

PHARMA ALLIANCE

where pharmacy meets progress



ISSUE: JULY-SEPTEMBER, 2024

CHITKARA SCHOOL OF PHARMACY

CHITKARA UNIVERSITY, HIMACHAL PRADESH





FROM PRINCIPAL'S DESK

Dear Future Pharmacists,

The healthcare landscape is evolving rapidly, and pharmacy has a critical role in providing patient care. Remember, pharmacy is not just a science—it's an art, a blend of knowledge, compassion, and integrity. As we navigate this journey together, let curiosity be your guide and innovation your compass. Our mission is not just to treat illness but to inspire wellness. Every formula you study and every prescription you prepare, shapes the future of health. Your dedication today will shape the healthcare of tomorrow. Let's create a legacy of care that lasts beyond the classroom.

With warm regards

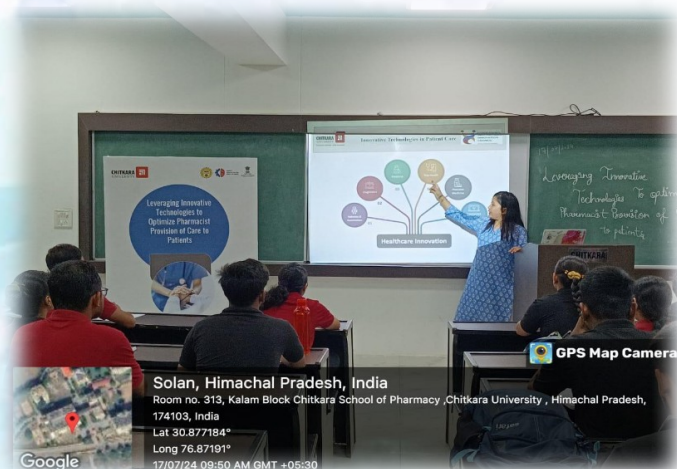
Dr. Nitin Verma

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WORKSHOPS

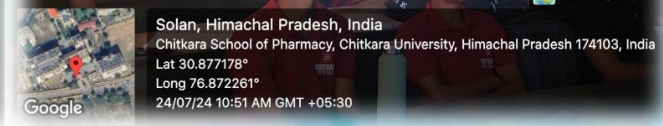
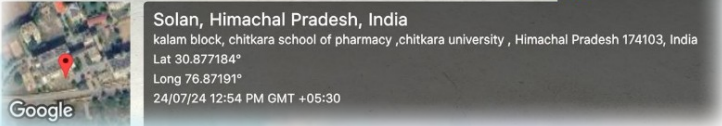
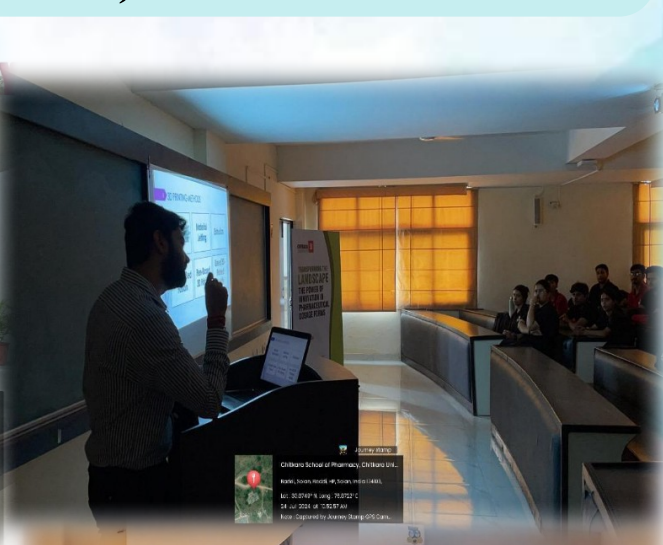
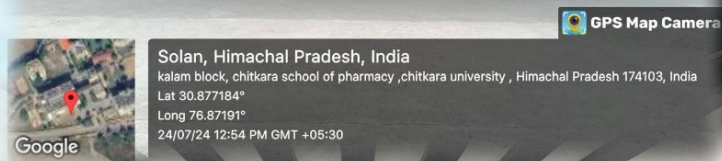
**“Leveraging innovative technologies to optimize pharmacist provision of care to patients.”
(17 July, 2024)**



Dr. Komal Thapa (Assistant Professor) delivered a session that emphasized on how innovative technologies such as telepharmacy, AI-driven decision are transforming the pharmacist's role in patient care. These tools enhance medication adherence, optimize therapeutic decisions, and improve access to services, especially for underserved populations.

WORKSHOPS

**“Transforming the landscape: The power of innovation in pharmaceutical dosage form”
(24 July, 2024)**



Dr. Vivek puri (Associate Professor) was the resource person of this workshop that aimed to showcase the latest advancements and innovations in pharmaceutical dosage forms and to inspire students and young researchers to explore new avenues in pharmaceutical formulation development.

WORKSHOPS

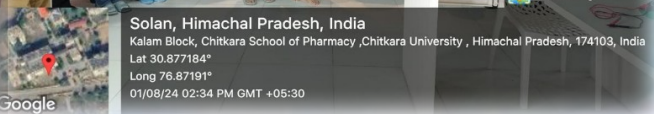
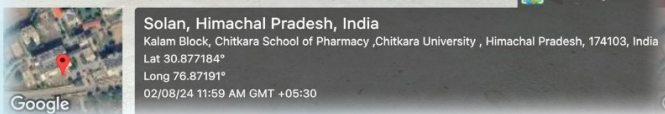
“These approaches offer ethical and precise models for drug testing.” (26 July, 2024)



Dr. Rajnish Srivastava (Associate Professor) at Chitkara University's School of Pharmacy, delivered a lecture on fostering pharmacological innovation: empowering sustainability to shape the future of medicine. He emphasized integrating sustainability into pharmacological research, highlighting 3D bioprinting and Organ-on-chip (OOC) technology as ethical, innovative models for drug testing.

WORKSHOPS

“Hands-on Workshop On Innovation In Applications Of Spectroscopic And Chromatographic Techniques In Pharmaceutical Analysis.” (1-2 August, 2024)



Dr. Sukhvir Kaur (Assistant Professor) imparted advanced knowledge and practical skills in UV, IR, NMR spectroscopy, Mass spectrometry, HPLC, and GC-MS, focusing on real-world pharmaceutical applications. Aligned with SDG 4 (Quality Education) and SDG 9 (Industry, Innovation, and Infrastructure), the event empowered participants to apply innovative analytical methods in research and quality control processes.

WORKSHOPS

“Awareness Session On Climate Change And Health .” (8 August, 2024)



Ms. Punam Singh (Sr. Manager-HR, Morepen Laboratories Limited) delivered a session on Climate change and its impact on health are critical issues that require urgent attention. An awareness session on climate change and health educates individuals on the effects of climate change on human health, promoting understanding and encouraging action. Within the framework of the United Nations Sustainable Development Goals (SDGs), particularly SDG 4 (Quality Education) and SDG 13 (Climate Action).

WORKSHOPS

“Innovations in Drug Delivery Technologies.”
(9 August,2024)



Dr. Ashish Pal (Scientist-F, INST, Mohali, Punjab) delivered a session on Innovations in drug delivery technologies, such as supramolecular drug delivery, are transforming how medications are administered. Supramolecules, formed through the self-assembly of smaller units, can encapsulate drugs, improving stability, solubility, and targeted delivery. This allows for better control over drug release, minimizing side effects and enhancing therapeutic efficacy.

WORKSHOPS

4th NATIONAL PHARMACOVIGILANCE WEEK (17TH-23 SEPTEMBER, 2024)

The expert for the session was **Dr Anjna Sharma, Associate Professor**. Her valuable insights have truly deepened our understanding of how innovative advancements are shaping the future of patient safety.

GUEST SPEAKERS:

Dr. Bikash Medhi (Professor, PGIMER)

Deepa Choudhary (PV Associate, AIIMS Bhopal)



TECHNICAL EVENTS

WORLD PHARMACIST DAY Pharmacists: Meeting Global Health Needs 25 September, 2024



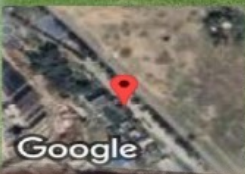
School of Pharmacy successfully hosted an event that aimed to highlight the pivotal role pharmacists play in addressing global healthcare challenges and improving patient outcomes.

The event featured esteemed guest speakers, including Vipin K. Sharma, Director of GMP & Regulatory at Mediatore GxP Solutions Pvt. Ltd. Vipin emphasized how pharmacists are essential in bridging the gap between regulatory standards and patient care, reinforcing the need for ongoing education and adaptation in a rapidly changing healthcare landscape.



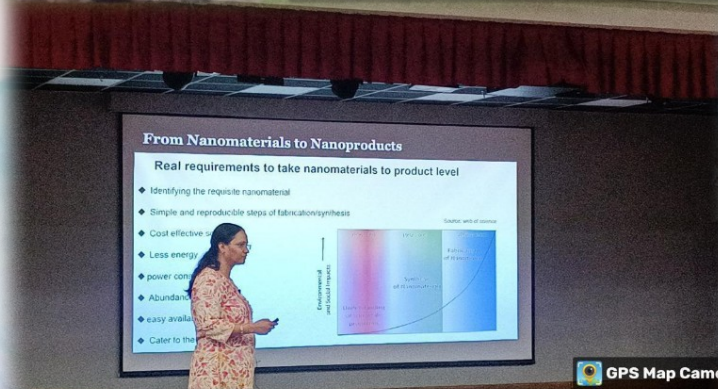
REASEARCH VISITS

"Exploring New Frontiers: Research Visit to INST, Mohali for Collaborative Breakthroughs"
16th July, 2024



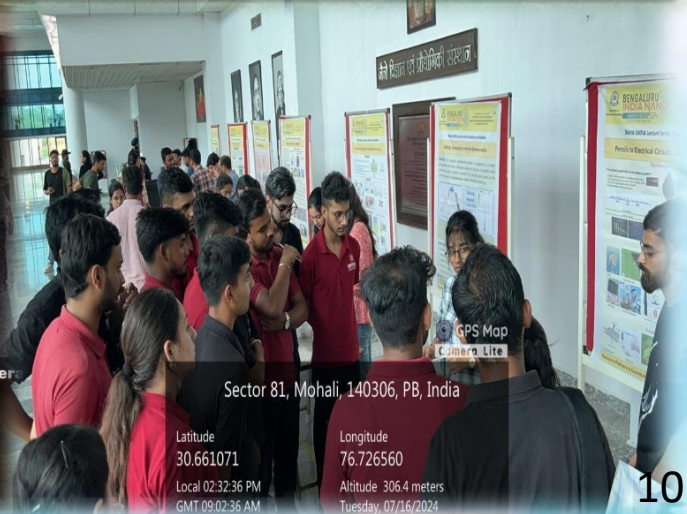
Sahibzada Ajit Singh Nagar, Punjab, India
Institute of Nano Science and Technology (INST), Mohali
Lat 30.688018°
Long 76.693352°
16/07/24 11:41 AM GMT +05:30

GPS Map Camera



Sahibzada Ajit Singh Nagar, Punjab, India
Institute of Nano Science and Technology (INST), Mohali
Lat 30.688018°
Long 76.693352°
16/07/24 12:36 PM GMT +05:30

GPS Map Camera



Sector 81, Mohali, 140306, PB, India

Latitude
30.661071

Local 02:32:36 PM
GMT 09:02:36 AM

Longitude
76.726560

Altitude 306.4 meters
Tuesday, 07/16/2024

GPS Map
Camera Lite

INDUSTRIAL VISITS

Bridging Theory and Practice: School of pharmacy embarks on Industrial Visit to Morepen Laboratories Ltd., Baddi (31st July, 2024)



Kalu Jhanda Katiwala Road, Baddi, Solan,
174103, HP, India

Latitude
30.877371°

Local 09:54:31 AM
GMT 04:24:31 AM

Longitude
76.872870°

Altitude 506.1 meters
Wednesday, 07/31/2024



Baddi, Baddi Industrial Area, 173205, HP, India

Latitude
30.963901°

Local 11:08:25 AM
GMT 05:38:25 AM

Longitude
76.773382°

Altitude 388.2 meters
Wednesday, 07/31/2024

Baddi, Baddi Industrial Area, 173205, HP, India

Latitude
30.963916°

Local 11:08:02 AM
GMT 05:38:02 AM

Longitude
76.773366°

Altitude 388.6 meters
Wednesday, 07/31/2024

Faculty Development Program

6-days FDP on “New Horizons and Paradigm in Pharmacology and Toxicology Research” (23-27 September 2024)

School of Pharmacy, Chitkara University organized 6-days Faculty Development Programme on "New Horizons and Paradigm in Pharmacology and Toxicology Research". The FDP aims to equip educators, researchers, and professionals with the latest knowledge and advancements in these dynamic fields. The FDP provided a comprehensive overview of the current trends, challenges, and future directions in pharmacology and toxicology research, fostering a deeper understanding of innovative research methodologies and their applications in real-world scenarios.

CUSOP HPEVENTS (You, presenting)

Stop presenting

Dr. Damanpreet Singh
Principal Scientist and Associate Professor
Biological Sciences (AcSIR)
Pharmacology and Toxicology Laboratory
CSIR-Institute of Himalayan Bioresource
Technology, Palampur, H.P.-176061, India

- Dr. Singh completed his M. Pharm in Pharmacology from GNDU Amritsar and his Ph.D. from Panjab University, Patiala.
- He is currently a Principal Scientist at CSIR-IHBT, Palampur, and holds an honorary position at AcSIR.
- His research focuses on epileptology, particularly using natural products for epilepsy treatment.
- He has established the Zebrafish Research Facility at CSIR-IHBT and received numerous awards, including the P.C. Dandiya and Dr. Hardyal Awards.
- Dr. Singh has published extensively, filed patents, and is actively involved in the scientific community through memberships and editorial roles.
- He has published extensively, filed patents, and is an editorial board member and reviewer for international journals.

People

Mute all Add people

Search for people

IN MEETING

Contributors 28

- CUSOP HPEVENTS (You) Meeting host
- CUSOP HPEVENTS Your presentation
- Ankita Alice Singh
- Balwinder Singh
- CUSOP HPEVENTS Meeting host
- Daman Singh

24 others

2:04 PM | rzo-high-bzx

Faculty Development Program

shamsher singh Bajwa (Presenting)

Sex determination of zebrafish

Male Zebrafish

Female Zebrafish

Male Characteristics

1. Darker blue stripes.
2. More stream-lined body type.
3. Tend to be more active.
4. Have a pinkish-yellow cast.
5. More golden, especially on the ventral fin.

Female Characteristics

1. Slime, protruding belly.
2. Have a bluish-white cast.
3. Silver stripes between blue stripes.

2:16 PM | rzo-higk-bzx

Vivek Jain (Presenting)

What is missing in majority of research work as per recent trend

- In-Silico Approach (Computational Biology)
- Herbal Formulation Development

2:19 PM | rzo-higk-bzx

CUSOP HPEVENTS (Presenting)

12:03 PM | rzo-higk-bzx

2:04 PM | rzo-hig-bzx

CUSOP HPEVENTS (You, presenting)

Stop presenting

People

Mute all

Add people

Search for people

IN MEETING

Contributors 28

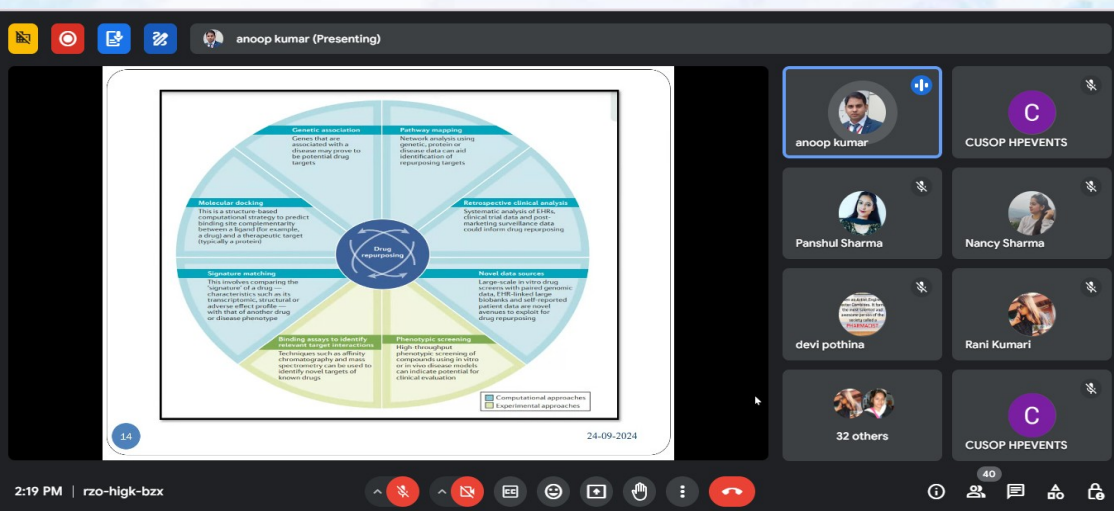
- CUSOP HPEVENTS (You) Meeting host
- CUSOP HPEVENTS Your presentation
- Ankita alice Singh
- Balwinder Singh
- CUSOP HPEVENTS Meeting host
- Daman Singh

24 others

Sapna Kumari can now join this meeting

Dr. Damagreet Singh
Principal Scientist and Associate Professor
Biological Sciences (ACSIR)
Pharmacology and Toxicology Laboratory
CSIR-Institute of Himalayan Bioresource
Technology, Palampur, H.P.-176061, India

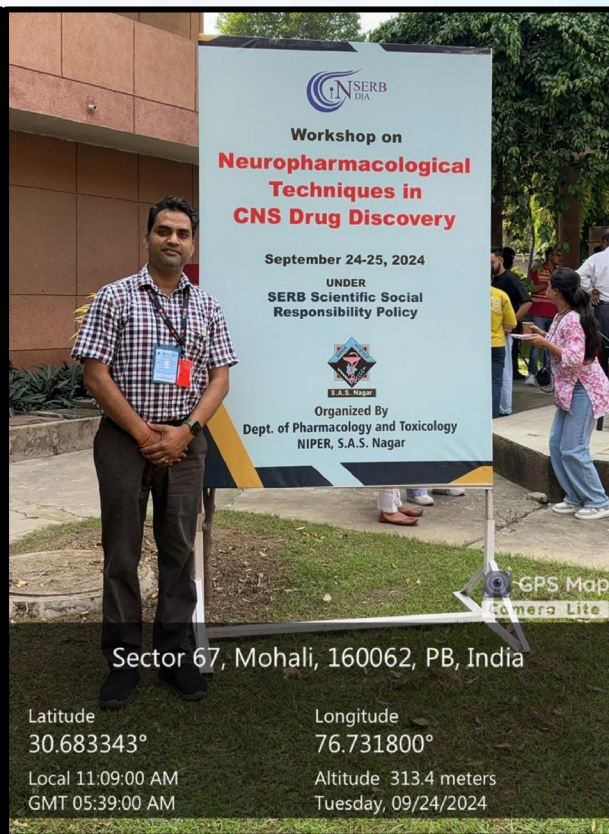
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- Dr. Singh has published extensively, filed patents, and is actively involved in the scientific community through memberships and editorial roles.
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The image shows a Zoom meeting interface. On the left, a large video window displays a group photo of approximately 15 people, mostly men in white lab coats, standing in a laboratory setting. Below the photo, text identifies Dr. Damanpreet Singh as the Principal Scientist at CSIR - Institute of Himalayan Bioresource Technology, Palampur-176061, H.P. INDIA. It also provides contact information: Phone: +91-1894-233339; Ext.: 443 (Office) and 490 (Zebrafish lab); Mobile: 9459630531. Email and website links are also listed. To the right of the main video, two smaller windows show individual participants: a man in a white lab coat and a woman in a white lab coat. On the far right, a sidebar shows the 'People' list with 37 participants. The list includes names like Dr. Alka Choudhary, Awadh K, Balwinder singh, and Daman Singh, with icons indicating their status (e.g., muted, video on). At the bottom, the Zoom status bar shows the time as 2:52 PM and the user's name as rzo-hlkg-bzx.

Faculty Achievements

Workshop on “Neuropharmacological Techniques in CNS Drug Discovery” September 24-25, 2024



Dr. Rajnish Srivastava, Associate Professor, has attended workshop at NIPER, Mohali. The workshop was organized to provide participants with advanced knowledge and hands-on training in cutting-edge techniques used in neuropharmacological research and CNS drug discovery. The program was designed to cover various experimental methodologies and preclinical approaches crucial for CNS drug development.

**FACULTY'S PUBLICATIONS
(JULY-SEPTEMBER)**

- Sharma, A., Dheer, D., Puri, V., Alsayari, A., Wahab, S., & Kesharwani, P. (2024). Insights of biopolymeric blended formulations for diabetic wound healing. International Journal of Pharmaceutics, 656, 124099.
<https://doi.org/10.1016/j.ijpharm.2024.124099>
- Kaur, G., Devi, S., Sharma, A., & Sood, P. (2024). Pharmacological insights and role of bufalin (bufadienolides) in inflammation modulation: a narrative review. Inflammopharmacology, 32(5), 3057-3077.
<https://doi.org/10.1007/s10787-024-01517-9>
- Kaushik, A., Kaushik, M., Kaur, G., & Gupta, V. (2024). Perspective of Secondary Metabolites in Respect of Multidrug Resistance (MDR): A Review. Infectious Disorders-Drug Targets (Formerly Current Drug Targets-Infectious Disorders), 24(4), 40-52.
<https://doi.org/10.2174/0118715265210606231113105225>

FACULTY'S PUBLICATIONS (JULY-SEPTEMBER)

- Singh, J. K., Kaur, S., Chandrasekaran, B., Kaur, G., Saini, B., Kaur, R., ... & Bassi, P. (2024). A QbD-Navigated Approach to the Development and Evaluation of Etodolac–Phospholipid Complex Containing Polymeric Films for Improved Anti-Inflammatory Effect. *Polymers*, 16(17), 2517.
<https://doi.org/10.3390/polym16172517>
- Thapa, K., Kanojia, N., & Verma, N. (2024). A potential role of nanophytocompounds in diabetic foot ulcers. *Trends in Immunotherapy*, 8(2). **<https://doi.org/10.24294/ti.v8.i2.4186>**
- Sood, P., Shri, R., Singh, V., Ahmad, S. F., & Attia, S. M. (2024). Acute oral toxicity and safety assessment of *Morus alba* L.(Moraceae) methanol fruit extract in mice. *Italian Journal of Food Science*, 36(3), 11.
[10.15586/ijfs.v36i3.2578](https://doi.org/10.15586/ijfs.v36i3.2578)
- Sharma, A., Jangra, N., Dheer, D., Jha, S. K., Gupta, G., Puri, V., & Kesharwani, P. (2024). Understanding the journey of biopolymeric nanoformulations for oral drug delivery: Conventional to advanced treatment approaches. *European Polymer Journal*, 113338.
<https://doi.org/10.1016/j.eurpolymj.2024.113338>

FILED PATENTS

S.No.	Title	Inventor	Patent Number
1	Animal Cage for Neurological Disorders	Vivek Sharma, Naveen Singh, Anjna Sharma	202411058217
2	All-in-one Smart Mask for Deaf and Mute.	Gulshan Kumar Giri, Anshika Mahajan, Divya Dheer, Ameya Sharma, Vivek Puri	202411066038
3	Multipurpose Temperature Regulated Advanced Domestic Vessel	Anjna Sharma, Divya Dheer, Ameya Sharma	202411074084
4	Modified High Shear Mixer	Vivek Sharma, Naveen Singh, Anjna Sharma	202411074058
5	Artificial Mother's Mammary Apparatus For Laboratory Rat/Mice	Rajnish Srivastava, Osho Sharma	432318-001
6	Quick Aid App	Narinderpal Kaur, Shiwali Sharma, Thakur Vikrant Dadhwal, Priya Patel	202411074077

GRANTED PATENT

S.No.	Title	Inventor	Patent Number
1	Knife cover cum cleaner with soap dispenser	Aditya gautam, Divya Dheer, Ameya Sharma, Vivek Puri	389724-001

Our Editors



As pioneers in the ever-evolving world of pharmacy, this newsletter will be your gateway to cutting-edge research, innovative treatments, and the future of healthcare. Let's shape the landscape of modern medicine together.

- Dr. Rajnish Srivastava

Pharmacy is more than just prescriptions. It's the art of patient care, safety, and compassion. Through this newsletter, we're bridging the gap between knowledge and practice to elevate the standards of health for all.

-Dr. Amit Chaudhary



In every title of this newsletter, there's the source of inspiration. Our goal is to provide not just knowledge, but the ethical responsibility that comes with it. Together, we will transform research into solutions, and ideas into impact.

- Mr. Vivek Sharma



Every aspect of this newsletter is a step closer to new innovations in pharmacy. From drug development to patient safety, we bring the latest interactions with professionals in various field. Together, we can bridge science with real-world impact.

- Ms. Sonalika Bhalla





**YOUR DREAMS.
YOUR GOALS.
YOUR UNIVERSITY.**

CHITKARA
UNIVERSITY



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