasion of National Girl Child Day



EVENTS & CELEBRATIONS



NIPER-Hyderabad celebrated **73rd Republic Day** on January 26, 2022. **Dr. Shashi Bala Singh**, Director, unfurled the national flag in the Campus. In her speech she highlighted that our nation is a great example of synergy. **Prof. JPN Mishra** delivered a speech about patriotism and how we can contribute to the progress of the Nation as an individual. The event also saw numerous performances from staff and students.

Faculty and students of NIPER-Hyderabad took part in the induction-cum-Training Program organized by Indian Pharmacopoeia Commission on February 24, 2022. The session provided valuable insights to the students.



NIPER-Hyderabad celebrated **National Science Day** on February 28, 2022. Faculty and Students of NIPER-Hyderabad attended the celebrations. External participants included faculty members and students of Malla Reddy University, Hyderabad were also invited. Approximately 300 people were part of the celebrations.

Dr Anand Govindaluri, Founder and Managing Director, Govin Holdings addressed the audience during Entrepreneurship Talk on Maximizing R&D Potential of Academia organized by Avishkaran, NIPER-Hyderabad on March 1, 2022. Students were motivated to pick up entrepreneurial dreams and be job providers rather than job seekers.



International Women's Day was celebrated in NIPER-Hyderabad on March 8, 2022. The function saw session on **Gender Equality Today for a Sustainable Tomorrow**. This was followed by further discussion and group photo as per Break the Bias theme.



EVENTS & CELEBRATIONS



As advised by the Ministry of Home Affairs, Government of India, the first Wednesday of every month is to be observed for Cyber Awareness and Security via Cyber Jaagrookta (Awareness) Diwas. In this regard Cyber Jaagrookta Diwas was celebrated on May 4, 2022 and June 1, 2022. The sessions on Cyber Awareness was organized for Staff Members with respect to awareness about various cyber crimes and cyber security issues.

NIPER-Hyderabad proactively celebrated the International Yoga Day by organizing numerous events related to Yoga. On 17th June, 2022 an Introductory Session on Yoga was organized at NIPER-Hyderabad. The session was conducted by Dr. Kishan, Pranayama expert, Vemana Yoga Research Institute, Dept. of Ayush, Govt. of Telangana. The main objective of the session was to make the participants aware of the basic asanas of Yoga.



The 8th International Day of Yoga was conducted by Dr. Abhishek, Naturopathy & Yoga expert, Vemana Yoga Research Institute, Dept. of Ayush, Govt. of Telangana. Dr. Shashi Bala Singh, Director, NIPER-Hyderabad emphasized the importance of yoga and insisted that yoga practice should be inculcated as a daily routine for a better life. Asanas done on the occasion included Bhastrika Pranayama, Anulom-Vilom Pranayama, Bhramari Pranayama, Vriksh Asan, Tadasan, Vakrasan, Trikonasan, Dandasan, Bhujang Asan, Makarasan, Vajra Asan, Ushtra Asan, Arth Chakra Asan and others. The event concluded with presentation of memento to the Yoga expert.



In the evening another training program with Amrita Vishwa Vidyapeetham titled Internet to InnerNet with Integrated Amrita Meditation Technique was also organized in the Auditorium of NIPER-Hyderabad. Dr. Narinder Anand, National Coordinator Youth Empowerment Group Amrita Vishwa Vidyapeetham Amritapuri, Kerala was the trainer of the session.



8TH BOG MEETING OF NIPER HYDERABAD



8th Board of Governors Meeting of NIPER-Hyderabad was organized on February 28, 2022.

FICCI INDUSTRY NIPER CONSULTATION



Federation of Indian Chambers of Commerce & Industry (FICCI) held Industry NIPER Consultation on topic Addressing Skill Gaps & Strengthening Industry Academia Linkages in the Pharma Sector with NIPER Hyderabad on June 16, 2022.

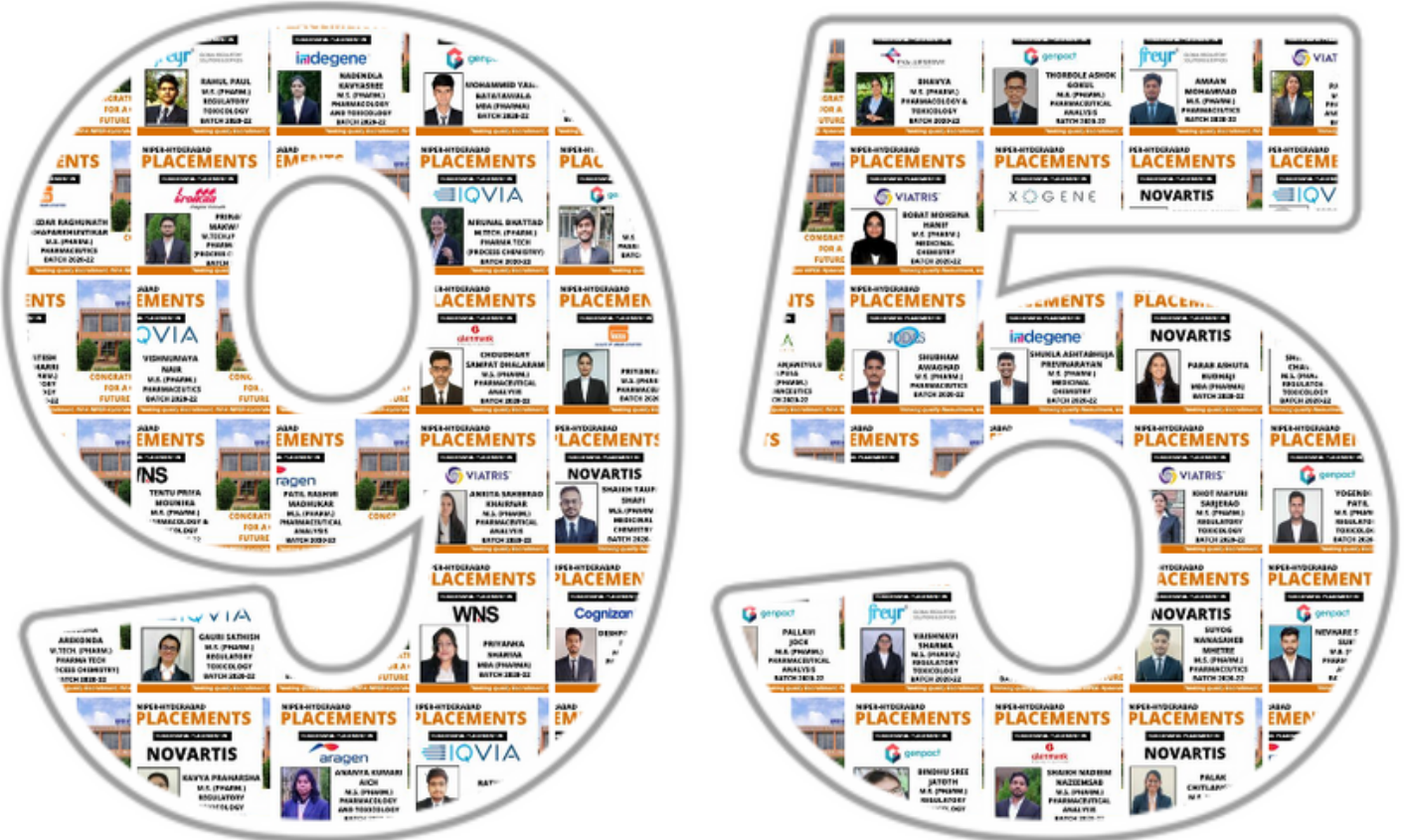
VISIT OF U.S. PHARMACOPEIA



It was a matter of great pride to host senior management team of U.S. Pharmacopeia at NIPER Hyderabad. The Director & Faculty interacted with the team of USP with respect to research collaborations. The team also visited various labs at NIPER Hyderabad.

PLACEMENTS

The vibrant and brilliant students of NIPER-Hyderabad (Batch 2020-22) from various disciplines have received placements in multi-national companies. About 95% of the students are being placed through campus placements in both national and multi-national pharma companies.



NIPER HYDERABAD PLACEMENTS

Johnson & Johnson Dr.Reddy's genpact NOVARTIS

EVALUESERVE X GENE AXTRIA VIATRIS indegene
IQVIA WNS GLAND PHARMA LIMITED freyr GLOBAL REGULATORY SOLUTIONS & SERVICES glenmark
A new way for a new world

AND MANY MORE

PHD AWARDED

S.No	Reg.No	Student Name	Guide/Co-Guide	Title of the thesis
1.	PE-Ph.D/2017/303	Mr. Tomar Devendrasingh	Dr. Nalini Shastri	"Solid-State Modification of Lumefantrine to Improve Pharmaceutical and Biopharmaceutical Attributes"
2.	PC-Ph.D/2016/202	Mr. Mohd Aslam Saifi	Dr. G. Chandraiah	"Novel therapeutic approaches for amelioration of renal fibrosis"
3.	PA-Ph.D/2016/101	Mr. Amrej Singh Yadav	Dr. S. Gananadhamu	"Impurity Profiling, Forced Degradation and Bioanalysis of Selected Drugs by HPCL and LC-Q-TOF Mass Spectrometry"
4.	PE-Ph.D/2017/302	Mr. Thakor Pradipkumar Mansinh	Dr. Nalini Shastri	"Nano-Size Cocrystal: Preparation Characterization and Evaluation"
5.	MC-Ph.D/2016/03	Ms. Manasa K	Dr. Neelima/ Dr. Shankaraiah	"Design, Synthesis and Biological Evaluation of Azepinone-based Heterocyclic Compounds as Potential Anticancer Agents and Development of a Novel Methodology for the Synthesis of N-Heterocycles"
6.	MC-Ph.D/2016/05	Ms. Priti Singh	Dr. Md. Arifuddin/Dr. Y. V. Madhavi	"Design, synthesis and Biological Evolution of IndoleSulphonamides and Sulfocoumarin Derivatives as carbonic anhydrase inhibitors and Development of a new method for 2-substituted-4-quinolones"
7.	MC-Ph.D/2016/02	Ms. Kritika Laxmikeshav	Dr. Shankaraiah	"Design, Synthesis and Biological Evaluation of Benzimidazole Derivatives as Potential Cytotoxic Agents and Development of Sustainable Methodologies for Synthesis of Indole-3-propargyl alcohol/Imidazoheterocycles"
8.	MC-Ph.D/2016/07	Mr. Sakla Akash Parasmal	Dr. Shankaraiah	"Design and Synthesis of 2-Oxindole Derivatives as Cytotoxic Agents and Development of New Synthetic Methodologies"
9.	PC-Ph.D/2017/203 EMR	Ms. Pratibha	Dr. G. Chandraiah	"Therapeutic Exploration of Nimbolide for the Treatment of Rheumatoid Arthritis"
10.	PC-Ph.D/2018/203 EMR	Ms. Gundu Chayanika	Dr. Shashi Bala Singh/ Dr. Dharmendra Kumar Khatri	"Evaluation of Pharmacological Interventions to Modulate Endoplasmic Reticulum Stress in Experimental Diabetic Neuropathy"
11.	MC-Ph.D/2016/08	Mr. Santosh Kumar Sahoo	Dr. Y. V. Madhavi	"Design, Synthesis and Biological Evaluation of New Isoxazole, Benzoxazole and Benzothiazinone Derivatives as Antitubercular Agents"
12.	MC-Ph.D/2016/06	Mr. Ravikumar Akunuri	Dr. Nanduri Srinivas	"Synthesis and Biological Evaluation of Diverse Heterocyclic Libraries as Anticancer and Antimicrobial Agents"

FACULTY



Prof. Nanduri Srinivas
Professor,
Process Chemistry



Dr. N. Shankaraiah
Associate Professor,
Medicinal Chemistry



Dr. Jitender Madan
Associate Professor,
Pharmaceutics



Dr. Saurabh Srivastava
Associate Professor,
Pharmaceutics



Dr. Amit Asthana
Associate Professor,
Medical Devices



Dr. S. Gananandham
Assistant Professor,
Pharmaceutical Analysis



Dr. B. Lakshmi
Assistant Professor,
Pharma Management



Dr. Y.V. Madhavi
Assistant Professor,
Process Chemistry



Dr. Chandraiah Godugu
Assistant Professor,
Regulatory Toxicology



Dr. Pankaj Kumar Singh
Assistant Professor,
Pharmaceutics



Dr. Neelesh Kumar Mehra
Assistant Professor,
Pharmaceutics



Dr. K. Venkata Rao
Assistant Professor,
Medicinal Chemistry



Dr. Manoj Dandekar
Assistant Professor,
Pharmacology &
Toxicology



Dr. Rajesh Sonti
Assistant Professor,
Pharmaceutical Analysis



Dr. Amol G. Dikundwar
Assistant Professor,
Pharmaceutical Analysis



Dr. Nitin Pal Kalia
Assistant Professor,
Pharmacology &
Toxicology



Dr. Priyanka Bajaj
Assistant Professor,
Process Chemistry



Dr. Santosh Kumar Guru
Assistant Professor,
Pharmacology &
Toxicology



Dr. Vasundhra Bhandari
Assistant Professor,
Pharmacoinformatics



Dr. Deepika Chilkuri
Assistant Professor,
Pharma Management



Dr. Dharmendra Khatri
Assistant Professor,
Pharmacology &
Toxicology



Dr. Sandeep Kumar
Assistant Professor,
Regulatory Affairs



Dr. Sunil Gupta
Assistant Professor,
Pharmacoinformatics



Dr. Shantimoy Kar
Assistant Professor,
Medical Devices



Dr. Gautam Kumar
Assistant Professor,
Natural Products



Dr. K. Vinaykumar
DST Inspire Faculty,
Process Chemistry



Dr. Vivek Borse
DST Inspire Faculty,
Medical Devices

STAFF



Mr. Sanjeev Lohani
Finance & Accounts
Officer



**Mr. Manzoor
E Mustafa**
System Engineer



Mr. Kailash Singh
Estate & Security
Officer



Mr. Manoj Dhote
Guest House & Hostel
Supervisor



**Mr. Trilok Nath
Chaturvedi**
Administrative Officer



Dr. Meenu Kumari
Scientist / Technical
Supervisor Grade I



Dr. Dadi A Srinivasa Rao
Scientist / Technical
Supervisor Grade I



Dr. Rahul Kumar
Scientist / Technical
Supervisor Grade I



Mr. S. Narendra Babu
Secretary to
Director



Dr. Nandkumar Doijad
Scientist / Technical
Supervisor Grade II



Dr. Ravi Kumar
Public Relation
Officer



**Mr. B. Pavana
Lakshmana Teja**
Secretary to Registrar



Mrs. Srishti Paliwal
Scientist / Technical
Supervisor Grade II



Mr. Hara Prasad Padhy
Scientist / Technical
Supervisor Grade II



Dr. Anamika Sharma
Scientist / Technical
Supervisor Grade II



Mr. Suresh Reddy Velagala
Receptionist cum Telephone
Operator



Mr. Lokendra
Storekeeper



Mr. Chintamani Swain
Accountant



Mr. Mayank Singh Sachan
Accountant



Mr. Ganesh N S
Assistant Grade I



**Mr. Kaila
Nandeeshwar Reddy**
Assistant Grade II



Mr. Jitendra Bhatt
Assistant Grade II



**Mr. Mattaparthi
Sai Sandeep**
Assistant Grade II



Ms. Nidhi Pandey
Assistant Grade II



**Mr. Patel Muni
Kumar Rao**
Assistant Grade II



Mr. Abhishek Tiwari
Junior Technical
Assistant



Mr. Saka Vishnukalyan
Junior Technical
Assistant



Ms. Yasala Rishitha
Junior Technical
Assistant



Mr. Swaraj Raj
Junior Technical
Assistant



Mr. Harsh Vishwakarma
Junior Technical
Assistant

ACHIEVEMENTS



Rankings for Scientist

University, Subject,
Country, Region, World

**Faculty Members of NIPER-Hyderabad
have been featured in the AD Scientific
Index - Scientist Rankings - 2022**



**Dr. N.
Shankaraiah**



**Dr. Chandraiah
Godugu**



**Dr. Neelesh
Kumar Mehra**



**Dr. Santosh
Kumar Guru**



**Dr. Nitin
Pal Kalia**



**Dr. Vasundhra
Bhandari**



**Dr. Amit
Asthana**



**Dr. S.
Gananadhamu**



**Dr. Neeraj
Kumar**



**Dr. K. Venkat
Rao**



**Dr. Saurabh
Srivastava**



**Dr. Sandeep
Kumar**

Congratulations... for Double Achievement

Mr Mohd Aslam Saifi



Mr Mohd Aslam Saifi, Research Scholar from Department of Biological Sciences has successfully defended his PhD Thesis entitled as '**Novel Therapeutic Approaches for Amelioration of Renal Fibrosis**' on 21st Feb, 2022 under the guidance of **Dr Chandraiah Godugu**.

He is also selected as Post Doctoral Fellow at Brigham and Women's Hospital, Harvard Medical School



**BRIGHAM AND
WOMEN'S HOSPITAL**



**HARVARD
MEDICAL SCHOOL**

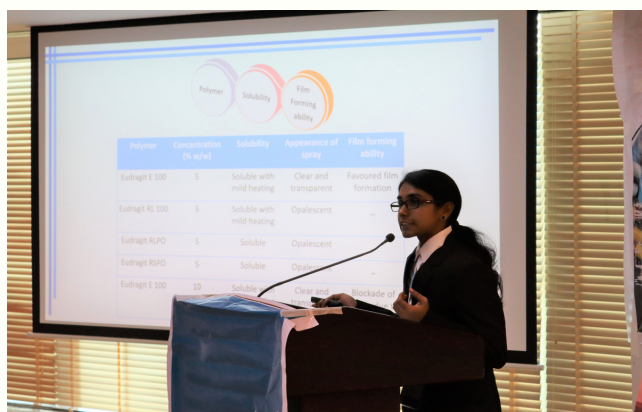
ACHIEVEMENTS



NIPER-HYDERABAD CONGRATULATES

***Ms. Vaskuri G S
Sainaga Jyothi***

*NIPER-Hyderabad student Ms. Vaskuri G S
Sainaga Jyothi from Pharmaceutics
Department has been awarded SERB-ITS
Travel grant to attend 2nd International
conference on 'Pharmaceutics and Drug
Delivery Systems' at UAE on 16th and 17th
May, 2022.*



PUBLICATIONS

- Design, synthesis of DNA-interactive 4-thiazolidinone-based indolo-/pyrroloazepinone conjugates as potential cytotoxic and topoisomerase I inhibitors; Kadagathur, M.; Patra, S.; Panda, B.; George, J.; Phanindranath, R.; Shaikh, A. S.; Sigalapalli, D. K.; Godugu, C.; Nagesh, N.; Tangellamudi, N. D.; Shankaraiah, N. *Eur. J. Med. Chem.* 2022, 238, 114465
- Brown seaweed-derived alginic acid: An efficient and reusable catalyst for Pictet-Spengler reaction to access tetrahydro- β -carboline and tetrahydroisoquinoline frameworks; Soni, J. P.; Sathish, M.; Nachtigall, F. M.; Santos, L. S.; Shankaraiah, N. *Asian J. Org. Chem.*, 2022, 11, e202200129
- The Expedition of Azido-reductive Cyclization Approaches towards Various Heterocycles; Soni, J. P.; Jadhav, N.; Shankaraiah, N. *Curr. Org. Chem.*, 2022, 26, 382-398
- The syntheses and medicinal attributes of phenanthrenes as anticancer agents: a quinquennial update; Jhingran, S.; Laxmikeshav, K.; Sayali, M.; Rao, K. V.; Shankaraiah, N. *Curr. Med. Chem.*, 2022, 29, 3530–3556
- Contribution of Knoevenagel Condensation Products toward the Development of Anticancer Agents: An Updated Review; Tokala, R.; Bora, D.; Shankaraiah, N. *ChemMedChem*, 2022, 17, e202100736
- Exploration of Mercaptoacetamide-linked Pyrimidine-1,3,4-Oxadiazole Derivatives as DNA Intercalative Topo II inhibitors: Cytotoxicity and Apoptosis Induction; Shaikh, A. S.; Kiranmai, G.; Devi, G. P.; Makhal, P. N.; Sigalapalli, D. K.; Tokala, R.; Kaki, V. R.; Shankaraiah, N.; Nagesh, N.; Babu, B. N.; Tangellamudi, N. D. *Bioorg. Med. Chem. Lett.*, 2022, 65, 128697
- Synthesis of indolo/pyrroloazepinone-oxindoles as potential cytotoxic, DNA-intercalating and Topo I inhibitors; Kadagathur, M.; Shaikh, A. S.; Panda, B.; George, J.; Phanindranath, R.; Sigalapalli, D. K.; Godugu, C.; Nagesh, N.; Shankaraiah, N.; Tangellamudi, N. D. *Bioorg. Chem.* 2022, 122, 105706
- One-pot, microwave-assisted copper(I)-catalysed dithiocarbamation: facile introduction of dithiocarbamate on imidazopyridines; Laxmikeshav, K.; Sakla A. P.; Shankaraiah, N. *Green. Chem.*, 2022, 24, 1259–1269
- Role of Histone demethylases and histone methyltransferases in triple-negative breast cancer: epigenetic mnemonics; Mandumpala, J. J.; Baby, S.; Tom, A. A.; Godugu, C.; Shankaraiah, N. *Life Sciences* 2022, 292, 120321
- Ru(II)-Catalyzed Regioselective C–N Bond Formation on Benzothiazoles Employing Acyl Azide as an Amidating Agent; John, S. E.; Bora, D.; Dhimam, V.; Tokala, R.; Gananadhamu, S.; Shankaraiah, N. *ACS Omega* 2022, 7, 1299–1310
- Exploration of benzimidazoles as potential microtubule modulators: An insight in the synthetic and therapeutic evolution; Laxmikeshav, K.; Ambati, H.; Shankaraiah, N. *J. Mol. Str.* 2022, 1253, 132251
- Expedition of sulfur-containing heterocyclic derivatives as cytotoxic agents in medicinal chemistry: A decade update; Laxmikeshav, K.; Kumari, P.; Shankaraiah, N. *Med. Res. Rev.*, 2022, 42, 513-575

PUBLICATIONS

- Ankaj Kumar, Valamla Bhavana, Thakor P, Padakanti Sandeep Chary#, Naveen Rajana, Neelesh Kumar Mehra. Development and Evaluation of Nanocrystals Loaded Hydrogel for Topical Application . J Drug Delivery science Technology. 2022 in press (Impact factor 3.98)
- Deepa Nakmode, Valamla Bhavana, Pradip Thakor, Jitender Madan, Pankaj Kumar Singh, Shashi Bala Singh, Jessica M. Rosenholm, Kuldeep K. Bansal, Neelesh Kumar Mehra. Biopharmaceutical Aspects of Lipid Excipients in Lipid based Formulations. Pharmaceutics. 2022 s 2022, 14, 831 (1-28) (Impact factor 6.3)
- Sharma R, Kuche K, Thakor P, Bhavana V, Srivastava S, Mehra NK, Jain S. Chondroitin Sulfate: Emerging biomaterial for biopharmaceutical purpose and tissue engineering. Carbohydrate Polymer. 2022; 286, 119305 (Impact factor 9.38).
- Valamla B, Thakor P, Phuse R, Dalvi M, Kharat P, Kumar A, Panwar D, Singh SB, Giorgia P, Mehra NK. Engineering drug delivery systems to overcome the vaginal mucosal barrier: Current understanding and research agenda of mucoadhesive formulations of vaginal delivery. Journal of Drug Delivery Sci Technol. 2022; 70, April 2022, 103162 (Impact factor: 3.98).
- Ayusha Dandekar, Natasha Ajokwar, Chanti Katta, Dharmendra Khatri, Vaskuri GS Sainaga Jyothi, Rupinder Kaur sodhi, Neelesh Kumar Mehra, Shashi Bala Singh, Jitender Madan. Inhalable polymeric micro and nano-immunoadjuvants for developing therapeutic vaccines in the treatment of non-small cell lung cancer. Curr Pharm Design. 2021; 17: 1-15 (Impact factor 3.11).
- Khatri, D. K.; Preeti, K.; Tonape, S.; Bhattacharjee, S.; Patel, M.; Shah, S.; Singh, P. K.; Srivastav, S.; Gugulothu, D.; Vora, L.; Singh, S. B. Nanotechnological Advances for Nose to Brain Delivery of Therapeutics to Improve the Parkinson Therapy. Curr. Neuropharmacol. 2022, 20.
- Jyothi, V. G. S. S.; Pawar, J.; Fernandes, V.; Kumar, R.; Singh, C.; Singh, S. B.; Madan, J.; Khatri, D. K. Film Forming Topical Dermal Spray of Meloxicam Attenuated Pain and Inflammation in Carrageenan-Induced Paw Oedema in Sprague Dawley Rats. J. Drug Deliv. Sci. Technol. 2022, 103195. <https://doi.org/10.1016/j.jddst.2022.103195>.
- Singh, S. C.; Choudhary, M.; Mourya, A.; Khatri, D. K.; Singh, P. K.; Madan, J.; Singh, H. Acute and Subacute Toxicity Assessment of Andrographolide-2-Hydroxypropyl- β -Cyclodextrin Complex via Oral and Inhalation Route of Administration in Sprague-Dawley Rats. Sci. World J. 2022, 2022, 1–9. <https://doi.org/10.1155/2022/6224107>.
- Atmakuri, S.; Nene, S.; Khatri, D.; Singh, S. B.; Sinha, V. R.; Srivastava, S. Forging Ahead the Repositioning of Multitargeted Drug Ivermectin. Curr. Drug Deliv. 2022, 19. <https://doi.org/10.2174/1567201819666220516163242>.
- Prajapati, B.; Maji, I.; Kumar, R.; Tomar, D.; Khatri, D. K.; Madan, J.; Singh, P. K. Strategy to Counteract the Pyrazinamide Induced Hepatotoxicity by Developing Naringin Based Co-Amorphous System with Supplementary Benefits. J. Drug Deliv. Sci. Technol. 2022, 69, 103181. <https://doi.org/10.1016/j.jddst.2022.103181>.

PUBLICATIONS

- Morya, A.; Chaudhary, M.; Neupane, N. P.; Verma, A.; Sodhi, R. K.; Khatri, D. K.; Madan, J. Iodinated Curcumin as a Novel Anti-Bacterial Agent to Combat Methicillin-Resistant Staphylococcus Aureus in Bovine Mastitis: In Silico Analysis, Synthesis and in Vitro Evaluation. Lett. Drug Des. & Discov. 2022, 19. <https://doi.org/10.2174/1570180819666220510125842>.
- KHATRI, D. K. Polymer Nanotherapeutics: A Versatile Platform for Effective Rheumatoid Arthritis Therapy. J. Control. Release 2022. <https://doi.org/10.1016/j.jconrel.2022.05.054>.
- Jyothi, V. G. S. S.; Ghouse, S. M.; Khatri, D. K.; Nanduri, S.; Singh, S. B.; Madan, J. Lipid Nanoparticles in Topical Dermal Drug Delivery: Does Chemistry of Lipid Persuade Skin Penetration? J. Drug Deliv. Sci. Technol. 2022, 69, 103176. <https://doi.org/10.1016/j.jddst.2022.103176>.
- Sherkhane, B.; Kalvala, A. K.; Arruri, V. K.; kumar Khatri, D.; Singh, S. B. Renoprotective Potential of Myo-Inositol on Diabetic Kidney Disease: Focus on The~role of the {PINK}1/Parkin Pathway and Mitophagy Receptors. J. Biochem. Mol. Toxicol. 2022. <https://doi.org/10.1002/jbt.23032>.
- Gundu, C.; Arruri, V. K.; Sherkhane, B.; Khatri, D. K.; Singh, S. B. Indole-3-Propionic Acid Attenuates High Glucose Induced {ER} Stress Response and Augments Mitochondrial Function by Modulating PERK-IRE1-ATF4-CHOP signalling in experimental diabetic neuropathy. Arch. Physiol. Biochem. 2022, 1–14. <https://doi.org/10.1080/13813455.2021.2024577>.
- Gundu, C.; Arruri, V. K.; Sherkhane, B.; Khatri, D. K.; Singh, S. B. Indole-3-Propionic Acid Attenuates High Glucose Induced ER Stress Response and Augments Mitochondrial Function by Modulating PERK-IRE1-ATF4-CHOP Signalling in Experimental Diabetic Neuropathy. Arch. Physiol. Biochem. 2022, 1–14. <https://doi.org/10.1080/13813455.2021.2024577>.
- Gundu, C.; Arruri, V. K.; Sherkhane, B.; Khatri, D. K.; Singh, S. B. GSK2606414 attenuates PERK/p-eIF2 α /ATF4/CHOP axis and augments mitochondrial function to mitigate high glucose induced neurotoxicity in N2A cells. Curr. Res. Pharmacol. Drug Discov. 2022, 100087. <https://doi.org/10.1016/j.crphar.2022.100087>.
- U Brahma, A Suresh, S Murthy, V Bhandari*, P Sharma*. Antibiotics resistance and molecular profiling of the clinical isolates of Staphylococcus aureus causing bovine mastitis from India. Microorganisms, 2022; 10 (4), 833. (Shared corresponding author).
- R Kumar, T Amruthanjali, S Singothu, SB Singh, V Bhandari. Uncoupling proteins as a therapeutic target for the development of new era drugs against neurodegenerative disorder. Biomedicine & Pharmacotherapy, 2022: 147, 112656.
- Roy, L.; Buragohain, P.; Borse, V. Strategies for Sensitivity Enhancement of Point-of-Care Devices. Biosens. Bioelectron. X 2022, 10, 100098.
- Kanchupalli, V.* S. Kumar, S. Nunewar, T. Sabbi, “Synthesis of Indenone Derivatives by Rh(III)-Catalyzed C-H Functionalization of Sulfoxonium Ylides with 1,3-Diynes” Org. Lett. 2022, 24, 3395–3400.

PUBLICATIONS

- Kanchupalli, V.* S. Nunewar, S. Kumar, H. Pendam P., Pradeep G., "Solvent Controlled Rh(III)-Catalyzed Switchable [4+2] Annulation of 2-ArylIndoles with Iodonium Ylides" Chem. Commun., 2022,58, 6140-6143.
- Kanchupalli, V.; Kalepu, J.; Joseph, D.; Arshad, M.; Thorbole, L.; Katukojvala, S. "Rhodium-Catalyzed Enal-Transfer with N-Methoxypyridazinium Salts" Org. Lett. 2022, 24, 3850–3854.
- Kanchupalli, V.* S. Kumar, S. Nunewar, "Rh (III)-Catalyzed Cross-Coupling/Annulation of Two Carbene Precursors: Construction of Dihydrobenzo [c] chromen-6-one Scaffolds and Application in the Total Synthesis of Cannabinol" Asian. J. Org. Chem. 2022, 11, e202100689 (Selected for Hot topic)
- Pankaj Goyal, Vartika Mishra, Isha Dhamija, Neeraj Kumar, Sandeep Kumar*, "Immobilization of Catalase on Functionalized Magnetic Nanoparticles: A Statistical Approach", (2022), 3 Biotech(IF-2.4) doi:10.1007/s13205-022-03173-8
- Sabnis Chetan, Joga Ramesh, Simran, Sandeep Kumar, Neeraj Kumar, "The potential of novel self-assembled functionalized carbon nanotubes for selective tumor targeting", (2022) Pharmaceutical Patent Analyst. (Accepted)
- Aslam Saifi, Mohd, Rishabh Hirawat, and Chandraiah Godugu. "Lactoferrin-Decorated Cerium Oxide Nanoparticles Prevent Renal Injury and Fibrosis." Biological Trace Element Research (2022): 1-9.
- Anchi, Pratibha, Biswajit Panda, Ravindra Bapu Mahajan, and Chandraiah Godugu. "Co-treatment of Nimbolide augmented the anti-arthritic effects of methotrexate while protecting against organ toxicities." Life Sciences 295 (2022): 120372.
- Saifi, Mohd Aslam, and Chandraiah Godugu. "Copper chelation therapy inhibits renal fibrosis by modulating copper transport proteins." BioFactors (2022).
- Saifi, Mohd Aslam, Arbaz Sujat Shaikh, Venkata Rao Kaki, and Chandraiah Godugu. "Disulfiram prevents collagen crosslinking and inhibits renal fibrosis by inhibiting lysyl oxidase enzymes." Journal of Cellular Physiology (2022).
- Allawadhi, Prince, Amit Khurana, Nilofer Sayed, Chandraiah Godugu, and Divya Vohora. "Ameliorative effect of cerium oxide nanoparticles against Freund's complete adjuvant-induced arthritis." Nanomedicine 17, no. 6 (2022): 383-404.
- Dhurjad, P.; Dhavaliker, C.; Gupta, K.; R. Sonti, Exploring Drug Metabolism by the Gut Microbiota: Modes of Metabolism and Experimental Approaches. Drug Metab Dispos. 2022, 50, 224.
- Applications of lipid-engineered nanoplatforms in the delivery of various cancer therapeutics to surmount breast cancer; Gupta, U.; Saren, B. N.; Khaparkhuntikar, K.; Madan, J.; Singh, P. K., J. Control. Release.2022, 22, S0168-3659
- Nanomedicine as a magic bullet for combating lymphoma; Mahajan, S.; Aalhate, M.; Guru, S. K.; Singh, P. K., J. Control. Release. 2022, 347, 211-236.
- The role of polymers and excipients for better gastric retention of captopril in past two decades; Das, U.; Wadhwa, P.; Singh, P. K.; Kalidindi, D. V.; Nagpal, K., Crit. Rev. Ther. Drug Carr. Syst

PUBLICATIONS

- Strategy to counteract the pyrazinamide induced hepatotoxicity by developing naringin based Co-amorphous system with supplementary benefits; Prajapati, B.; Maji, I.; Kumar, R.; Tomar, D.; Khatri, D. K.; Madan, J.; Singh, P. K., J Drug Deliv Sci Technol. 2022, 69, 103181.
- Development of asolectin-based liposomal formulation for controlled and targeted delivery of erlotinib as a model drug for EGFR monotherapy; Pardeshi, S.; Tiwari, A.; Titame, U.; Singh, P. K.; Yadav, P. K.; Chourasia, M. K., J. Liposome Res. 2022, 1-10.
- Identification of possible drug target for NMDA receptor and tau protein by insilico method; Parvatikar, P.; Das, K. K.; Singh, P. K.; Singh, S. B., BLDE Univ. J. Health Sci. 2022, 3, 22.
- Priyanka N. Makhal, Srinivas Reddy Dannarm, Rajesh Sonti, Arbaz Sujat Shaikh, Venkata Rao Kaki. TBHP-mediated selenocyclization of N-allylbenzamides/ benzthioamides via in situ generation of “PhSeOH” species. ChemistrySelect, 2022, 7, e202200933.
- Sandip Patra, Priyanka N. Makhal, Shubham Jaryal, Nilesh More, Venkata Rao Kaki. Anthocyanins: Plant-based flavonoid pigments with diverse biological activities. Int. J. Plant Bas. Pharm. 2022, 2, 118-127.
- Hopfner, S.M.; Lee, B.S.; Kalia, N.P.; Miller, M.J.; Pethe, K.; Moraski, G.C. (2021) Syntheses and Structure Activity Relationships of N-Phenethyl-Quinazolin-4-yl-Amines as Potent Inhibitors of Cytochrome bd Oxidase in Mycobacterium tuberculosis. Appl. Sci. 2021, 11, 9092. doi: 10.3390/app11199092.
- Thomas S.S.,; Kalia N.P.,; Pethe K. (2022) Turbidity-Based MIC Assay and Characterization of Spontaneous Drug Resistant Mutants in Mycobacterium ulcerans. Methods Mol Biol. 2387:209-217. doi: 10.1007/978-1-0716-1779-3_20

Editor



Dr. N. Shankaraiah

Co-Editor



Dr. Ravi Kumar



facebook.com/niperhyd/



[@NIPERHyd](https://twitter.com/NIPERHyd)



[@niperhyd](https://www.instagram.com/niperhyd)

**National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad
(Department of Pharmaceuticals, Ministry of Chemicals & Fertilizers, Govt. of India)**

Balanagar, Hyderabad, Telangana -500037

Ph: +91-40-23073740, +91-40-2373741, Fax: +91-40-23073751

Email: director@niperhyd.ac.in // niperhyd@gov.in

Website: www.niperhyd.ac.in