



A PUBLICATION OF FACULTY OF PHARMACY BBDNIIT, LUCKNOW

PHARMAZEAL 2023



Presented By:
FACULTY OF PHARMACY, BBDNIIT, LUCKNOW
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PHARMAZEAL 2023

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Director Speaks...

I am delighted to inform you that the Faculty of Pharmacy, BBDNIIT Lucknow, is publishing the annual departmental publication "PHARMAZEAL 2023" for the current academic year. It provides a forum for the development of academic, creative, athletic, and learning proficiencies in each student via the magazine. As you peruse the pages, you will become enlightened regarding the significant milestones that the college has accomplished thus far in the year. Furthermore, the creative expression of their thoughts, ideas, ambitions, feelings, aspirations, and convictions has been observed among our burgeoning talents. Both faculty members and students are sent to seminars, workshops, and conferences in order to significantly enhance their skill sets. I am delighted to congratulate the entire faculty, staff, editorial board, and student body of the Faculty of Pharmacy at BBDNIIT on the publication of PHARMAZEAL Magazine 22–23.

I wish you the very best.



(Prof.) Dr. Shailendra K. Saraf
Director, Faculty of Pharmacy, BBDNIIT
Lucknow

VISSION AND MISSION

FACULTY OF PHARMACY

VISION



To become a centre of eminence in pharmacy education and research with an innovative and inclusive approach.

MISSION



To excel in pharmacy education and research by dissemination of cutting-edge knowledge and skills for sustainable health care.



To inculcate values in the next generation stakeholders with a humane and personal approach.



To promote a culture of innovation and entrepreneurship by fostering a diverse and inclusive community with a global outlook.

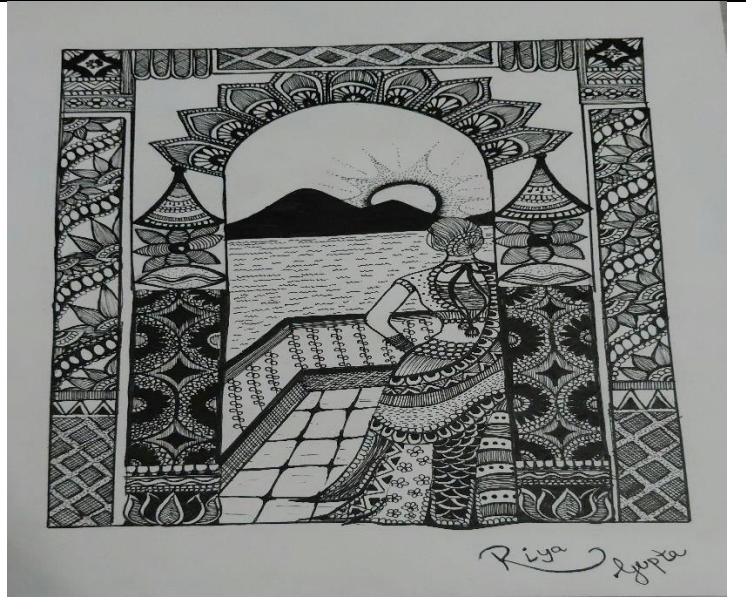
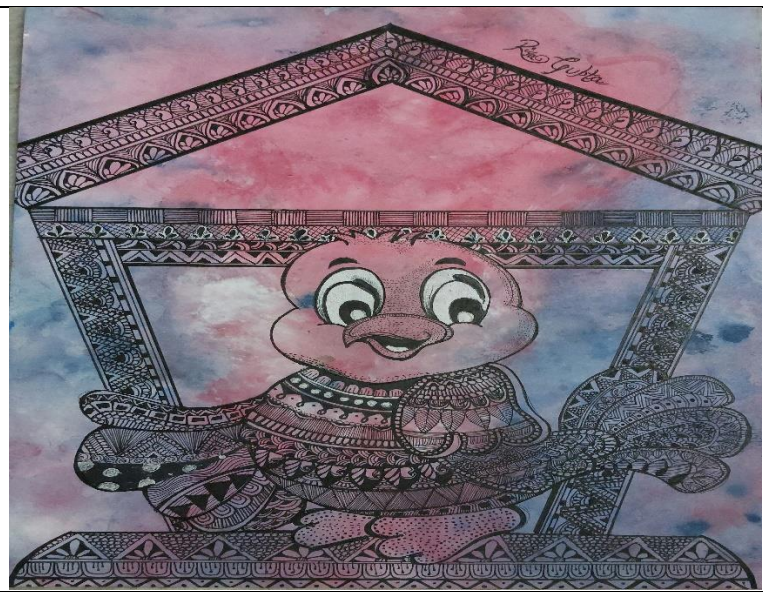
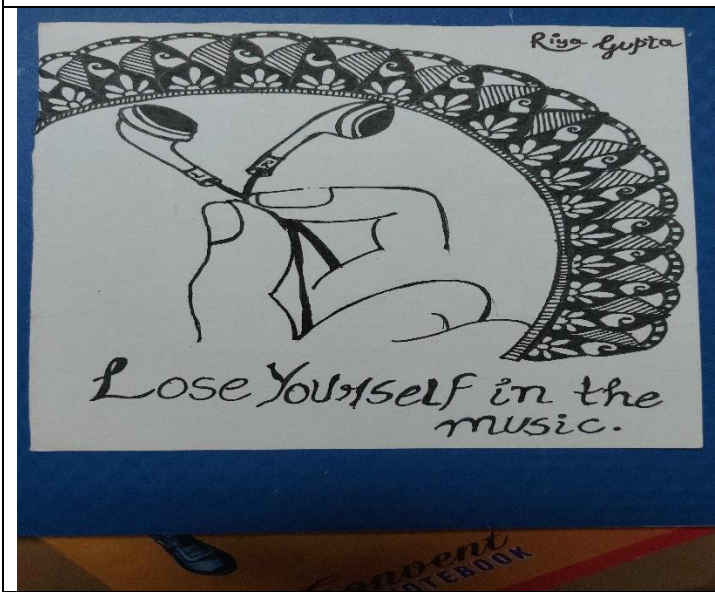
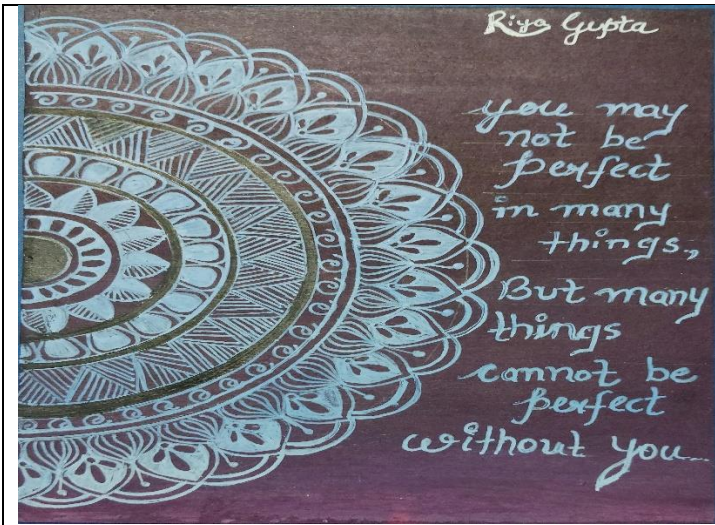


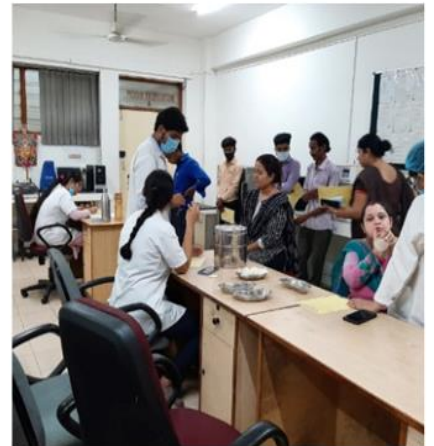
To create an ecosystem of cooperation, coordination and collaboration through national and international engagements.



BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY
(Recognised by PCI, affiliated to AKTU, Lucknow, & BTE UP, Lucknow)







GLIMPSES FROM EVENTS



GLIMPSES FROM EVENTS

SESSION 2022-2023



Stress Management



Stress Management



Dental Camp



Dental Camp



Blood Donation Camp



Blood Donation Camp

GLIMPSES FROM EVENTS

SESSION 2022-2023



Basant Panchami



Basant Panchami



Tablet Distribution



Tablet Distribution



World Pharmacist's Day



World Pharmacist's Day

GLIMPSES FROM EVENTS

SESSION 2022-2023



Khela India



Khela India



Khela India



Khela India



Vishwakarma Puja



Vishwakarma Puja

GLIMPSES FROM EVENTS

SESSION 2022-2023



Pharmacy Week



Pharmacy Week



Pharmacy Week



Utkarsh



Utkarsh



Utkarsh

GLIMPSES FROM EVENTS

SESSION 2022-2023



Ganesh Chaturthi



Ganesh Chaturthi



Independence Day



Independence Day



AKTU Zonal



AKTU Zonal

GLIMPSES FROM EVENTS

DEPARTMENTAL NEWS (WHAT'S NEW)

- ❖ Rich herbal varieties of plants adorning Herbal Garden Welcome to the Pharmacy Department's Herbal Garden, a sanctuary of botanical diversity boasting an Impressive-array of 70 - 80 different species. Within these cultivated grounds, students and researchers alike have the opportunity to explore the rich tapestry of medicinal plants Each with its own unique properties and potential therapeutic benefits. From traditional remedies to modern pharmaceutical Innovations, our Herbal Garden serves as both a living classroom and a source of inspiration for the study and advancement of herbal medicine. Join us as we delve into the fascinating world of botanical pharmacology and unlock the secrets of nature pharmacy.

- ❖ The newly introduced Melting Point Apparatus in the pharmacy Department, between June 2022 and 2023, represents a cutting-edge addition to our laboratory infrastructure. This sophisticated instrument enables precise determination of the melting points of various substances, a crucial parameter in pharmaceutical research and quality control. The Melting Point Apparatus empowers students and researchers to characterize and analyse pharmaceutical compounds with unprecedented accuracy and efficiency.

- ❖ September 25th 2023, On World Pharmacist Day, the pharmacy department expanded its herbal garden by Introducing a variety of new herbal plants. This initiative aimed to enrich student's learning experiences and promote the study of herbal medicine. The addition of diverse herbal species provided opportunities for research, education, and cultivation of medicinal plants. By enhancing the herbal garden, the pharmacy department underscored its commitment. To holistic healthcare and sustainable practices, empowering future pharmacists with Knowledge of traditional and alternative therapies.

- ❖ The model pharmacy established within the pharmacy department serves as a hands-on learning environment for students. It contains various 2D models illustrating pharmaceutical concepts and products related to the field. Students synthesize, pack and label pharmaceutical products of their practical training, gaining valuable experience in compounding, packaging and labelling medications. This experiential learning approach allows students to apply theoretical knowledge to real world scenarios, preparing them for future careers in pharmacy practice. Additionally, the model pharmacy fosters innovation and creativity, encouraging students to explore new ideas and approaches in pharmaceutical sciences.

PLACEMENT DRIVE: TRAINING & PLACEMENT CELL

Students Opted for Higher Education

1.	ANURAG KUMAR MISHRA	1900560500020	Masters from NIPER Hajipur
2.	GAUTAM KUMAR PANDEY	1900560500039	Masters from NIPER Hajipur
3.	ISHIKA NIGAM	1900560500043	Masters from Jaipur National University
4.	DIVYA SINGH	1900560500035	Masters from Synergy School of Business
5.	RAM JI MISHRA	1900560500070	Masters from Aryakul College of Pharmacy
6.	SHIVAM SINGH	1900560500085	Masters from Seth Vishambhar Nath Group of Educational Institutions
7.	ANANYA SINGH	1900560500016	Masters from KIET Group of Institutions
8.	VAISHALI KAUSHAL	1900560500096	Masters from Integral University, Lucknow
9.	ASHISH GUPTA	1900560500022	Masters from KM Kundnani College of Pharmacy, Mumbai
10.	NEHA DEVI	1900560500057	Masters from Seth Vishambhar Nath Group of Educational Institutions
11.	PRADEEP KUMAR SINGH	1900560500065	Masters from GRD Institute of management & technology
12.	SAURABH CHAUDHARY	1900560500080	Masters from GRD Institute of management & technology
13.	PALLAVI KASAUDHAN	1900560500060	Masters from Saroj Institute of Technology and Management
14.	ADITYA NATH PRAJAPATI	1900560500007	Preparing for GPAT and Govt. Pharmacists

CONGRATULATIONS!

Students in Academics, Industries, Hospitals and Opted for Business

1.	ABHISHEK TIWARI	1900560500004	Alembic Pharmaceuticals Ltd. (Campus Placement)
2.	ANUPAMA KUMARI	1900560500019	Medtronic (Campus Placement)
3.	IQRA KHAN	1900560500042	Nestle Nutrition (Campus Placement)
4.	MRITYUNJAY KUMAR GUPTA	1900560500054	Alembic Pharmaceuticals Ltd. (Campus Placement)
5.	TANUJ KUMAR SINGH	1900560500094	Alembic Pharmaceuticals Ltd. (Campus Placement)
6.	SANTOSH KUMAR	1900560500076	Alembic Pharmaceuticals Ltd. (Campus Placement)
7.	SHRAVAN KUMAR	1900560500087	Alembic Pharmaceuticals Ltd. (Campus Placement)
8.	SHREYA	1900560500088	Square Yards Pvt. Ltd.
9.	SANJIV CHAUDHARI	1900560500075	USV Private Limited
10.	SHUBHAM SINGH	1900560500090	Johnson & Johnson. Ltd.
11.	SHUBHAM KUMAR MAURYA	1900560500089	Walter Healthcare Pvt. Ltd.
12.	SUDIKSHA BHARTI	1900560500091	IDS Infotech Ltd.
13.	MANOJ YADAV	1900560500048	Readycoder Pvt. Ltd.
14.	RAHUL TIWARI	1900560500069	AGS Health Care Pvt. Ltd.
15.	ABHISHEK KUMAR SINGH	1900560500003	Corrohealth
16.	SAKSHI GUPTA	1900560500073	Pyrax Polymers Pvt. Ltd.
17.	PRAFFUL SRIVASTAVA	1900560500066	Zuventus Pvt. Ltd.
18.	PANKAJ DUBEY	1900560500061	The Omnijobs Pvt.
19.	ABHAY KUMAR	1900560500001	Unity Medical Supplies Pvt. Ltd.
20.	ASHISH KUMAR MISHRA	1900560500023	Genedrift Invent. Reinvent
21.	MOHAMMAD AHMAD	1900560500050	369hub Ventures Private Limited (trainee)
22.	AKASH TIWARI	1900560500010	Otsira Genetica Aristo Pharmaceuticals Pvt. Ltd.
23.	ASHAY AGRAWAL	1900560500021	Aristo Pharmaceuticals Pvt. Ltd.
24.	DURGESH KUMAR SINGH	1900560500036	Aspiris MANKIND (Sales division of Mankind Pharma Ltd.)
25.	LAVKUSH KUMAR	1900560500047	Mercury Laboratories Limited
26.	SUYASH PANDEY	1900560500093	ZUVENTUS Healthcare Limited
27.	MOHD ARSH	1900560500049	Corro health
28.	MOHSIN BEG	1900560500053	ECG Trainee HEALTH WATCH TELEDIAGNOSTICS Pvt. Ltd.
29.	MUSKAN SINGH	1900560500055	GBH AUTO MECHANICS & SERVICES LLP
30.	GAUTAM KUMAR	1900560500038	Assistant Pharmacist CHANDAN Pharmacy Ltd.
31.	NITESH MISHRA	1900560500059	Business Executive at Intas Pharmaceuticals Ltd.

32.	VIVEK TIWARI	2000560509004	Davaindia Healthmart Ltd.
33.	TAROON ADITYA	1900560500095	Tare Zameen Foundation Pvt. Ltd.
34.	SEEMA ADHIKARI	1900560500081	Lecturer at Saroj Institute of Pharmacy, Lucknow
35.	PEEYUSH VERMA	1900560500063	Lecturer at Saroj Institute of Pharmacy, Lucknow
36.	RASHMI	2000560509002	Lecturer at Saroj Institute of Pharmacy, Lucknow
37.	NIPUNIKA BHATNAGAR	1900560500063	Shop deck (Blitzscale Technologies), New Delhi
38.	AVANEESH SINGH	1900560500028	VATSALYA Medical Centre Pratapgarh
39.	NAVEEN NARAYAN DEV PANDEY	1900560500056	Pharmacist at Matri Clinic (Rudra Pharmacy), Lucknow
40.	SHARAD PANDEY	1900560500056	Pharmacist at Matri Clinic (Rudra Pharmacy), Lucknow
41.	SAMARTH JAISWAL	1900560500074	Business Executive at INTAS Pharmaceuticals Pvt. Ltd.
42.	SHOBHIT KUMAR	1900560500086	Sales Executive at AVEN Pharmaceuticals Pvt. Ltd.
43.	ATUL VERMA	1900560500027	Mercury Laboratories Limited, Kanpur
44.	MOHD. ASAD	1900560500051	Medical Coder at Eclat Health Solutions India Pvt. Ltd.
45.	MOHD. SAFDAR JAMAL	1900560500051	ECG Trainee HEALTH WATCH TELEDIAGNOSTICS Pvt. Ltd.
46.	VISHNU DAYAL SINGH	2000560509003	Pharmacist at Appolomedics Super Speciality Hospital
47.	ASIF KHAN	1900560500026	Pharmacist at NAYAB MATERNITY HOSPITAL Bhel Jagadishpur

CONGRATULATIONS!

SUCCESS STORIES

DEEPANKAR YADAV

(2020)



I am **Deepankar Yadav**, a student from the Batch 2019-20 passout. I am thrilled to share with you a glimpse into my journey from Faculty of Pharmacy, BBDNIIT College. As I look back on my time here, I am filled with gratitude for the opportunities and support that have shaped me into the person I am today.

After pursuing my graduation from BBD NIIT College, I got selected at **Central University BBAU Lucknow** for **Masters**. Currently, I am pursuing my **PhD** from **NIPER Kolkata**.

KANCHAN SHARMA

(2020)



I am **Kanchan Sharma**, As I reflect on my journey from the halls of Faculty of Pharmacy, BBDNIIT, where I completed my Bachelor of Pharmacy in 2019-20, to my current role at Sanofi India in Hyderabad, it's a story of growth, challenges, and relentless pursuit of making a difference in the healthcare sector.

The leap from academia to the dynamic world of clinical trials at **Labcorp Drug Development in Bangalore** marked a significant turning point in my career. As a **Clinical Project Coordinator**, I was entrusted with the responsibility of overseeing clinical trials from initiation to completion. This role was both challenging and rewarding, offering me a platform to contribute to global healthcare in a meaningful way. My journey didn't stop there. Today, I find myself at Sanofi India in Hyderabad, where I proudly hold the position of **Associate Project Specialist**. Here, I am deeply involved in clinical phase-driven engagement with some of the most globally renowned scientific experts. The opportunity to share and gain valuable knowledge and experience in developing drugs and vaccines is not just a responsibility but a privilege that allows me to contribute to a larger cause.

KOMAL TIWARI**(2021)**

I am **Komal Tiwari**, my journey is a testament to hard work, determination, and the relentless pursuit of excellence. Graduating from BBD NIIT in 2021 marked the beginning of my professional odyssey, which has been nothing short of remarkable.

Upon completing my graduation, I ventured into the realm of educational technology, joining Front Row as BDA. Here, I immersed myself in the dynamic world of digital learning, contributing my skills and expertise to revolutionize the way students engage with educational content. My commitment and exceptional performance did not go unnoticed. In 2020, I was offered a coveted position as a **Trainee manager at Byju's**, one of the leading names in online education.

In 2023, my dedication and leadership qualities led to a significant milestone in her career as she was promoted to the position of **Training Manager at Physics Wallah**, a renowned platform for physics education.

Gayatri Rawat**(2012)**

Gayatri Rawat, a 2012 graduate of the Pharmacy Department, is a highly dynamic professional with a passion for business and technology solutions services. Currently serving as a Product Owner and Business Analyst, Gayatri is driven by results and motivated to deliver exceptional outcomes. With a focus on client satisfaction, both externally and internally, Gayatri excels in blending business analytics with effective management of technical teams. Her client-focused approach and ability to navigate complex projects make her a valuable asset in driving success and innovation in her role.

Rupal Srivastava
(2012)

Rupal Srivastava, a 2012 graduate of the Pharmacy Department, currently serves as an HR Executive at Staubli Tech System India. Energetic and results-oriented, Rupal brings a wealth of experience in talent acquisition, employee relationship management, and conflict resolution. Proficient in the entire employee lifecycle, from recruitment to exit interviews, she excels in fostering employee engagement and ensuring smooth transitions. Rupal is currently pursuing an MBA with a focus on Human Resource Management from NMIMS, Mumbai, further enhancing her skills and expertise in the field of HR management.

Ira Sankrityayan
(2012)

Ira Sankrityayan, a 2012 graduate of the Pharmacy Department, currently serves as an Assistant Manager at RealFoundations' Presence and Assets Support (PAS) team in Bengaluru. With a background in business research since 2014, Ira specializes in management consulting, focusing on business development, market intelligence, forecasting, and financial analysis. Leading market intelligence and research efforts, she identifies industry best practices to inform strategic decisions for RealFoundations and its clients, fostering productive relationships with Fortune 500 companies globally. Prior to joining RealFoundations, Ira gained valuable experience at Infosys, Frost & Sullivan, and GlobalData, demonstrating proficiency in business consulting and project management.

Satya Prakash Singh

(2012)



Satya Prakash Singh, a 2012 graduate of the Pharmacy Department, currently serves as a Senior Executive in the Quality Assurance department at Alkem Laboratories Ltd. With seven years of experience in the pharmaceutical industry, Satya has honed his expertise in quality assurance. He has undergone lean manufacturing optimization training under the guidance of McKinsey and actively participated in the PACE program, focusing on throughput improvement and SMED concepts. Satya's dedication and contributions were recognized with the MD Award for PACE excellence, showcasing his commitment to driving operational efficiency and quality excellence at Alkem Laboratories Ltd.

Rahul Vats

(2012)



Rahul Vats, an M.Pharm and Ph.D. graduate of the Pharmacy Department in 2012, currently serves as a Study Lead Delivery Lead at GSK India. With a background at Novartis, Rahul brings over 13 years of extensive experience in clinical development and operations. His expertise spans across various facets of the pharmaceutical industry, including project management, clinical research, and operational excellence. Rahul's leadership and strategic insights contribute significantly to the successful delivery of studies at GSK India, showcasing his dedication to advancing healthcare through innovation and excellence.

Mr. Obaid Ehsan

(2012)



Mr. Obaid Ehsan, a 2012 graduate of the Pharmacy Department, currently thrives as a Sales Executive in the Emirates Arabs unit in Dubai. His role entails managing and expanding a client revenue base of AED 5 million through both existing and new accounts, primarily focusing on A&B grade supermarkets,

restaurants, and wholesalers. With a strategic approach, Obaid has consistently increased numeric distribution and revenue in his territory by implementing value-added innovations. He excels in establishing new accounts, nurturing existing relationships with over 110 clients, and executing strategic negotiations to drive sales growth and foster customer loyalty. Obaid's proficiency in product demonstration and effective sales presentations has enabled him to successfully win new business.

ALUMNI SPEAKS

(Letter to the Director)

Mr. Anugrah Srivastava (2008)

I, Mr. Anugrah Srivastava, from the esteemed batch of 2008, share my journey of success. Beginning in our esteemed pharmacy department, I now thrive as a Consultant Intellectual Property Specialist at Tollmark in the USA. The interdisciplinary skills and critical thinking nurtured here have propelled my career in patent law. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in the global arena of intellectual property. Thank you for nurturing my journey.

Dr. Neeraj Singh (2010)

I, Dr. Neeraj Singh, from the esteemed batch of 2010, share my journey of success. From our esteemed pharmacy department, I now serve as an Assistant Professor at IIM Rohtak in Haryana. The analytical skills honed here have paved my path in academia. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in the prestigious realm of management education. Thank you for nurturing my academic pursuits.

Dr. Shatrunjay Shukla (2011)

I, Dr. Shatrunjay Shukla, from the esteemed batch of 2011, share my journey of success. Commencing in our esteemed pharmacy department, I now excel as a Scientist at IPC in Ghaziabad. The research skills and scientific acumen fostered here have propelled my career in pharmaceuticals. I extend heartfelt gratitude to the faculty for their mentorship. It's an honor to represent our alma mater in advancing pharmaceutical sciences. Thank you for nurturing my journey.

Ms. Ira Sanskritayan (2012)

I, Ms. Ira Sanskritayan, from the esteemed batch of 2012, share my journey of success. Starting in our revered pharmacy department, I now excel as a Process Specialist at Infosys Technology Pvt. Ltd. in Bangalore. The analytical skills and attention to detail fostered here have been crucial in my career advancement. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in the tech industry. Thank you for shaping my path.

Ms. Shivani Sinha (2012)

I, Ms. Shivani Sinha, from the distinguished batch of 2012, share my journey of success. Transitioning from

pharmacy studies, I now lead as a Branch Manager at UCO Bank in Lucknow. The problem-solving skills and resilience cultivated here have been pivotal in my banking career. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in the financial sector. Thank you for shaping my path.

Mr. Varun Srivastav (2012)

I, Mr. Varun Srivastav, from the distinguished batch of 2012, share my journey of success. Beginning in our esteemed pharmacy department, I now excel as a Branch Manager at Canara Bank in Lucknow. The leadership skills and analytical mindset instilled here have been instrumental in my banking career. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in the financial sector. Thank you for shaping my path.

Mr. Santosh Rai (2013)

I, Mr. Santosh Rai, from the esteemed batch of 2013, share my journey of success. Starting in our esteemed pharmacy department, I now excel as an Executive Quality Assurance at Alembic Pharmaceuticals in Sikkim. The comprehensive education and practical skills acquired here have been instrumental in my career growth. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in ensuring pharmaceutical quality. Thank you for nurturing my path.

Mr. Deepak Kumar (2013)

I, Mr. Deepak Kumar, from the esteemed batch of 2013, share my journey of success. From our esteemed pharmacy department, I now thrive as an Area Sales Manager at Macleod Pharmaceuticals in Lucknow. The strategic thinking and communication skills honed here have been pivotal in my career advancement. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in pharmaceutical sales. Thank you for shaping my path.

Mr. Alok Mishra (2017)

I, Mr. Alok Mishra, from the esteemed batch of 2017, share my journey of success. Starting in our revered pharmacy department, I now excel as an Area Business Manager at INTAS Pharmaceuticals in Lucknow. The comprehensive education and practical experience gained here have been instrumental in my career growth. I extend heartfelt gratitude to the faculty for their guidance. It's an honor to represent our alma mater in pharmaceutical management. Thank you for nurturing my path.

PUBLICATIONS

1. Gul Naz Fatima, Hera Fatma, Shailendra K Saraf; diagnostics Review Vaccines in Breast Cancer: Challenges and Breakthroughs. *Diagnostics*. 2023; 13:1-27.
2. Gul Naz Fatima, Priyanka Maurya, Nishtha, Shailendra K Saraf; In-Situ Gels for Brain Delivery: Breaching the Barriers. *Current pharmaceutical design*. 2023; 29.
3. Dipika Pant, Vimlesh Kumar, Shailendra Pandey, Gul Naz Fatima, Shailendra K Saraf; New Non-Carboxylic Acid Chalcones as Anti-Inflammatory Agents: Molecular Docking, Synthesis and Admet Studies. *Pharmaceutical Chemistry Journal*. 2023;57.
4. Roshini Varshney, Vimlesh Kumar, Gul Naz Fatima, Shailendra K Saraf; Small Heterocyclic Molecules as Anticancer Agents: Design, Synthesis, and Evaluation Against MCF-7 Cell Lines. *Russian Journal of General Chemistry*. 2023 ;93: 97-107.
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6. Geeta Mishra, Parmesh K. Dwivedi, Neeraj Verma, Sajal Srivastava, Ashok K Singh, Devdutt Chaturvedi, Cu(II) and Fe(III) Catalyzed Synthesis of Novel Thiophene Hybridized Thiadiazolyl Schiff Bases (TTS) as COX-2 Selective Inhibitor, *Asian Journal of Chemistry*, Vol. 35 (6), 1518-1524, 2023.
7. Geeta Mishra, Parmesh K. Dwivedi, Neeraj Verma, Sajal Srivastava, Ashok K Singh, Devdutt Chaturvedi, p-TSA-Promoted Efficient Synthesis of Thiophene Hybridized Thiadiazolyl Schiff Bases as Antibacterial Agents, *Indian Journal of Heterocyclic Chemistry*, Vol.33 (03), 361-368, 2023.
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11. Anand Kumar, Priyanka Prajapati, Ritu Raj, Dinesh Kumar, Sapana Kushwaha. Salbutamol ameliorates skeletal muscle wasting and inflammatory markers in streptozotocin (STZ)-induced diabetic rats, *International Immunopharmacology*, 123, 110883, 2023. (ScienceDirect, Impact factor: 5.6)
12. Anand Kumar, Priyanka Prajapati, Gurvinder Singh, Dinesh Kumar, Vikas Mishra, Seong-

- Cheol Kim, Chaitany Jayprakash Raorane, Vinit Raj, Sapana Kushwaha. Salbutamol Attenuates Diabetic Skeletal Muscle Atrophy by Reducing Oxidative stress, Myostatin/GDF-8, Pro-Inflammatory Cytokines in Rats, *Pharmaceutics*, 15 (8), 2101, 2023. (MDPI, Impact factor: 5.4)
13. Priyanka Prajapati, Anand Kumar, Jiten Singh, Shubhini K. Saraf, Sapana Kushwaha. Azilsartan Ameliorates Skeletal Muscle Wasting in High Fat Diet (HFD)-induced Sarcopenic Obesity in Rats via Activating Akt Signalling Pathway, *Archives of Gerontology and Geriatrics*, 0167-4943, 105025, 2023. (ScienceDirect, Impact factor: 4.0)
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 15. Priyanka Prajapati, Areesh Zehra, Priyanka Maurya, Alka, Jiten Singh, Anand Kumar, Sapana Kushwaha. Evaluation of Azilsartan Transdermal Hydrogel in Volumetric Muscle Loss Injury in a Rat Model, *Journal of Pharmaceutical Negative Results*, Pg. 2229-7723, 2022. (EBSCO, Impact factor: 0.56)
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 17. Itishree Dubey, Priyanka Prajapati, Areesh Zehra, Sapana Kushwaha and Richa Shrivastava. "A Novel Insight into Signaling Pathways, Animal Models, and Interventions in Psychological Stress Induced Muscle Atrophy", *EC Pharmacology and Toxicology*, 2022. (E-Cronicon, Impact factor: 1.0)
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PROGRAM EDUCATIONAL OBJECTIVES & PROGRAM OUTCOMES

FACULTY OF PHARMACY

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

PEO1-Aptitude

•To develop graduates as professionals with conceptual knowledge and technical skills required for successful careers in varied domains.

PEO2-Creativity

•To engage students in collaborative research and provide innovative solutions to challenges for the betterment of mankind.

PEO3-Morality

•To inculcate professionalism and ethical commitment in the stakeholders to develop healthcare professionals with high moral standards and fundamental human values.

PEO4-Strategy

•To prepare graduates with a multidisciplinary approach encompassing positive perspective, conduct and spirit.



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FACULTY OF PHARMACY PROGRAM OUTCOMES

- 1. Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioural, social, and administrative pharmacy sciences; and manufacturing practices.
- 2. Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
- 3. Problem Analysis:** Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyse, evaluate and apply information systematically and shall make defensible decisions.
- 4. Modern Tool Usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
- 5. Leadership Skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfilment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
- 6. Professional Identity:** Understand, analyse and communicate the value of their professional roles in society (e.g., health care professionals, promoters of health, educators, managers, employers, employees).
- 7. Pharmaceutical Ethics:** Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behaviour that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
- 8. Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
- 9. The Pharmacist and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
- 10. Environment and Sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 11. Life-Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an on-going basis.



**BABU BANARASI DAS NORTHERN INDIA INSTITUTE
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PHARMACIST'S OATH



I Swear by the code of Ethics of Pharmacy Council of India in relation to the community and shall act as an integral part of health care team.

I shall uphold the laws and standards governing my profession.

I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.

I shall follow the system, which I consider best for pharmaceutical care and counseling of patients.

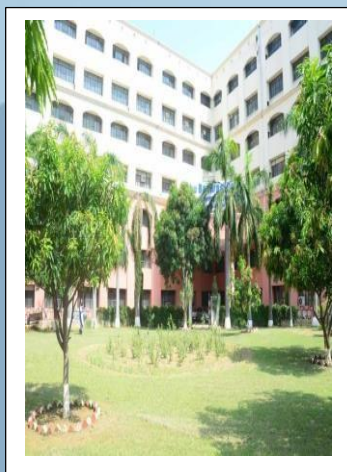
I shall endeavour to discover and manufacture drugs of quality to alleviate sufferings of humanity.

I shall hold in confidence the knowledge gained about the patients in connection with professional practice and never divulge unless compelled to do so by the law.

I shall associate with organizations having their objectives for betterment of the profession of Pharmacy and make contribution to carry out the work of those organisations.

While I continue to keep this Oath inviolated, may it be granted to me to enjoy life and the practice of pharmacy respected by all, at all times!

Should I trespass and violate this oath, may the reverse be my lot!



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