

PUBLICATIONS

- Pooja Shah, Vishal Chavda, **Snehal Patel**, Shraddha Bhadada, Ghulam Md Ashraf. "Promising Anti-stroke Signature of Voglibose: Investigation through In-Silico Molecular Docking and Virtual Screening in In-Vivo Animal Studies" *Current Gene Therapy*. October 2020, 20, 223-235 (IF: 2.435)
- Ruju Vashi, Vishal Chavda, **Snehal S Patel**. "Cerebrovascular Complications of Diabetes: SGLT-2 Inhibitors as a Promising Future Therapeutics" *Current Drug Targets*. October 2020, 20, 1-10 (IF: 2.632)
- J. P. Chavda, **H. G. Bhatt** "Systemic Review on B-RafV600E Mutation as Potential Therapeutic Target for the Treatment of Cancer" *European Journal of Medicinal Chemistry*. November 2020, 206, 112675 (IF: 5.572)
- Bhumika Patel**, Ankitkumar Patel, Abhishek Patel, **Hardik G. Bhatt**. "CoMFA, CoMSIA, molecular docking and MOLCAD studies of pyrimidinone derivatives to design novel and selective tankyrase inhibitors". *Journal of Molecular Structure*. December 2020, 1221, 128783 (IF: 2.463)
- Chirag C. Mehta, Ankitkumar Patel, **Hardik G. Bhatt**. "New molecular insights into dual inhibitors of tankyrase as Wnt signaling antagonists: 3D-QSAR studies on 4H-1,2,4-triazole derivatives for the design of novel anticancer agents" *Structural Chemistry*. December 2020, 31, 2371 – 2389 (IF: 2.081)
- V.K. Vyas**, G. Qureshi, H. Dayani, A. Jha, M. Ghate. "Pharmacophore-based identification and in vitro validation of apoptosis inducers as anticancer agents" *SAR and QSAR in Environmental Research*. November 2020, 31 (11), 869–881 (IF: 2.053)
- Shah, Vandit, and **Jigna Shah**. "Recent trends in targeting miRNAs for cancer therapy." *The Journal of pharmacy and pharmacology* vol. 72, 12 (2020): 1732-1749. (IF: 2.571)



FORTHCOMING EVENTS

International Expert lecture month March, 2021	March 1-31, 2021
International e-Conference-2021 on "Covid -19: Challenges and Opportunities in Pharmaceutical Research"	March, 18-19, 2021
One Day Thesis Writing Workshop	March 31, 2021

Institute of Pharmacy, Nirma University.
<https://pharmacy.nirmauni.ac.in/>



Inspiring Thoughts... Radiance

Institute of Pharmacy, Nirma University



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New initiatives: E-Learning Programmes

**A New Joint Certificate Course with School of Pharmacy,
University of Southern California (USC)-USA, on Type 2 Diabetes**

Optional course for B Pharm final year students on Regulatory aspects of Pharmaceutical Sciences in USA with Massachusetts College of Pharmacy and Health Sciences, Boston, USA.

SHINING STARS (GPAT EXAMINATION) B.PHARM SEMESTER VIII



Meet Patel
(AIR-40)



Nidhi Jhaveri
(AIR-112)



Harshit Barot
(AIR-112)



Karma Parikh
(AIR-241)



Disha Chawnani
(AIR-313)



Ritwik Maiti
(AIR-348)



Hirenkumar Patel
(AIR-348)



Harsh Patel
(AIR-429)

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EDITORIAL BOARD

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DIRECTOR'S DESK

We are happy to bring out the new issue of Radiance. We have initiated a new joint certificate course with School of Pharmacy, University of Southern California (USC), USA. Institute of Pharmacy also initiated the optional course for B. Pharm final year students offered by MCPHS, Boston. Institute also signed MOU with UiTM, Malaysia. We are glad that Institute of Pharmacy, Nirma University received NBA (Nation Board of Accreditation) for Undergraduate Programme (B. Pharm.) for a period of three years (2019-2022) upto June 30 2022. The different programmes conducted at Institute level like short term training programme for faculty members and expert lectures are included in this issue. The different training, co-curricular and extracurricular activities conducted for the students are mentioned in this issue. Congratulations to faculty and students for their contribution in research and extracurricular activities. I thank Nirma University and experts for continuous support for the growth of our institute.

(Dr. Manjunath Ghate)

Director, Institute of Pharmacy



From the Editor's Desk

It is indeed a pleasure to bring out the fourteenth volume of 'Radiance'. The difficult situation of Covid-19, forced us for extensive use of online platform. On positive note it gives us opportunity to interact and collaborate with experts from distant part of world. This further strengthen the research activities and learning processes. Institute of Pharmacy always attempts to give the best research environment to students. The expert lectures and webinar were organized for the same. This issue also gives glimpses of various events organized as well as achievements of faculty members, staff members and students. I am thankful to all the members of the editorial board for contributing positively to give the present shape to this issue.

Your suggestions and feedback are always welcome at radiance.ip@nirmauni.ac.in

Dr Bhagawati Saxena, Associate Editor

Dr. Shital Butani, Editor



International Collaboration

Joint Certificate Course

Institute of Pharmacy, Nirma University has initiated a joint certificate course with School of Pharmacy, University of Southern California (USC), USA. This course is being offered online by both institutes to their students and faculty of USC and Nirma University are teaching them jointly. The course is unique in its kind as it focuses on the clinical therapeutics for the treatment of Type 2 Diabetes through a variety of diverse perspectives including drug mechanisms of action, pharmacology, treatment guidelines in the United States and India, natural products, regulatory issues, pharmacoeconomics, and future directions for therapeutic development in the pharmaceutical industry. This course will provide an opportunity to collaborate with international colleagues and will help students in exploring global perspectives in diabetes drug development and treatment.

MOU Signed

In this time of Pandemic in order to provide international exposure to the students, Institute of Pharmacy, Nirma University initiated an online optional course for B. Pharm final year students under the MoU done with Massachusetts College of Pharmacy and Health Sciences (MCPHS), Boston, USA. This course will explore Regulatory Aspects of Pharmaceutical Sciences in USA. Institute also signed MOU with UNIVERSITI TEKNOLOGI MARA (UiTM), Shah Alam, Selangor, Malaysia.

EXPERT AND ALUMNI LECTURES

Expert lectures were organized regularly for UG, PG and Ph.D. students related to their curriculum, current affairs in the pharmaceutical field as well as for the development of soft skills of the students. Alumni of Institute, working in various fields are also invited to interact with current students on various topics. The following list provides information of the Expert/Alumni lectures organized from March 2020 to February 2021:

Name of the Expert, Designation and Organization	Topic	Date
Dr. Punna Rao Ravi, BITS Pilani, Hyderabad	Convolution and deconvolution in IVIVC	March 2, 2020
Dr. Ranjeet V. Nair, Head-CMC, Zydus Research Centre, Ahmedabad	Oxidations in Organic Synthesis	March 13, 2020
Dr. Jigar Mehta, Critical Care Specialist of KD hospital, Ahmedabad	COVID-19 awareness	June 8, 2020
Mr. Bhavik Patel, Senior Scientist, Compendium Development, U.S. Pharmacopeia, Drug Product Monograph Section-India	Compendium Monograph Development- By QBD Approach	June 20, 2020
Dr. Nirav Patel, Associate Director, Clinical Safety and Biomarker Group-Global Investigative Immunology Department, Sanofi, USA	Targeting Novel Modalities in Inflammatory and Autoimmune Disease: Tolerance Vs. Immunogenicity	June 23, 2020
Dr. Mayuri Gandhi, Research Scientist, Sophisticated Analytical Instrument facility, Indian Institute of Technology, Powai	Advancement in Mass Spectrometry with respect to Drug Analysis	June 26, 2020
Dr. Harish Padh, Ex, Vice-Chancellor, Sardar Patel University, Vallabh Vidyanagar, Gujarat	CoVid-19: Infection, Immunity and Vaccines	July 16, 2020
Dr. Anupama Ramkumar, Director, Arkus Research Pvt. Ltd., Ahmedabad	Pharmacovigilance: A perspective and its prospects	July 28, 2020
Dr. G C Patel, Biostatistician, Veeda Clinical Research, Ahmedabad	Testing of Hypothesis-Parametric test	July 30, 2020
Dr. Javed Ali, Professor, School of Pharmaceutical Education and Research, Jamia Hamdard University, New Delhi	Planning, Design & Development of Lipid Nanocarrier system for Bioavailability Enhancement of Tacrolimus	August 11, 2020
Dr. Ashutosh Kumar, Senior Research Scientist, Incozen Therapeutics, Pvt. Ltd. Turkapally, Shameerpet, Hyderabad	Mitochondrial Dysfunction in Diabetic Complications: Old Story with New Perspective	August 19, 2020.
Dr Nidhi Bhatnagar, Associate Professor, Department of Immunohaematology and Blood transfusion, B J Medical College, Ahmedabad	Lifestyle disorders of the GI Tract	September 7, 2020
Ms. Bhavnaben Chhabaria, CEO, SHATAYU NGO, Ahmedabad	Organ Donation Awareness	October 6, 2020
Dr. Anuja Desai (MS Ophthalmology, FMRF), Head of Department of Ophthalmology at KD Hospital, Ahmedabad	Maintaining Health of Eyes: Digital Eye Strain during Lockdown	October 8, 2020
Dr. Hitesh K. Agarwal, School of Pharmacy, South University, Savannah Campus	Introduction to Medicinal Chemistry	October 19, 2020
Dr. Tanmay Mehta, Microbiologist, Dept of Microbiology, Smt. NHL Municipal Medical College, Ahmedabad	VIRUS - its Life Cycle, Pathogenesis, Immune Response & Diagnostic Methods	October 24, 2020
Dr. Chintan Bhatt, National Product Line Manager for Material Characterization at Anton-Paar, India	Study on Basics of Atomic force Microscopy and its application in characterization of Novel Drug Delivery system	October 28, 2020.

EXPERT AND ALUMNI LECTURES

Name of the Expert, Designation and Organization	Topic	Date
Dr. Sanjay Jain, President, Amneal Pharma., Ahmedabad	Quality By Design: Overview	October 29, 2020.
Dr. Hiren Patel, General Manager, Formulation Development, Emcure Pharmaceuticals Ltd., Ahmedabad	Current perspectives in Liposomal Drug Delivery Systems	November 2, 2020
Dr. Tushar Bambharoliya, Research Associate, Biomedical Textile Lab, North Carolina State University, USA	Novel Drug Delivery through Medical Device - Angioplasty Stents	November 4, 2020
Dr. Ajit Vikram, Assistant Professor, Division of Cardiology, Abboud Cardiovascular Research Center, Fraternal Order of Eagles Diabetes Research Center, Department of Internal Medicine, University of Iowa Carver College of Medicine, Iowa City, IA, USA	Role of Intestinal microbes in cardiovascular disorders	November 4, 2020
Prof. Krishnapriya Mohanraj, Principal - In Charge, Bombay College of Pharmacy, Mumbai	Research- Planning, Evaluation and Pitfalls	November 4, 2020
Dr. Varsha Patel, Professor and Head, Dr. M. K. Shah Medical College, Ahmedabad	New Drug Development	November 4, 2020
Dr. Sumit Deswal, Senior Research Scientist, BioPharmaceuticals R&D, AstraZeneca, Molndal, Sweden	CRISPR-Cas technology and its applications to drug discovery	November 5, 2020
Prof. Praful D. Bharadia, Professor, L. M. College of Pharmacy, Navrangpura, Ahmedabad	Parenteral Formulations - Problems and Perspectives	November 5, 2020
Dr. Shivprakash Rathnam, CEO, Synchron Research Services Pvt. Ltd., Ahmedabad	Future Perspectives in Clinical Research	November 5, 2020
Dr. Nina Sharma, Managing Director, B-330-331-332, Sobo Center, Nr. Suncity South Bopal, Ahmedabad	Innovation and future trend in cosmetics	November 5, 2020
Dr. Pavankumar, Head and Vice-President - OSD Dosage forms, Dr. Reddy's Laboratories, Hydrabad	OSD dosage forms: Industrial Perspectives	November 5, 2020
Dr. Kuntal Maiti, DGM, R&D, Formulation and Development Department, Sun Pharmaceutical Industries Ltd., Vadodara	Industrial perspective for Novel Drug Delivery Systems	November 5, 2020
Dr. Gaurang Shah, Professor, L. M. College of Pharmacy, Ahmedabad	Clinical Pharmacokinetics	November 6, 2020
Dr. Sameer Agrawal, Dy. General Manager and Principal Research Scientist, Zydus Research Centre, Ahmedabad	Discovery of Novel Anti-Diabetic Agents	November 9, 2020
Dr. Raj Sevak, Assistant Professor, Department of Pharmacy Practice, School of Pharmacy, University of the Pacific, Stockton, California, USA	Clinical Study Design an Overview	December 29, 2020
Ms. Shuchi Dave, Proposal Developer, IQVIA, Ahmedabad	Pharmacovigilance: US FDA AND EU perspective	January 13, 2021
Mr. Rohit Jain, Regulatory Consultant, Sarjen Systems Pvt. Ltd., Ahmedabad	Tools and technologies used in eCTD	January 19, 2021

EXPERT LECTURES

Name of the Expert, Designation and Organization	Topic	Date
Dr. Raj Sevak, Assistant Professor, Department of Pharmacy Practice, School of Pharmacy, University of the Pacific, Stockton, California, USA	Psychiatric Therapeutics	January 28, 2021
Dr. C. Benson Kuo, Patent Agent, (Associate Director of Consulting Center, International Center for Regulatory Science, Assistant Professor, Department of Regulatory and Quality Sciences, University of Southern California, USA	Drug Submission Regulatory Requirements	February 2, 2021.
Dr. Nikita Kheradiya, R & D Associate, Verdure Science. Inc, Noblesville, IN, USA	'Natural Product Research: An Industrial Perspective	February 6, 2021
Talk delivered by ALUMNI		
Mr. Rahil Jani, Registered Pharmacist, Canada	Pharmacy Scope in Canada	May 3, 2020
Ms. Radhika Patel, Quality Head, Westcost Pharma, Ahmedabad	Management as a career option after B Pharm	May 4, 2020
Mr. Hitesh Katariya, President & Founder - PharmaGupshup Academy and Gujarat Forum of Pharmacy Student (GFPS), Ahmedabad	Preparing for GPAT Exam 2021	May 5, 2020
Mr. Anand Odedra, Director of Business Development, DOCPLEXUS, Mumbai	MBA as a career option after B Pharm	May 6, 2020
Ms. Panvi Patel & Mr. Anmol Patwa, Acme Pharmaceuticals, Ahmedabad	Getting into Pharma Business after B Pharm	May 9, 2020
Mr. Saurabh Vyas, Deputy Manager, International Business Development and RA Operations (Emerging Market), Zydus Cadila, Ahmedabad	Regulatory Aspects of International Business	June 19, 2020
Dr. Nitesh Shah, Director, Technical and Business development, Evonik, Ahmedabad	Biodegradable polymers-Microparticles and medical device applications	June 24, 2020
Dr. Harsh S. Shah, Senior Scientist, Preformulation, J-Star Research, New Jersey, USA.	New insights on solid state studies in formulation stability: A case study	June 27, 2020
Ms. Khushboo Faldu, Research Associate, Zydus Research Centre, Ahmedabad	Pharmacoeconomics: Basic Principles, Costs, and Types of Pharmacoeconomic Studies	August 26, 2020
Ms. Saloni Patel, PhD Scholar, Medicinal Chemistry, Duquesne University, Graduate School of Pharmaceutical Sciences, Pittsburgh, Pennsylvania, USA	Design and Development of ACE Inhibitors	September 3, 2020
Ms. Kinjal Patel, Graduate Ph D. Student, Pharmaceutical Sciences in Medicinal Chemistry, St. John's University, Queens New York, USA	Scope of Pharmaceutical Science in India and Abroad	September 21, 2020
Dr. Chetan Chintha, Early-stage researcher, Biomedical Sciences Building, National University of Ireland, Galway, Ireland	Design and Development of Targeted Anticancer Agents	October 3, 2020
Mr. Durga Shanker Dubey, District Manager, Johnson and Johnson (CNS Division)	'Role of Phytoconstituents for the treatment of chronic diseases	October, 21 2020.
Ms. Bhoomi Doshi, Patient Counsellor, Qure Center for Complete Care, Ahmedabad	Importance of Patient Counseling	October 18, 2020
Mr. Parth More, Drug Inspector, Drugs Control Dept, Govt. of National Capital Territory (NCT) – New Delhi	Career Prospects as Drugs Inspector	January 5, 2021

NirmaQuest

Institute of Pharmacy, Nirma University organized NirmaQuest 2020 an Arena of State Level Quiz Competition for Pharmacy and other Disciplines on March 4, 2020. Prof. Rama Shanker Dubey, Hon. Vice Chancellor, Central University of Gujarat, Gandhinagar was the Chief Guest of the Inaugural Function.



National Webinar on Opportunities and Future Scope as Pharma Warriors

Institute of Pharmacy, Nirma University organized a National Webinar on "Opportunities and Future Scope as Pharma Warriors" in two phases. Firstly during May 16-17, 2020 for final year B Pharm students and secondly during May 23-24, 2020 for third year and final year B Pharm students. The Webinar was organized to enlighten the pharmacy students regarding recent developments in the pharmaceutical sector and the various opportunities & scope after graduation in pharmacy and to prepare them to meet the current challenges of the pharmaceutical industry.

E-Euphoria

Institute of Pharmacy organized e-Euphoria 2020 - a talent hunt for first-year students and farewell for B. Pharm and M. Pharm final year students was organized online through Google meet on June 12, 2020. This time students have performed in different events like mono acting, solo singing, dance, poetry recitation, etc. online through Google Meet and shared their thoughts.

E-Faculty Development Programme

The Centre for Quality Assurance and Academic Development (CQAAD), Nirma University is organized a two-week e-FDP (Faculty Development Programme) on 'Online Teaching-Learning Process' for the faculty members of Institute of Pharmacy, Institute of Architecture & Planning and Dept. of Design, Nirma University during July 2-15, 2020. The faculty got training regarding CISCO-WEBEX software, LMS system and the recent online tools for teaching learning process.

Covid'19 Management

Seeing the importance of personal hygiene during the ongoing outbreak of COVID 19, Institute of Pharmacy, Nirma University has developed a Hand Sanitizer as per WHO guidelines and distributed to all faculty and staff of Nirma University.



Biopharma Knowledge Webinar

Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University and Agilent Technologies India Pvt. Ltd. jointly organized "Biopharma Knowledge Webinar" on August 25, 2020. Around 125 participants had registered for the event from various industries and academic institutions all across India. Experts from Agilent Technologies India Pvt Ltd shared extensive information related to analytical techniques used for protein characterization and benefited the participants.

Foundation Day Celebrations

The 17th Foundation Day of Institute of Pharmacy, Nirma University was celebrated online with great zeal and enthusiasm by the students, faculty and staff members. Prof. Nigel Richards, Professor, Biological Chemistry, School of Chemistry, Cardiff University, was the Chief Guest and Dr. Anup Singh, Director General, Nirma University was the

President of the Inaugural function. Prof. Manjunath Ghate, Director, Institute of Pharmacy presented the annual report of the Institute highlighting the major accomplishments of the Institute. The meritorious students of B Pharm were given gold medals and the students, faculty, staff and alumni were felicitated for their outstanding achievements.

Refresher Course

Refresher course for Registered Pharmacist was organized by Department of Pharmacology, Institute of Pharmacy, Nirma University in association with Gujarat State Pharmacy Council on October 17-18, 2020. The faculty members of department of Pharmacology and invited speakers Dr. B.N. Suhagia and Ms. Bhoomi Doshi have delivered their talks in the areas of critical responsibilities of registered pharmacist in healthcare system. 191 registered pharmacist had registered in the program. Dr. C. N. Patel Principal, Shri Sarvajani Pharmacy College, Mehsana, Shri. Montukumar Patel President, Gujarat State Pharmacy Council, Shri. Jasubhai Chaudhary Registrar, Gujarat State Pharmacy Council were the chief guest in the programme. It was a successful program by imparting advanced education and training for registered pharmacists.

Orientation Programme

Institute of Pharmacy, Nirma University organized an e-Orientation Programme for M Pharm new entrant students during October 12-16, 2020. Prof. (Dr.) Stephen Kerr, Professor of Medicinal Chemistry & Interim Dean, School of Pharmacy, MCPHS University, USA was chief guest of the inaugural function. Various eminent personalities of the pharmacy profession delivered lectures on various aspects of the pharmacy profession which include Dr. Samit Shah (Dean & Professor, School of Pharmacy, Regis University, USA), Dr. Mukul Jain (Senior Vice President-Pharmacology, Head, Nonclinical Research & Development, Zydus Research Centre), Dr. Kiran Marthak (Director, Head Global Clinical Development, Lambda Therapeutics Research Ltd.), Dr. S.V. Gopalakrishnan (Sr. Vice President, Corporate Quality, Cadila Healthcare Limited), Mr. Gaurav Brahmabhatt (Head, Pharma Business, Healthcare at Home Business), Mr. Shirish Belapure (Senior Technical Advisor at Indian Pharmaceutical Alliance), Mr. Bharatkumar Bhagat (Certified Management Consultant, Pylon Marketing), Ms. Swapna Sai (P Amaze Image Management, Oasis Foundation), and Mr. Arjun Kale (Business Development, Credenc). In house lectures on Examination & Time Table, Attendance, Placement, Library, Equal opportunity Cell, Anti-ragging, Anti-drug, Women Development Cell, Alumni association, Idea club, and other activities were also held.

Institute of Pharmacy, Nirma University, also organized an e-Orientation Programme for newly admitted B Pharm students during December 17-23, 2020. Dr. Navin Sheth, Vice Chancellor, Gujarat Technological University, Ahmedabad was the Chief Guest and Dr. Anup K. Singh, Director General, Nirma University was the President of the Inaugural Function. Ms. Swapna Sai P, Amaze Image Management, Oasis Foundation, Ahmedabad delivered an online lecture on "Power of Personal Appearance" and Mr. Gaurav Brahmabhatt, Head, Pharma Business, Healthcare at Home Business, Noida delivered an online lecture on "Goal Setting". Lastly Dr. Parth Vaishnav, Psychiatrist, Samvedana Happiness Hospital, Ahmedabad delivered an online lecture on "Understanding the Addiction"

Women Development Cell Webinar

Women Development Cell (WDC) of Institute of Pharmacy, Nirma University organized a Webinar on "Women's Health, Fitness and Diet" for all students, faculty members and staff of Nirma University on January 1, 2021.

The talk was delivered by Mrs. Suraksha Shetty Shah, Nutritionist, Health Plus Centre, Ahmedabad. She enlightened the participants about healthy diet, immunity boosters, and solutions to hormonal issues in women, and nutrients for healthy hair & skin.

UG Research Council

Institute of Pharmacy, UG research committee organized an expert lecture series to inculcate and strengthen the research interest in UG students registered under UG Research Council. As a part of this series first lecture was delivered by Dr. Manjunath Ghate and Dr. Bhumika D. Patel on "Why Research at UG level and How?" on August 20, 2020. Second lecture was delivered by Dr. Amirali Popat, Director of Research, School of Pharmacy, University of Queensland, Australia on a topic "Basics of Scientific Writing: Review and Research Article. Third lecture was delivered by Dr. Anurag Maheshwari, Regulatory Affairs Executive, Prime Health Limited, BC Canada on a topic "How to pursue Career in Pharmaceutical Research" and finally Fourth Lecture was delivered by Ms. Nikeeta Kheradiya, R & D Associate, Verdure Science. Inc, Noblesville, IN, USA, on 'Natural Product Research: An Industrial Perspective' on February 6, 2021.

STUDENTS' RESEARCH

No.	Project Title	Student	Guide/Co-guide
Ph. D in Pharmaceutical Sciences			
1	Evaluation of role of drugs on Beta Receptor in Cancer Associated cachexia	Mr. Mit Nileshkumar Joshi	Dr. Bhoomika M. Patel
2	Targeting Amyloid and Tau Pathophysiology of Alzheimer's Disease by DNA Replication Inhibitors	Ms. Khushboo Govind Faldu	Dr. Jigna Shah
3	Pharmacological evaluation of alpha glucosidase inhibitors in experimentally induced breast cancer in rats	Ms. Kinal Pareshkumar Soni	Dr. Jigna Shah
4	Investigation of WNT modulators for the treatment of type-2 diabetes mellitus	Ms. Ruchi Shitala Prasad Yadav	Dr. Bhumika D. Patel
5	Exploration of potential of interferon inducers in treatment of breast cancer.	Mr. Abu Sufiyan Chhipa	Dr. Snehal Patel
6	Evaluation of selected Indian traditional medicine for radiation countermeasure	Ms. Sweta Kulkarni	Dr. Priti J. Mehta
7	Investigation of metabolic pathways in neurodegenerative disorders	Mr. Gandhi Pallav Mohitbhai	Dr. Shital Panchal
8	Stability Indicating Assay and Impurity Profiling of Anticancer Drugs	Ms. Pratiksha V. Rathi	Dr. Hardik Bhatt
9	Design, Characterization and Assessment of the Nano formulation in TDDS	Mr. Vivek Mewada	Dr. Jigar Shah
10	Formulation And Characterization of Novel Drug Delivery System For The Treatment Of Chronic Wounds	Ms. Dhruvikumari Kiritsinh Solanki	Dr. Mayur M. Patel
11	Design of targeted formulation for the treatment of pulmonary fibrosis	Ms. Nikita Gupta	Dr. Shital Butani
12	Design & Development of Heterocyclic Compounds as Inhibitors of Triple Negative Breast Cancer	Ms. Suman Kumari Shaw	Dr. Hardik Bhatt
13	Tyrosine Kinase Inhibitors for diabetes: Directing Metabolic Dysfunction.	Ms. Ekta Radadiya	Dr. Snehal Patel
14	In-depth characterization and degradation study for selected therapeutics.	Ms. Shikha Patel	Dr. Priti Mehta
15	Development and characterization of novel formulations for malnourished children.	Ms. Jahanavi Patel	Dr. Tejal Mehta
16	Stability studies of selected pharmaceutical dosage forms using microwave techniques.	Ms. Navdha Soni	Dr. Priti Mehta
17	Pharmacovigilance approach of signal detection of some selected drugs	Ms. Rudri Joshi	Dr. Bhoomika M Patel
18	Therapeutic Potential of GLP-1 based Therapy for the Treatment or Prevention of Parkinson's Disease using Preclinical Models	Ms. Prashantkumar M. Delvadia	Dr. Jigna Shah
M. Pharm in Pharmaceutics			
1	Design and Development of Nasal Spray of Resveratrol	Ms. Aarti Jadav S.	Dr. Shital Butani
2	Development of novel topical formulation for treatment of atopic dermatitis	Ms. Anuja Bhake	Dr. Tejal Mehta

STUDENTS' RESEARCH

No.	Project Title	Student	Guide/Co-guide
3	A Herbal Nutricosmetic formulation for skin care	Ms. Aradhna Patel	Dr. Tejal Mehta
4	A Herbal Nutricosmetic formulation for hair care.	Ms. Drashti Patel	Dr. Jigar Shah
5	Development, optimization and evaluation of microemulsion based gel to manage atopic dermatitis	Mr. Himanshu Madhavani	Dr. Shital Butani (Guide) Mr. Ankit Barot (Co-Guide)
6	Development, optimization and evaluation of microemulsion based gel to manage scalp psoriasis	Mr. Jay Vediya	Dr. Mohit Shah
7	Development of Apremilast loaded Zinc oxide Mesoporous Silica Nanoparticles in treatment of Psoriasis	Mr. Jitendra Singh	Dr. Tejal Mehta
8	Formulation development and evaluation of oral controlled release formulation of highly soluble anti-depressant drug: Venlafaxine	Ms. Minha Raghav	Dr. Mohit Shah
9	Development of Lutein based Novel Formulation for the treatment of Age related macular degeneration.	Mr. Nilay Dave	Dr. Tejal Mehta
10	Formulation and Characterization of Dapsone Nanolipid Carriers incorporated in Gel for Treatment of Leprosy	Ms. Palak Shrivastava	Dr. Mayur Patel
11	Preparation and evaluation of Metronidazole Topical gel for treatment of Rosacea	Mr. Rishab Agrawal	Dr. Dhaivat C Pareekh
12	Formulation and Characterization of Nanostructured Lipid Carriers for treatment of Colon Cancer.	Mr. Rudranshu Sharma	Dr. Mayur Patel
13	Development and Characterization of Antiasthmatic Bronchodilator Nebulizer Solution	Ms. Sweta Singh	Dr. Jigar Shah
14	Development and characterisation of topical herbal formulation for skin disease	Ms. Urvashi Jain	Dr. Tejal Mehta
15	Formulation development and evaluation of orally disintegrating antiretroviral pediatric tablet	Ms. Jay Patel	Dr. Dhaivat Parikh
M. Pharm in Pharmacology			
1	Investigating neuroprotective effect of natural products in Traumatic Brain Injury	Mr. Abhishek Pal	Dr. Bhagawati Saxena
2	Hepatoprotective activity of an antioxidant regimen	Ms. Amanpreet Kaur Kalra	Dr. Shital Panchal
3	Evaluation of serotonin modulators in chemically induced ischemic stroke and associated cachexia	Mr. Darshak Shah	Dr. Bhoomika M. Patel
4	Pharmacological Evaluation of Tyrosine kinase inhibitor in combination with retinoic acid for the treatment of Diabetes mellitus	Mr. Divyesh Dave	Dr. Snehal Patel
5	Safety evaluation of the regimen containing various plant parts	Ms. Hemangini Goswami	Dr. Shital Panchal
6	Pharmacological evaluation of PPAR α/γ dual agonist in treatment of diabetes associated depression.	Ms. Jagruti Kolhe	Dr. Snehal Patel
7	Investigating neuroprotective effect of TLR4 inhibitor in Alzheimer's disease	Mr. Pragnesh Parmar	Dr. Bhagawati Saxena
8	Neuroprotective effect of Natural Drug against cognitive deficits and anxiety like behaviour	Mr. Rajesh Bhati	Dr. Jigna shah

STUDENTS' RESEARCH

No.	Project Title	Student	Guide/Co-guide
9	Pharmacological evaluation of Withania somnifera (Ashwagandha) and Bacopa monnieri (Brahmi) for ameliorating the condition of Attention Deficit Hyperactivity disorder in a rat model and of cuprizone-toxin induced Multiple sclerosis in a mice model.	Ms. Sakshi Gurbani	Dr. Jigna Shah
10	To evaluate the effect of new generation PDE5 inhibitor as a novel treatment for Alzheimer's Disease	Mr. Srijan Mishra	Dr. Jigna Shah
M. Pharm in Pharmaceutical Analysis			
1	Analytical Method Development and validation of Stability Indicating assay of Abiraterone Acetate and Prednisone in Pharmaceutical Formulation	Ms. Aditi Kumari Pandor	Dr. Nagja Tripathi (Guide) Mr. Kartik Vikani (Co-Guide)
2	Validation and assessment of the stability indicating capability of a CEX-HPLC method for charge heterogeneity analysis and a SEC-HPLC for size heterogeneity analysis of a particular monoclonal antibody; Sunmab	Mr. Ashutosh Saxena	Dr. Priti J. Mehta (Guide) Dr. Ravishankara M.N (Co-guide) Mr. Sandeep Sonar (Co-guide)
3	Method development and validation of stability indicating RP-HPLC assay method for linagliptin and metformin ER tablet.	Ms. Dhrumi Patel	Dr. Niyati Acharya (Guide) Dr. Manan Trivedi (Co-Guide)
4	Validation of stability indicating method and forced degradation study of salbutamol sulfate in nebuliser Solution.	Mr. Harmeet Khanuja	Dr. Nrupesh Patel (Guide) Mr. Tapan Kharidia (Co-Guide)
5	Novel In-vitro method development and validation of Tobradex Eye drop Suspension.	Ms. Helly Shah	Dr. Dipal Gandhi
6	Analytical method development and Validation for dissolution of flucloxacillin from its tablet dosage form by RP HPLC	Ms. Jani Jhanavi Chandreshkumar	Dr. Nrupesh Patel
7	Analytical method development and qualification for analysis of therapeutic protein	Ms. Khushboo Ashokkumar Ramnani	Dr. Priti.J.Mehta
8	Development and validation of analytical techniques for bioactives of Moringa oleifera.	Mr. Manish Dutt	Dr. Niyati .S Acharya
9	Forced Degradation Study of Gefitinib and Pranlukast by HPTLC	Ms. Nishtha Nilang Soni	Dr. Charmy Kothari
10	Development and Validation of Stability Indicating HPLC Method for Determination of Varenicline Tartrate and Its Related Substances in Bulk and Tablet Dosage Forms.	Ms. Soni Pooja Bimalkumar	Dr. Nrupesh Patel
11	Development and Validation of Stability Indicating HPLC Method for Determination of Famotidine and Its Related Substances in Bulk and Tablet Dosage Forms.	Ms. Ritu J Patel	Dr. Manjunath Ghate
12	Analytical method development using QbD approach for selected combined dosage form	Ms. Sonali Mishra	Dr. Priti Mehta
13	Analytical method development and validation of stability indicating RP-HPLC method for assay of flucloxacillin in it's tablet dosage form.	Mr. Jain Yugant	Dr. Nrupesh Patel
14	Development and Validation of Stability Indicating RP-HPLC Assay and Related Substances Method for the Quantitative Determination of Favipiravir in Solid Dosage Form	Ms. Dhwani Khandhar	Dr. Charmy Kothari
15	Chromatographic fingerprinting of drugs in proposed regimen	Ms. Manali Patel	Dr. Charmy Kothari

STUDENTS' RESEARCH

No.	Project Title	Student	Guide/Co-guide
M. Pharm in Medicinal Chemistry			
1	Design and Synthesis of Novel Non NAD Analogues as PARP1 Inhibitors for the treatment of cancer	Ms. Heena Rathi	Dr. Bhumika Patel
2	Design and synthesis of nitrogen containing heterocycles as anti-cancer agents.	Ms. Janki Patel	Dr. Jignasa Savjani
3	Design and synthesis of novel PI3K/mTOR dual inhibitor for the treatment of breast cancer	Ms. Richa Mehra	Dr. Hardik Bhatt
4	Design and Synthesis of Rho Kinase inhibitors	Mr. Sahilraj Nagvadiya	Dr. Jignasa Savjani
5	Design and Synthesis of Novel Spike Glycoprotein Inhibitors	Ms. Shaival N. Bhatt	Dr. Manjunath Ghate
6	Design and synthesis of novel Plasmodium falciparum dihydroorotate dehydrogenase (pfDHODH) as antimalarial agents	Ms. Tanvi Shukla	Dr. Vivek Vyas
M. Pharm in Regulatory Affairs			
1	A regulatory perspective to streamline the importing rules and regulations of pharmaceutical drugs and or medical devices in high middle or low income countries	Ms. Apoorva kulkarni	Dr. Chamry kothari
2	An Overview of Regulatory Requirements for API and FDF in Brazil, Vietnam and CIS countries	Mr. Dhruv Jayswal	Dr. Charmy Kothari
3	Identification and Implementation of Product specific standards in Orthopedic devices and Post Implementation of standard; A real world scenario	Mr. Divyesh Baraiya	Dr. Hardik Bhatt
4	Regulatory Requirements & Comparative Study of Cosmetics In Vietnam, Malaysia, Singapore, Philippines (ASEAN Countries) & Sri Lanka	Mr. Kushal Vadera	Dr. Niyati Acharya
5	Regulatory Landscape for Drug registration requirements and procedure in China: An emerging pharmaceutical market	Mr. Doshi Mohit	Dr. Priti Mehta
6	Regulatory Submission For ANDA Dossier Filing And Current Impact of Generic Drug User Fee Act	Mr. Prakash Seervi	Dr. Nagja Tripathi
7	Regulatory Requirements And Comparative Study of Veterinary Products in Kenya, Tanzania, Uganda and South Africa	Ms. Prutha Kathiria	Dr. Hardik Bhatt
8	Variation to Register Manufacturer of Bi-component Antihypertensive Drug as a part of Mutual recognition procedure in Europe	Ms. Shubhi Pamecha	Dr. Bhoomika M. Patel
9	Regulatory Perspective on Technology Transfer	Ms. Yellamraju Sravya Srivani	Dr. Nrupesh Patel
10	Regulatory requirements for Registration of Drug Products for African Countries	Ms. Vishwa Desai	Dr. Priti Mehta
11	Regulatory submission management software for maintaining product lifecycle in pharmaceuticals.	Ms. Manali Maheshwari	Dr. Dipal Gandhi
12	Preparation of module-III content for sirolimus polymeric nanoparticles' approval process in USA, EUROPE and INDIA	Ms. Khushboo Patel	Dr. Niyati S. Acharya (Guide) Mr. Girish Gor (Co-Guide)

STUDENTS' CORNER

Ph.D. awarded:

Following students received Ph.D. degree during March, 2020 to February, 2021

No.	Name of student	Project title	Name of Guide
1	Mr. Upadhyay Jagatkumar Rajendrakumar	Design, Syntheses & Biological Evaluation of Heterocycles Targetting DPP-4 for Management of Type 2 Diabetes	Dr. Anuradha Gajjar
2	Mr. Khatri Hirenkumar Natvarlal	Formulation and Evaluation of Ligand Appended Lipid Nanoparticulate Systems for Oral Delivery of Anti-cancer Agents	Dr. Mayur M. Patel
3	Ms. Prajapat Manali Dhanraj	Design and Development of Drug Delivery Systems for Solubility Enhancement of Nimodipine.	Dr. Shital Butani
4	Mr. Nimitt Virenbhai Chokshi	Formulation, Development and Characterization of Targeted Nano Drug Delivery Systems for the Treatment of Tuberculosis	Dr. Mayur M. Patel
5	Mr. Rajput Amarjitsing Premsinh	Development of Nasal Lipidic Nanocarrier Systems for treatment of Alzheimer's Disease	Dr. Shital Butani
6	Ms. Tejal Rawal	Formulation Development of lung targeted drug delivery System for treatment of tuberculosis	Dr. Shital Butani
7	Mr. Viral Arvindbhai Patel	Design and Development of Topical Nanoformulations for the Treatment of Fungal Diseases	Dr. Tejal Mehta
8	Ms. Bhayani Dhara Rajeshbhai	Effects of Ionizing Radiations on Stability of Selected Drugs and their Formulations	Dr. Priti Mehta
9	Mr. Nitin Dwivedi	Development and Evaluation of Donepezil Loaded PEGylated Dendrimers for the Treatment of Alzheimer's Disease	Dr. Jigna Shah
10	Ms. Patel Misari Dhruv	Bio-analytical Method for the Combination of Lipid-Lowering and Anti-Hypersensitive Agents	Dr. Charmy Kothari

Students’ events:

Enigma

Under the flagship of Nirma Institute of Pharmacy Students' Association (NIPSA) Enigma 2020 was organized during March 6-7, 2020 in which students from various colleges/universities participated. It was a two-day event with a comedy night on the second day. The event comprised of technical (Pharma related) and non-technical (common) events. Around 500 students participated in the event.



STUDENTS' CORNER

Teacher’s Day

Teacher’s day was celebrations on September 4, 2020 for B. Pharm. and M. Pharm. students using an online platform, where students have actively participated by conducting lectures and practicals of B. pharm students in the morning session and had a wonderful experience. In the second half, the final year B Pharm students conducted the whole programme where they planned some fun games for the faculties and also facilitated the faculties.

Activity by NIPSA

An online photography event “Mystery of Monsoon” was organized by NIPSAA where participants clicked the photos including different colors and moods of people during monsoon. Gift vouchers and cash prizes were given to winners.

World Pharmacist Day

World Pharmacist Day was celebrated on September 25, 2020 by creating and posting a grid on Instagram handle of NIPSA and in every post information of disease, drug, fun facts and company which starts with same letter were included. For example, for letter P; disease: Pneumonia, drug: Paracetamol, Company: Pfizer and fun fact: Pharamacopeia was published by USA for the first time in 1820 by group of concerned physicians.

Extension Activities

The NSS volunteers of Institute of Pharmacy, Nirma University had organized a “Cyclohone” under Fit India movement and spread the awareness of staying happy and healthy on March 1, 2020. NSS Volunteers of IPNU spread Covid’19 Awareness



STUDENTS' CORNER



Awareness Programme organized by NSS unit of School of Engineering, Nirma University on February 12, 2021. The NSS Volunteers of Institute of Pharmacy, Nirma University took a pledge to uphold the democratic traditions of our country and the dignity of free, fair and peaceful elections, and to vote in every election fearlessly and without being influenced by considerations of religion, race, caste, community, language or any inducement on February 21, 2021.

Students' Achievement

Ph. D. Scholar, Vishal K Chavda, under the guidance of Dr. Snehal Patel, Department of Pharmacology has received FENS (Federation of European Neuroscience Societies) Grant Award and FENS Voucher Programmer Grant award in FENS 2020 Virtual Forum held during July 11-15, 2020. He has presented an online research poster and oral talk on his PhD Research entitled, "Neurotrophic and cerebroprotective effects of Saxagliptin and voglibose: In-silico to in-vivo animal investigational approach" at FENS virtual forum. FENS 2020 was jointly organized with British Neuroscience Association (BNA) at Glasgow, UK. He has also received 2nd Place for Best Poster award in Malaysia Stroke Conference-Virtual-2020 held at Malaysia from August 14 to September 14, 2020 virtually. He has presented his research work entitled, "Endothelin-1 induced focal ischemia in adult Zebrafish: A model with novel entity of stroke research". He has received 2nd Price for Best

Poster Oral Presentation. He has also received, 300 MYR (Malaysian Rigit) as price. His research paper will be published as e-suppliment in Journal of Cardiovascular, Neurovascular & Stroke (CVNS Journal).

Mr. Jitendra Singh, M. Pharm. Sem II and his team, Mr. Farhan Daila, Mr. Nikhil Suthar, Mr. Om Gupta, Mr. Nikhil Tiwari, and Mr. Hardil Mistry In the event E-Hackathon (Covid-19 Edition) organized by E-cell Nirma University during May 15-17, 2020, third position was bagged for their product 'Immuno Spray', a spray with all the vitals that increases the immunity of a person.

Mr. Meet Patel, B. Pharm. Sem. VII received the First prize in the Pharmatech champ international quiz competition held online on July 25, 2020 organized by Chitkara University, Punjab.

Ms. Sakshi. S. Purswani, B. Pharm. Sem. VII qualified for the final event of the state level Pharma Poster competition held online on September 17, 2020 organized by L.M College of Pharmacy, Ahmedabad.

Ms. Rupal Chabhadia B.Pharm. Sem VII under the guidance of Dr. Bhagawati Saxena won e-poster award in Virtual "International Conference on Basic and Transitional Cancer Research: Novel Ideas and Approaches (ICBTRC-2020)" organized by Association of Cancer Education and Research (ACER), School of Life Sciences, B. S. Abdur Rahman Crescen: Institute of Science and Technology, Chennai, India In association with W. M. Keck Center for Cellular imaging, University of Virginia, USA & Tamil Naidu State council for Science and Technology (TNSCST) held during June 25-27, 2020

Mr. Palak Kotak B.Pharm. Sem VI Student and his team members, Mr. Parv Barot, Mr. Rushi Sorthiya, Mr. Sarthak Lakhani secured second rank and won Prize of Rs. 2000/- for presenting an idea STARTOCOPOEIA DIGITAL SOLUTIONS "Ghar-e-Kirana" in the event E-Hackathon (Covid-19 Edition) organized by E-cell Nirma University during May 15-17, 2020. He also became eligible for incubation support package of Rs 30,000/- under Early Start-Up for presenting his ideas at AIC-ISE Foundation (Atal Incubation Center - Indrashil University) on May 25, 2020. He also presented idea at GUSEC (Gujarat University Startup and Entrepreneurship Council) where he received a pre-incubation startup support for 3 months.

Mr. Harmish Lakum, B. Pharm. Sem. III received the First prize in the event entitled as "The Questival - Musafir: the online journey" hosted by National Service Scheme (School of Engineering) and Nirma Volunteaching Movement, Institute of Technology, Nirma University on July 05, 2020. He has also received the Second prize in the event entitled as "Chitrakaar

Ki Kahaniya- Musafir: the online journey" hosted by National Service Scheme (School of Engineering) and Nirma Volunteaching Movement, Institute of Technology, Nirma University on July 05, 2020.

GPAT 2021 Qualifiers

Twenty one Students of Institute of Pharmacy, Nirma University qualified in GPAT 2021 (Graduate Pharmacy Aptitude Test) - a National level Entrance exam conducted by National Testing Agency (NTA) established by the Ministry of Human Resource Development (MHRD), which is now known as Ministry of Education (MoE), Government of India (GOI). We congratulate Mr. Meet Patel (AIR-40), Mr. Harshit Barot (AIR-112), Ms. Nidhi Jhaveri (AIR-112), Mr. Karma Parikh (AIR-241), Ms. Disha Chawnani (AIR-313), Mr. Ritwik Maiti (AIR-348), Mr. Hiren Patel (AIR-348), Mr. Harsh Patel (AIR-429), Ms. Vidhi Mer (AIR 1272), Ms. Vrunda Sagathia (AIR-1362), Ms. Sakshi Purswani (AIR-1698), Ms. Bhavisha Lukka (AIR-3102), Ms. Hetavi Patel (AIR-3102), Mr. Mayank Goswami (AIR-3182), Ms. Shely Modi (AIR-3550), Mr. Megh Gajjar (AIR-3642), Mr. Purav Gohil (AIR-3997), Mr. Parin Prajapati (AIR-4568), Ms. Dhvani Sheth (AIR-10375), Ms. Mudra Vyasa (AIR-12697), Mr. Priyam Shah (AIR-18037) for qualifying GPAT 2021

STUDENTS' CORNER

Best scholastic performance

Institute of Pharmacy, Nirma University felicitated the students with gold medals for their scholastic performance during the respective years on the occasion of Foundation Day October 1, 2020.

Year	Name of the student
B. Pharm. First year	Ms. Aarti Patel
B. Pharm. Second year	Ms. Hetavi Patel
B. Pharm. Third year	Ms. Sakshi Purswani
M. Pharm. First year	Ms. Apoorva Kulkarni

Other felicitations on Foundation Day for Outstanding Achievements were as below:

Student Name	Achievement
Mr. Vishal Chavda	Best Research Scholar of the Year
Ms. Rutvi Vaishnani	Best NSS Volunteer of the Year
Mr. Anirudh Raina	Meritorious Service and Participation during NSS activities
Mr. Siddharth Thanki	Best NCC Cadet of the Year
Ms. Shivani Naik	Best Sportsperson of the Year
Mr. Harshit Barot	Best Student of the Year

Following Alumni were felicitated on the occasion of Foundation Day October 1, 2020.

Student Name

Mr. Jwal Doctor, Student, Brooklyn , New York, USA

Mr. Hiteshkumar Katariya, Assistant Professor at Smt. S. M. Shah Pharmacy College, GTU, Ahmedabad, Gujarat, India

Mr. Daxeshkumar Patel, Therapy Manager - Intas Pharmaceuticals, Ahmedabad

Mr. Dhruv Joshi, Owner of ICON Pharmaceuticals, Ahmedabad

Dr. Jaydeep Patel, Head, Quality and Regulatory - Advance Healthcare Pvt. Ltd. Rajkot, Gujarat, India

Mr. Gaurav Panchal, Scientific officer, Government of Gujarat, Directorate of Forensic Science, Ahmedabad

Mr. Pritesh Desai, Manager, ADL Oncology, Zydus Cadila Healthcare Ltd, Moraiya- Ahmedabad, Gujarat, India

FACULTY CORNER

Faculty achievement:

Dr. Priti Mehta and **Dr. Tejas Dadhaniya** received patent entitled, "A depot formulation and process of preparation thereof" (4062/MUM/2014) is granted in month of February 2021

Dr. Jignasa Savjani has been granted Patent titled "Aciclovir Cocrystals and the Process of Preparation thereof" (Patent number: 347090) on September 18, 2020. She has also received first prize in oral presentation during the international conference on Recent Trends in Pharmaceutical, Medical and Applied Sciences or Global Development from January 28 to 29, 2021

Dr. Dipal Gandhi, Prof. Priti Mehta, Dr. Nrupesh Patel and Mr. Harshal Patel received "Certificate of Merit" Dr. P. D. Sethi Memorial National Award 2019 for Best Research Paper on Application of TLC/HPTLC in Pharma, Herbal and other chemical analysis by Anchrom enterprises India Pvt. Ltd

Following Faculties received the Minor Research project of around 1 lakh from Nirma University

Name of Faculties	Title of Project
Dr. Shital Panchal and Dr. Charmy Kothari	Chromatographic fingerprinting, and safety evaluation of the proposed regimen containing plant parts for liver protection
Dr. Jigar Shah	Curvatures of Carbon: Synthesis, characterization and its drug delivery application
Dr. Niyati Acharya	Pre-clinical evaluation of cannabidiol natural adjuvant therapy in Alzheimer's disease
Dr. Nagja Tripathi and Dr. Bhagawati Saxena	Investigation of neuroprotective effect of toll like receptor 4 inhibitors for the treatment of neuro-inflammation and cognitive decline associated with Alzheimer's diseases
Dr. Bhoomika M. Patel	Evaluation of serotonin modulator in ischemic stroke and associated cachexia
Dr. Dhaivat C. Parikh	Development of novel topical formulation for the treatment of rosacea



Dr. Bhagawati Saxena Received InSc Young Researcher Award 2020 on October 1, 2020 for publication paper entitled "Neuroprotective Effects of Ethyl Pyruvate against Aluminum Chloride-Induced Alzheimer's Disease in Rats via Inhibiting Toll-Like Receptor 4" in Journal of Molecular Neuroscience.

Research and Development

Dr. Shital Panchal received research project "Evaluation of Gamma-oryzanol on immunity in health volunteers" worth Rs. 25,01,724/- from AP Organics pvt Ltd, Panab. Dr. Jigna Shah and Dr. Charmy Kothari are Co-investigator in the project.



Consultancy Received

Dr. Jigna Shah, Dr. Tejal Mehta, Dr. Shital Butani and **Dr. Snehal Patel** carried out consultancy project entitled "Antifungal activity of novel compounds" worth Rs. 50,000/- from Zydus Cadila HealthCare, Ahmedabad.

Dr. Bhoomika M. Patel carried out consultancy for K Patel Phytoextractions Pvt. Ltd., Mumbai, for carrying out the pilot study entitled "Study of immunomodulatory activities of selected herbal extracts" worth Rs. 1,94,700/-

Expert Lecture Delivered

Dr. Jigna Shah delivered a talk on "Challenges and opportunities in education and research in the current scenario" in the National Webinar on Opportunities and future scope as Pharma warriors held during May 16-17, 2020 at IPNU. She also delivered a talk on "Ethics and Regulations in Clinical Trials: What We Need to Know" in A National Webinar by SVKM's Shri C. B. Patel Research Centre, Mumbai on May 24, 2020.

Dr. Hardik Bhatt delivered lecture entitled "Exploring Various Computational Tools on Benzoxazepine Derivatives as Mtor Inhibitors to Design Novel Moiety for the Treatment of Lung Cancer" during International Webinar on Molecular Biology of Cancer organized by United Scientific Group, USA on May 27, 2020. He also delivered a lecture entitled "Quality by Design (QbD) in Drug Discovery" during e-Expert Lecture organized by Babaria Institute of Pharmacy, Vadodara, Gujarat, India on June 11, 2020. He also delivered a talk on "A Journey of a Research Project: Before, During and After Execution" at "A Virtual Science Forum" – Knowledge sharing platform organized by Piramal Discovery Solutions, Ahmedabad, India on August 21, 2020

Dr. Niyati Acharya delivered an expert talk through webinar on "Recent Advances in Herbal Cosmetics" on September 2, 2020 organized by Parul Institute of Pharmacy and Research, Parul University, Baroda. She also delivered expert talk in sixth



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BIIS (Biotech Innovation Ignition School) webinar on the topic "Herbal food formulations and regulatory aspects as per FSSAI" organized by SRISTI in collaboration with BIRAC (Biotechnology Industry Research Assistance Council, Department of Biotechnology, Govt. of India) on September 26, 2020. She also delivered a talk entitled "Potential of Natural Products in Health Management and Disease Prevention" in the National Webinar on Opportunities and future scope as pharma warriors held during May 16-17, 2020 at IPNU.

Dr. Shital Butani delivered invited talk on "Key strategies for Strengthening Research Capacities" to faculty members and research Scholar of Arihant School of Pharmacy and Bioresearch Institute on February 20, 2021.

Dr. Charmy Kothari delivered an e-Expert lecture in Webinar at Parul Institute of Pharmacy and Research, Parul University, Baroda, Gujarat on July 30, 2020 on the topic "Regulatory Requirement and Drug Approval Process in USA, Europe and India"

Dr. Snehal Patel delivered an online guest lecture on 'Poison Information Centre and Emergency Management of Poisoning' as part of Gujarat State Pharmacy Council sponsored two days Refresher Course for Registered Pharmacist, Ahmedabad on October 17, 2020

Dr. Bhoomika M. Patel delivered an online guest lecture entitled "COVID-19 and Cancer: A Deadly Duo!" at the "International COVID-19 Webinar: Current Scenario, Opportunities and Challenges", organized by Department of Medical Sciences, University of Aveiro, Portugal on September 23, 2020. She also delivered online lecture on "Medication Errors: Causes and Cases" as part of Gujarat State Pharmacy Council sponsored two days Refresher Course for Registered Pharmacist, Ahmedabad during October 17-18, 2020

Dr. Bhagawati Saxena delivered an online lecture on "Introduction to Medical Devices and its regulation in India" as part of Gujarat State Pharmacy Council sponsored two days Refresher Course for Registered Pharmacist, Ahmedabad on

FACULTY CORNER

October 18, 2020. She also delivered an online lecture on "Epidemiology and Epidemiological Study Methods as invited Speaker at AICTE sponsored STTP on Importance of Research Methodology in Clinical Research and Pharmacovigilance" PSIT, Kanpur on October 26, 2020. She also delivered a talk on "Therapeutic effects of eugenol in a rat model of traumatic brain injury: A behavioral, biochemical, and histological study" in Online meeting on Phytomedicine and Phytochemistry" (Phytomedicine 2021) organized by United Scientific Group, Texas, USA on February, 2, 2021

Faculty Felicitation during foundation day:

Dr. Tejal Mehta felicitated for Publishing Article in the Journal with Highest Impact Factor and for the Patent [IN317306] Granted by Indian Patent Office

Dr. Jigna Shah felicitated for Receiving Highest Consultancy form Industry

Dr. Niyati Acharya felicitated for Receiving GABTP National Woman Scientist Award 2019, SFE -Young Ethnopharmacologist Award 2020 and Highest Feedback from the Students

Dr. Mayur Patel felicitated for Receiving APTI's Young Pharmacy Teacher of the Year Award - 2019

Dr. Bhoomika M. Patel felicitated for writing Chapters in the Books published by Springer and Taylor & Francis Group

Dr. Dhaivat Parikh felicitated as a Special Recognition for his Performance in Institute Activities especially Alumni Relations

Dr. Dipal Gandhi felicitated as a Special Recognition for her Performance in Institute Activities especially One Act Play

Dr. Mohit Shah felicitated for the Patent [IN317306] Granted by Indian Patent Office

Staff Felicitation

Mr. Chetankumar Patel as a Special Recognition for Preparing and Distributing Hand Sanitizer in the Campus and in Nirma Group

Mr. Mukesh Patel as a Special Recognition for Preparing and Distributing Hand Sanitizer in the Campus and in Nirma Group



PUBLICATIONS

List of Publications in reputed journals with impact factor greater than 1:

- Hiren Khatri, Nimitt Chokshi, Shruti Rawal, **Bhoomika M Patel**, Murali Badanthadka, **Mayur M Patel**. "Fabrication and in vivo evaluation of ligand appended paclitaxel and artemether loaded lipid nanoparticulate systems for the treatment of NSCLC: A nanoparticle assisted combination oncotherapy". *International Journal of Pharmaceutics*. June 2020, 583, 119386 (IF: 4.845)
- Mathur P, Sharma S, Rawal S, Patel B, **Patel MM**. "Fabrication, Optimization, and in vitro Evaluation of Docetaxel-Loaded Nanostructured Lipid Carriers for Improved Anticancer Activity". *Journal of Liposome Research*. June 2020, 30, 182-196 (IF: 2.455)
- Abhijeet Pandey, Namdev Dhas, Prashant Deshmukh, Carlos Caro, Pravin Patil, Maria Luisa García-Martín, Bharath Padya, Ajinkya Nikam, **Tejal Mehta**, Srinivas Mutalik. "Heterogeneous surface architected metal-organic frameworks for cancer therapy, imaging, and biosensing: A state-of-the-art review". *Coordination Chemistry Reviews*. May 2020, 409, 213212. (IF: 15.367)
- Vishal Chavda, Vimal Patel, Dhananjay Yadav, Jigar Shah, **Snehal Patel**, Jun-O Jin. Therapeutics and Research Related to Glioblastoma: Advancements and Future Targets. *Current Drug Metabolism*. April-May 2020, 21, 186-198. (IF: 2.960)
- Mital Patel, **Charmy Kothari**. "Multivariate UV-chemometric and HPLC-QBD method for simultaneous estimation of vardenafil and dapoxetine in active pharmaceutical ingredients and its marketed formulation". *Current Analytical Chemistry*. May-June 2020, 16 (3), 263-276 (IF: 1.365)
- Vijaya Durga Chavali, Milee Agarwal, **Vivek Kumar Vyas & Bhagawati Saxena**. "Neuroprotective Effects of Ethyl Pyruvate against Aluminum Chloride-Induced Alzheimer's Disease in Rats via Inhibiting Toll-Like Receptor 4". *Journal of Molecular Neuroscience*. May 2020, 70, 836-850 (IF: 2.678)
- Snehal S Patel**, Richa Tripathi, Vishal K Chavda, Jignasa K Savjani. "Anticancer Potential of Mefenamic Acid Derivatives With Platelet Derived Growth Factor Inhibitory Property". *Anticancer Agents Med Chem*. April 2020, 20, 998-1008 (IF: 2.049)
- Ram P.Das, Sarjak Chakravarti, **Snehal S.Patel**, Pooja Lakhamje, Murari Gurjar, Vikram Gota, Beena G. Singh, Amit Kunwar. "Tuning the pharmacokinetics and efficacy of irinotecan (IRI) loaded gelatin nanoparticles through folate conjugation". *International Journal of Pharmaceutics*. June 2020, 586, 119522. (IF: 4.845)
- Shery Jacob, Anroop B. Nair, Vimal Patel, Jigar Shah. "3D Printing Technologies: Recent Development and Emerging Applications in Various Drug Delivery Systems" *AAPS PharmSciTech*. August 2020, 21, 220 (IF: 2.401)
- Tamer M Shehata, Anroop B Nair, **Jigar Shah**. "Vesicular Emulgel Based System for Transdermal Delivery of Insulin: Factorial Design and in Vivo Evaluation." *Applied Sciences*, August 2020, 10, 5341 (IF: 2.474)
- Sabah H. Akrawi, **Jigar Shah**. "Development and Optimization of Naringenin-Loaded Chitosan-Coated Nanoemulsion for Topical Therapy in Wound Healing." *Pharmaceutics*, September 2020, 12, 893(IF: 4.421)
- Mital Patel, **Charmy Kothari**, Vivek Vyas. "An Innovative Impurity profiling of Avanafil using LC and LC-MS/MS with in-silico toxicity prediction." *Arabian J of Chemistry*. August 2020, 13(8), 6493-6509 (IF: 4.762)
- Mital Patel, **Charmy Kothari**. "Comprehensive stability-indicating method development of Avanafil Phosphodiesterase type 5 inhibitor using advanced Quality-by-Design approach." *Journal of Analytical Science and Technology*. August 2020, 11(29), 1-14. (IF: 1.660)
- Bandar E-Al Dhubiab, **Snehal S. Patel, Jigar Shah**. "The Beneficial Effect of Boswellic Acid on Bone Metabolism and Possible Mechanisms of Action in Experimental Osteoporosis" *Nutrients*. October 2020, 12, 1-13 (IF: 4.762)
- Anroop B. Nair, **Dipal Gandhi, Snehal S. Patel, Jigar N. Shah**. "Development of HPLC Method for Quantification of Sinigrin from Raphanus sativus Roots and Evaluation of Its Anticancer Potential" *Molecules*. October 2020, 25, 1-15 (IF: 3.267)
- Pottathil Shinu, Mohamed A. Morsy, Pran Kishore Deb, Anroop B. Nair, Manoj Goyal, **Jigar Shah** and Sabna Kotta. "SARS CoV-2 organotropism associated pathogenic relationship of gut-brain axis and illness" *Frontiers in Molecular Biosciences*. December 2020, 7, 606779 (IF: 4.188)