



*GURUNANAK COLLEGE OF PHARMACY*  
*NAGPUR*

# *INDOCTRINATE*



**IQAC**  
**NEWSLETTER - 23**

**16 JUN, 2023**  
**(16 JUNE 2022 - 15 JUNE 2023)**

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## *Editorial Board*

**Dr. Subhash Yende**

(Asst. Professor)

**Ms. Mithila Bambal**

(B. Pharm IV Yr)

**Mr. Krishnakant Bhelkar**

(Asst. Professor)

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(B. Pharm III Yr)

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**TECHNICAL ARTICLE****TAILORED TREATMENT IN THE AGE OF GENOMICS****Arham Khan****B. Pharm 4th year**

Tailored treatment refers to the precision medicine or the personalized treatment approach mainly depending upon the individualized need and characteristics of the specific patient. It revolves around the fundamental idea that no two individuals are exactly alike, and thus their medical care shouldn't be either. And when we talk about personalization of these characteristics of a specific patient, we are indicating to the GENOME, i.e., the complete set of an organism's genetic material. At the core this approach aims to customise healthcare interventions to match the unique genetic, biological, and lifestyle factors of each patient. And currently we are actually advancing in the age of genomics, without possibly knowing everything but eventually a lot of it. In the past, our medical treatment followed largely a one-size-fits-all approach. A diagnosis led to a standard treatment plan, and while it often worked for many patients, it left others with undesired outcomes, adverse reactions, and some unanswered questions. Fast forward to the present i.e., in the age of genomics, where the landscape of healthcare is undergoing a profound transformation. The genomics is rewriting the rulebook of medication for a better treatment plan with lesser side effects. With the advent of high-throughput genetic sequencing, we now have the power to delve deep into an individual's genetic code, unlocking a world of insights that were once inconceivable. Genomic findings offer a chunk of information about an individual's genetic predispositions, susceptibilities, and potential responses to various treatments. By analysing these genetic markers, healthcare providers can formulate treatment plans that are finely tuned to personalised needs of the patient. In the realm of cancer treatment, tailored therapies based on the genomic study and genetic mutations driving the disease can significantly improve effectiveness while mainly reducing its side effects. Genomics is also a game-changer in disease prevention. Patients can receive tailored guidance beforehand based on their genetic risks. This may involve personalised lifestyle recommendations, early screening, and interventions to mitigate the likelihood of disease development. One of the cornerstone of tailored treatment is pharmacogenomics. This specialised field investigates how an individual's genetic makeup influences their response to medications. By understanding a patient's unique pharmacogenomic profile, healthcare professionals can choose the most suitable drugs, optimise dosages, and minimise adverse reactions. But despite the incredible potential, tailored treatment faces hurdles like the high cost of genetic testing, interpreting complex genomic data, and also concern over patient's privacy and data security. However, as the age of genomics unfolds, we find ourselves at a turning point in the history of medication. Tailored treatment is redefining our healthcare system, steering us towards the approaches that are as unique as our genetic fingerprints. In this new era, we are awed to witness not just medical breakthroughs, but a profound transformation in the way we approach prevention, healing and cure, ultimately leading to more personalised care for every individual. Welcome to the age of genomics and the daybreak of a healthier, more tailored future.

## Shaping the Future: The Critical Role of Drug Regulatory Affairs in Modern Healthcare

**Ms. Soniya Bhojwani**

*B. Pharm 3<sup>rd</sup> year*

In the rapidly evolving realm of pharmaceuticals, drug regulatory affairs stand as a cornerstone, ensuring public safety and efficacy of medicines. The FDA, along with its global counterparts like the EMA, plays a pivotal role. In 2022 alone, the FDA approved 50 new drugs, highlighting the sector's critical importance in public health.

### **Roles and Responsibilities**

Regulatory affairs professionals navigate a complex landscape of legal, ethical, and scientific standards to safeguard public health. Their responsibilities range from the initial stages of drug development to post-market surveillance. The swift approval of treatments like Remdesivir for COVID-19 exemplifies the sector's vital role in addressing health emergencies. In the U.S., the regulatory path for new drugs involves an average of 12 years of rigorous testing and review, demonstrating the depth of commitment to drug safety and efficacy.

### **Challenges in Drug Regulation**

The field is constantly challenged by emerging technologies and therapies. The adaptation to innovative therapies, such as CRISPR gene-editing and personalized medicine, requires flexible and forward-thinking regulatory frameworks. Global harmonization of drug regulations, a goal emphasized by the World Health Organization, is essential for ensuring worldwide health safety and facilitating the swift availability of medicines across borders.

### **Technological Advancements**

Technological advancements, particularly in AI and data analytics, are transforming the landscape of drug regulation. AI applications have expedited drug safety evaluations, reducing processing times by up to 40%. Furthermore, blockchain technology is emerging as a revolutionary tool in ensuring drug traceability and combating counterfeit medicines, enhancing global drug safety.

### **Global Health and Drug Regulation**

Global health initiatives heavily rely on effective drug regulation. The prompt regulatory response to the COVID-19 pandemic, with the accelerated approval of vaccines, illustrates the critical role of regulatory affairs in global health crises. These efforts not only manage immediate health threats but also set precedents for future emergency responses, impacting millions of lives worldwide.

### **Conclusion**

Looking ahead, the field of drug regulatory affairs is poised at a crucial juncture. Balancing innovation in medical treatments with the paramount need for patient safety represents an ongoing challenge. As new technologies and treatments emerge, regulatory professionals must continuously adapt, maintaining a delicate balance between fostering medical advancements and safeguarding public health.

## Revolutionizing Pharmaceutical Supply Chains: The Integration of Blockchain Technology

**Mr. Vaishnav Kore, Ms. Mithila Bambal**

B. pharm III Semester

In recent years, the pharmaceutical industry has been actively exploring innovative solutions to enhance transparency and security in the supply chain. One technology that has gained significant attention is blockchain. This revolutionary decentralized ledger system has the potential to transform the pharmaceutical supply chain, ensuring integrity, traceability, and efficiency in the delivery of life-saving medications.

The pharmaceutical supply chain is a complex network involving multiple stakeholders, from manufacturers to distributors and retailers. Traditional supply chain systems face challenges such as counterfeiting, inefficiencies, and lack of real-time visibility. Blockchain technology, known for its tamper-resistant and transparent nature, offers a promising solution to address these issues.

**I )Ensuring Drug Authenticity:** Counterfeit drugs pose a serious threat to public health. Blockchain's immutable ledger records every transaction and movement of pharmaceuticals, providing a secure and transparent trail. This ensures that each drug can be traced back to its origin, guaranteeing authenticity and mitigating the risks associated with counterfeit medications.

**II) Real-Time Tracking and Visibility:** Blockchain enables real-time tracking of pharmaceuticals at every stage of the supply chain. This increased visibility allows stakeholders to monitor the movement of drugs, verify their authenticity, and respond promptly to any discrepancies or issues. This level of transparency enhances overall supply chain efficiency.

**iii) Smart Contracts for Compliance:** Smart contracts, self-executing agreements with predefined rules, can be integrated into the blockchain to automate compliance processes. This ensures that all participants in the supply chain adhere to regulatory requirements, reducing the likelihood of errors and non-compliance.

**iv) Data Security and Privacy:** Blockchain's decentralized structure enhances data security and privacy. Pharmaceutical companies can securely share necessary information with authorized parties while maintaining control over sensitive data. This not only protects proprietary information but also builds trust among stakeholders.

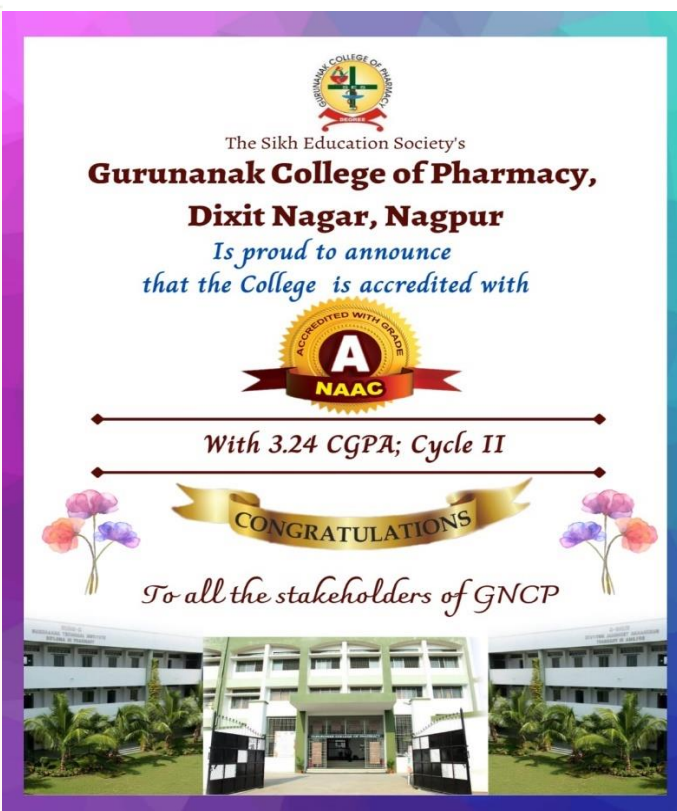
**v) Collaboration and Interoperability:** Blockchain fosters collaboration by providing a shared platform for information exchange. Different entities within the supply chain can seamlessly interact, leading to improved communication and collaboration. Interoperability ensures that various systems can integrate with the blockchain, creating a unified and efficient supply chain ecosystem.

**vi) Challenges and Future Prospects:** While the adoption of blockchain in the pharmaceutical supply chain holds great promise, challenges such as initial implementation costs, regulatory uncertainties, and industry-wide collaboration need to be addressed. However, as the technology matures and gains wider acceptance, these challenges are expected to diminish, paving the way for a more secure and transparent pharmaceutical supply chain.

### **CONCLUSION:**

Blockchain technology has the potential to revolutionize the pharmaceutical supply chain by enhancing authenticity, visibility, and compliance. As the industry continues to explore and adopt these innovative solutions, the integration of blockchain is poised to usher in a new era of efficiency and trust in the delivery of crucial medications, ultimately benefiting both the industry and the well-being of patients worldwide.

• ACCOLADES/ACHIEVEMENTS •



- ✓ GNCP, Nagpur secured National Institute Ranking Framework NIRF-2022 rank in band 102-125.
- ✓ Gurunanak college of pharmacy, Nagpur awarded with NAAC A grade with 3.24 CGPA in Cycle II. The evaluation was held on 12 and 13<sup>th</sup> September 2022 by NAAC peer team.
- ✓ **Mrs. M. K. Bhurchandi**, Asst. Professor, Gurunanak college of pharmacy, Nagpur was awarded with Ph.D degree by Rashtrasant Tukadoji maharaj, Nagpur University, Nagpur. She completed research work under guidance of Dr. A. M. Ittadwar and Dr. J.G. Chavhan on the topic 'Studies on the influence of EMF on various physiological systems in Rhodent.'
- ✓ **Mr. G. A. Gurunani**, Asst. Professor, Gurunanak college of pharmacy, Nagpur was awarded with Ph.D degree by Rashtrasant Tukadoji maharaj, Nagpur University, Nagpur in its 110<sup>th</sup> convocation ceremony held at Pt. Vasant Rao Deshpande Hall, Civil lines, Nagpur. He completed his research work under guidance of Dr. Mrs. Sheelpriya Walde, Professor and HOD, Department of Quality assurance. Topic of his research work was 'Synthesis and biological evaluation of novel fluoroquinolone derivatives as antibacterial and antitubercular agents. His place of research work was Gurunanak college of pharmacy, Nagpur itself.

**GPAT -2023 Qualifiers**

Sr. No	Name of student	GPAT AIR
<b>B. Pharm Final Year</b>		
01	Mr. Alwin Kalambe	316
02	Ms. Pratiksha Tembhurkar	832
03	Ms. Komal Mendhe	1474
04	Mr. Aniket Kale	1474
05	Mr. Bhavesh Rughwani	1504
06	Mr. Piyush Pachkhande	1755
07	Ms. Divya Jethani	1829
08	Mr. Pankaj Balki	1936
09	Mr. Shreyash Mandavgade	2430
10	Mr. Saurabh Bokde	3815
11	Ms. Sakshi Pillare	4245
12	Ms. Afshanaz Sayed	4988
13	Mr. Nivrutti Tank	5380
14	Ms. Disha Panbude	12866
15	Mr. Rishabh Dongre	13342
16	Mr. tushar Kapsikar	14403
17	Mr. Gaurav Tembhurkar	37032
<b>B. Pharm Third Year</b>		
18	Ms. Mariya Amravatiwala	1755
19	Mr. Amaan Sheikh	3815
20	Ms. Rutuja Raghorte	4620

**RTMNU B. Pharm Result**

Year	Sem	% Result	Topper (% Score)
B. Pharm.	VIII	95.58	1) Rahul R. Bhagwat - (425/550) (77.27%) 2) Pankaj T. Balki - (418/550) (76%) 3) Aishwarya U. Mohnani - (413/550) (75.09%)
B. Pharm.	VII	64.70	1) Sayed Afshanaz Habib - 448/600 (74.66%) 2) Chetana Shyam Khot - 445 /600 (74.16%) 3) Vaishali Gajananrao Kohale - 441 /600 (73.50%)
B. Pharm.	VI	78.08	1) Sheikh Amaan Sheikh Akram - (607/750) (80.93%) 2) Mariya Ismail Amravatiwala - (592/750) (78.93%) 3) Shaikh Tanveer Raza - (578/750) (77.06%)
B. Pharm.	V Sem	65.75	1) Sheikh Amaan Sheikh Akram 504/650 (77.53%) 2) Mariya Ismail Amravatiwal 488/650 (75.07%) 3) Mrunali Shivshankar Karemore 480/650 (73.84%)
B. Pharm.	IV	62.50	1) Sarpreet Kaur Multan - (544/700) (77.71%) 2) Sarthak Sanjay Chafle - (528/700)( 75.42%) 3) Soniya Anil Bhojwani - (525/700)(75 %)

B. Pharm.	III	55.26	1) Manem Madhumathi S. Rao - 495/600 (82.50%) 2) Saishree S. Urkude - 483 /600 (80.50%) 3) Pallavi S. Virulka - 479/600 (79.83%)
B. Pharm.	II	63.30	1) Daksh S. Tulswani - 535/725 (73.79%) 2) Avadhi R. Gumgaonkar - 534 /725 (73.65%) 3) Priya Asto Mandal - 533 /725 (73.51%)
B. Pharm.	I Sem	58.18	1) Priya Asto Mandal - (521/675) (77.18%) 2) Utkarsh Ramesh Mule - (513/675) (76%) 3) Vaidehi Laxminarayan Verma - (550/725) (75.86%)
M. Pharm (Pharmaceutics)	IV Sem	100	--
M. Pharm (Pharmaceutics)	III Sem	100	1) Kajal Bhede - (432/525) (82.28%) 2) Sana Parveen Moin Shaikh - (430/525)(81.90 %) 3) Prachi B. Rode - (429/525)(81.71 %)
M. Pharm (Pharmaceutics)	II Sem	88.23	1) Abhijeet Jitendra Shinde - 513/650 (78.92%) 2) Ayushi Prabhaka Choudhary - 509 /650 (78.30%) 3) Abhishek Balchandra Joshi - 508 /650 (78.15%)
M. Pharm (Pharmaceutics)	I Sem	82.35	1) Ayushi P. Choudhary - 494/650 (76%) 2) Abhishek B. Joshi - 480/650 (73.84%) 3) Minal Dinesh Raut - 476/650 (73.23%)
M. Pharm (Q. Assurance)	IV Sem	100	--
M. Pharm (Q. Assurance)	III Sem	100	1. Md. Aatir Akhtar - (454/525) (86.47%) 2. Savant A. Upare - (451/525) (85.90%) 3. Bhairavi V. Gawande - (449/525)(85.52 %)
M. Pharm (Q. Assurance)	II Sem	86.66	1) Sakshi Babarao Bhandekar - 499 /650 (76.76%) 2) Kiran Prakash Ambade - 497 /650 (76.46%) 3) Shivam Sanjay Domkundwar:- 496/650 (76.30%)
M. Pharm (Q. Assurance)	I Sem	60.0	1) Kiran Praksh Ambade - 479 /650 (73.69%) 2) Nikhil Atmaram Nikule -473 /650 (72.76%) 3) Khushbu Ravindra Pandhare -466 /650 (71.69%)
M. Pharm (Pharm. Chemistry)	IV Sem	100	--
M. Pharm (Pharm. Chemistry)	III Sem	100	1. Yashu R. Shivhare - (408/525) (77.71%) 2. Rachana D. Dhokpande - (382/525)(72.76 %) 3. Kajal M. Bais - (369/525)(70.28 %)
M. Pharm (Pharm. Chemistry)	II Sem	87.50	1) Kunjan Dilip Faye:- 495/650 (76.15%) 2) Komal Bhimrao Bargat:- 449/650 (69.07%) 3) Shruti Mahendra Khandekar:- 440/650 (67.69%)
M. Pharm (Pharm. Chemistry)	I Sem	75.0	1) Kunjan Dilip Faye:- 482/650 (74.14%) 2) Komal Bhimrao Bargat:- 436/650 (67.07%) 3) Janhavi Harish Indurkar:- 421/650 (64.76%)

**• PLACEMENT •**

No. pf Students	Name of the company	No. pf Students	Name of the company
01	Hetero Healthcare	01	Syneous Health Ltd., Gurgaon
01	Micro Lab Ltd, Bengaluru	01	Brooks Laboratories Ltd., Mumbai
01	Zim Laboratories Ltd., Kalmeshwar	01	Himalaya Wellness Store, Bengaluru
01	Mankind Pharma Ltd. Mumbai	01	Optum Healthcare and Technology Pvt.Ltd, Mumbai
01	Unijules Pharma Ltd. Hingna	01	IPCA Laboratories Ltd. Mumbai
01	Nisha Herbal Pvt Ltd, Nagpur	02	Macleods Pharmaceutical Ltd., Mumbai
01	Eris Therapeutics Ltd, Ahmedabad	01	Entero Healthcare Solution PVT.LTD., Faridabad , Hariyana
01	Royal Gondwana College of Pharmacy, Nagpur	01	Unijules Lifescience Ltd., Kalmeshwar
01	Cognizant Technologies Ltd., Pune	01	Credo Lifesciences, Hyderabad
01	MPCP Care Pvt, Ltd. Nagpur	01	Genpact Technologies Ltd., Bengaluru
01	CANVASS Clinical Research Services Pvt. Ltd., Nagpur	01	Pearl Hospital, Nagpur



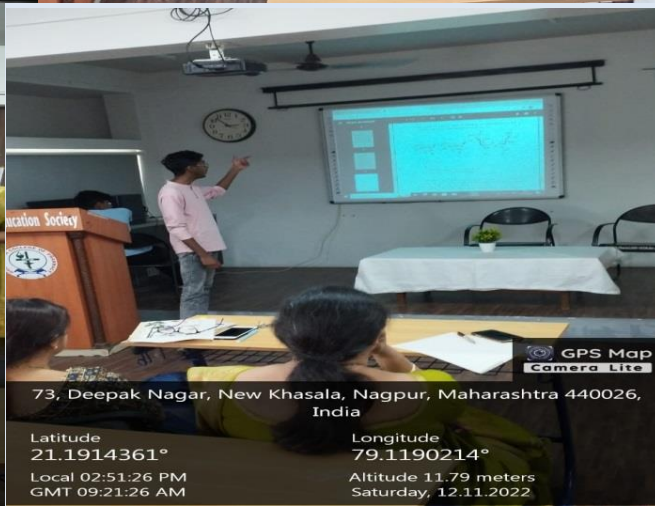
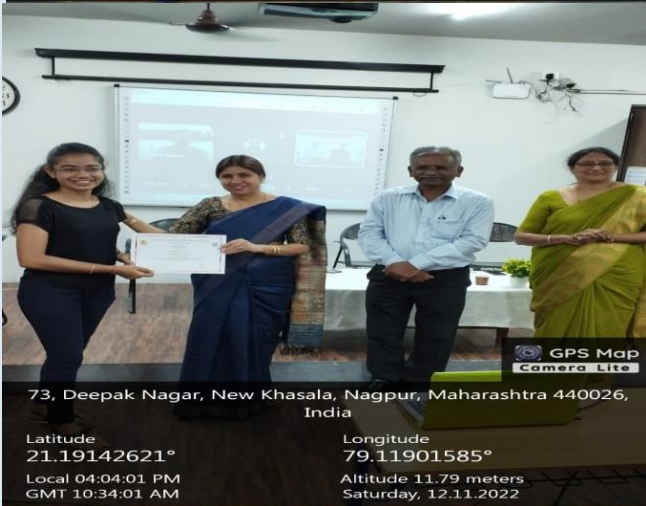
**COURSE CONDUCTED**

**SHORT TERM CERTIFICATE COURSE ON INTELLECTUAL PROPERTY RIGHTS (30 HOURS)**

Gurunanak College of Pharmacy, Nagpur organized a short-term certificate course on Intellectual Property Rights of 30 hours from 4 to 12 November 2022 in association with PathtoIP LLP, Pune. This in house event was conducted in hybrid mode. This short term certificate course on Intellectual Property Rights(IPR) was designed for introducing basics of IPR to the students and comprised of training sessions along with activity based participative learning and final assessment for grading of the participants.

This well-structured course was designed by the inputs from persons working in the domain of IPR. The sessions were conducted by trained IPR professionals, Ms. Kawita Kanoje and Ms. Nidhi Agrawal, Co-founders of PathtoIP LLP, Pune ,with an enriching experience of more than 10 years in the field. The contents of the course included introduction to IPR, types of IPR, patentability criteria, patentable subject matter, structure of patent, drafting of patent, IP filing procedures, IP infringement, compulsory licensing etc.

Total 11 students participated in this course. All the participants were graded based on various assignments and awarded with certificates.



## APPLICATIONS OF COMPUTATIONAL TECHNIQUES IN DRUG DESIGN & DISCOVERY

Gurunanak College of Pharmacy, Nagpur has organised a five days hands on training on "Applications of computational techniques in drug design & discovery" from 16 Oct to 20 Oct 2022. The seminar was attended by 13 delegates includes faculty members and M. Pharm students from different institutes. Mr. Sapan K. Shah, Assistant professor, J L Chaturvedi college of Pharmacy, Nagpur and Dr. Sumit K. Arora, Assistant professor, Gurunanak college of Pharmacy, Nagpur were the Resource Person and Trainer for the workshop. During this workshop, Delegates had learned the basics of molecular docking, protein, ligands and some relevant software.

In silico molecular docking was studied using Vina and Chimera Software's, in which selection of protein, ligand and their preparation for docking were performed and the binding energies were calculated. Virtual screening and Visualization techniques were studied and performed using different software with add on knowledge on ADMET properties. Hands-on training was provided to all delegates by the assessment of the delegates. After completing this program students can undertake a CADD project and prepare the molecules in the laboratory designed by them.

Dr. Abhay M Ittadwar was the convenor and Dr. Nidhi Sapkal, Dr. Sumit Arora, Dr. Subhash Yende were the coordinator for the program.



**EVENTS ORGANIZED**

**International Yoga Day**  
21 June 2022

मनः प्रशमनोपायो योग इत्यभिधीयते।  
The recourse to pacify the mind is called yoga.

Time: 8.00 am  
Venue: Auditorium

International Yoga Day was celebrated on 21<sup>st</sup> June 2022 at 8am in the college Auditorium

**संविधान दिवस**  
A Government of Laws and Not of Men

सत्यमेव जयते

LET US CELEBRATE OUR LAWS TOGETHER AT THE CONFERENCE HALL AT 10.30 AM ON 26TH NOVEMBER, 2022

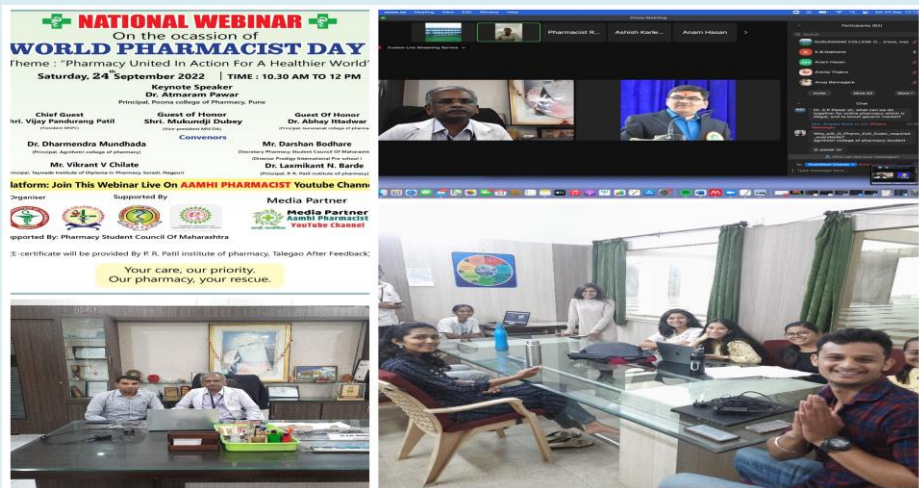
ORGANISED BY  
NATIONAL SERVICE SCHEME

**GURUNANK COLLEGE OF PHARMACY, DIXIT NAGAR, NAGPUR**

NSS unit of GNCP celebrated Constitution Day on 26<sup>th</sup> November 2022 in in the college Auditorium

**NATIONAL WEBINAR ON THE OCCASION OF WORLD PHARMACIST DAY**

National webinar on world Pharmacist Day was held on 24<sup>th</sup> Sep, 2022 through zoom meet and YouTube live steaming was organized by Gurunank College of Pharmacy, Nagpur in collaboration with P. R Patil Institute of Pharmacy, Taywade Institute of Diploma in Pharmacy, Agnihotri College of Pharmacy and media partner 'Aamhi Pharmacist' YouTube channel. In this Shri. Vijay Patil, president, Maharashtra state pharmacy council, made an opening remark on the topic 'How online pharmacy has affected community pharmacy. Dr. A. M. ittadwar delivered a speech on importance of 'Natural products in Pharmaceutical Industry. Dr. Aatmaram Pawar added a focus on the theme of national webinar 'Pharmacy United in Action for A Healthier World', followed by question-answer round. About 100 students attended the webinar on zoom app, while 200 attended this on youtube livestreaming. Dr. Gulshan Gurunani, Mr. K.S. Moharir, Mrs. Shobha Ubgade were among the teacher coordinators for the event. The youtube link for the said event is <https://youtu.be/Xp-vZFPTEfo>.



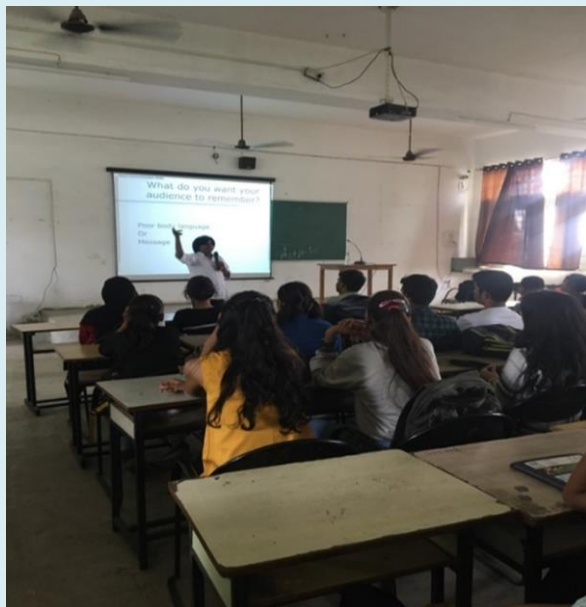
## SEMINAR ON INNOVATION, INTELLECTUAL PROPERTY AND ENTREPRENEURSHIP (I2E)

A one day seminar on **Innovation, Intellectual Property and Entrepreneurship (I2E)** was organized on 13 January 2023 in Sardarni Paramjeet Kaur Kalsi Auditorium. This seminar intended to make the attendees aware about the processes of generating innovative ideas, scrutinizing them for IP Protection, Forming and running a scientific enterprise, risks and reward associated with running a start-up, creating IP assets for the start-up, raising funds and market entry through commercializing the innovative ideas. Overall, innovation, intellectual property, and entrepreneurship are closely interlinked, as innovation is often the driving force behind entrepreneurship, and intellectual property plays a key role in protecting and enabling the commercialization of innovative ideas. Hence, this theme was chosen for the seminar that witnessed huge participation from the region.

Around 180 delegates registered for this seminar. The esteemed speakers for the seminar were experts from the field. Both the speakers, Mr. Ashutosh Prachand, Director, Leidenfrost Innovations Pvt Ltd., registered patent agent, invention consultant and TRIZ practitioner and Dr. Milind Choudhari, Founder and CEO, WeInnovate Biosolutions Pvt. Ltd shared their knowledge and experiences with the audience. All the participants enjoyed their sessions and connected with them very well. The seminar started with inaugural ceremony where both the speakers were welcomed followed by technical sessions. The seminar ended with valedictory function and certificate distribution. The event was successfully conducted by the joint efforts of Gurunanak Technical Institute (Diploma in Pharmacy) and Gurunanak College of Pharmacy, Nagpur.



## WORKSHOP ON "PERSONALITY DEVELOPMENT & COMMUNICATION SKILLS"



A one-day workshop was organized on the topic "Personality Development & Communication Skills" for the students on 17 March 2023 in the college campus. Expert trainer from the field, Ms. Prati Dhopte engaged students with her sessions and activities. The workshop covered various areas of Personality Development & Communication Skills like attitude, soft skills, presentation skills, interview skills, e mail etiquettes, essentials of group discussion and CV preparation.

This workshop introduced students with some of the essential professional etiquettes required at workplace. Interesting sessions along with participative activities were very well received by all the students. This workshop was coordinated by Co-curricular committee. Around 87 students attended this event. The event concluded with feedback from students and vote of thanks.

## WORKSHOP ON DSIR-PRISM SCHEME & PROPOSAL WRITING

A workshop was organized by Gurunanak College of Pharmacy on the topic, "DSIR-PRISM Scheme & Proposal writing". This was organized in collaboration with DSIR, Government of India and Tocic, Sri Padmavati Mahila Visva Vidyalayam (SPMVV), Tirupati.

The objective of this workshop was to explain the benefits of this scheme and train the participants about proposal writing. Prof Nidhi Sapkal welcomed the guests and participants. Dr. Abhay Ittadwar gave his opening remarks on the occasion. The theme of the workshop was explained by Dr. Ramanuj Banerjee, Scientist F, Member Secretary-PRISM, DSIR. He informed the participants about the salient features of this scheme. Prof. P.Uma Maheswari Devi, Coordinator, DSIR-TOCIC, SPMVV, Tirupati explained the thrust areas, eligibility criteria and some successful case studies related to PRISM. She also guided about the proposal writing and evaluation process. Finally, the session was closed by Prof. Josthana, Co-Coordinator, DSIR-TOCIC, SPMVV, Tirupati with vote of thanks. The event was attended by faculty, M. Pharm and PhD students.

## CPR DEMONSTRATION

The Gurunanak College of Pharmacy's National Service Scheme (NSS) Unit organized a Cardiopulmonary Resuscitation (CPR) demonstration on 27<sup>th</sup> September 2022 at Sardarni Paramjeetkaur Kalsi Auditorium. The Viveka Hospital's Healthcare team demonstrated CPR on a dummy toy body and further explained about how to do it and what precautions should be taken while performing this CPR and stated that it is a life saving technique.

The Principal of GNCP & GNTI, Teaching Staff, Non-Teaching Staff and the students of GNCP & GNTI attended this CPR Demonstration and learned about this life saving technique.



## SWACHH BHARAT MISSION ABHIYAN

The campaign was launched on 01-02 October 2022 at nearby area of Gurunanak College of Pharmacy, Nagpur. 65 student members of NSS unit of GNCP participated and gave information to peoples related to hygiene and sanitization.



## EDUCATIONAL TOUR AND INDUSTRIAL VISIT



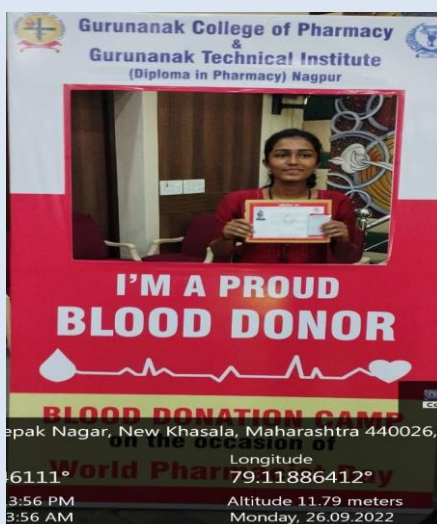
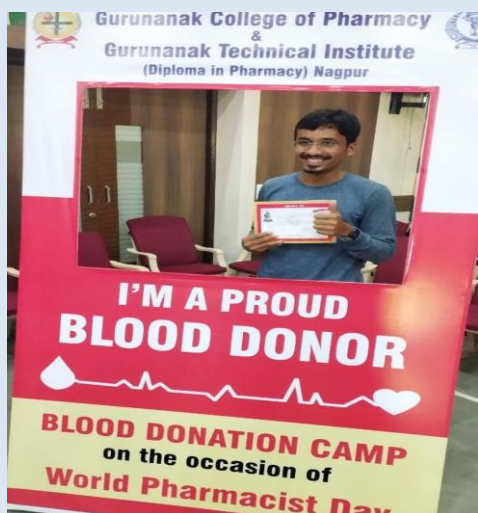
An educational tour and industrial visit was organized for B. Pharm and M. Pharm students on 25-31 Mar, 2023 to Goa. Students visited the facility of Sanofi Healthcare India Pvt. Ltd., Verna, Goa and got the insights of the pharmaceutical industry. The plant was specially dealing with research and development and technology transfer.

In this event students also visited to various scenic and historic places in north and south Goa which includes mainly Doodh Sagar Waterfall, Aguada Fort, Cabo-De-Rama Fort, Pebble Beach, Colongute Beach, Bagha Beach, Shanta Durga temple and Mangeshi temple.

Total 36 students, one supporting staff member Mr. Akash Raut with faculty members Dr. Sheelpriya Walde, Dr. Suhas Padmane and Mr. Krishnakant Bhelkar attended the same.

## BLOOD DONATION CAMP

On the occasion of World Pharmacist Day, NSS unit of Gurunanak College of pharmacy, Nagpur in association with Hedgewar blood Bank, Nagpur organized blood donation camp on 26<sup>th</sup> September 2022.



## ENTREPRENEURSHIP AWARENESS CAMP

Entrepreneurship Development Cell of GNCP organized three days Entrepreneurship Awareness Camp on 14, 15 and 18 Jan, 2023, in the college premises in collaboration with Maharashtra Centre for Entrepreneurship Development (MCED). The event was comprising of the brain-storming sessions for two and half days and also a local industry visit. The program was co-ordinated by Dr. M. M. Bodhankar, Member Secretary, Entrepreneurship Development Cell, GNCP, Nagpur.

On day 1, Mrs. Mallika Meshram told about her entrepreneurship journey. She abbreviated the term PHARMA in a very impressive way where the term stands for Power, Honesty, Aspiration, Respect, Motivation and Attitude respectively. Mr. Hemant Waghmare briefed about the working of the MCED. Later Mr. Upal Sinha, ED trainer gave some information about entrepreneurship, the future advantages, Qualities needed to become a good entrepreneur and sustainability of a good business. He also talked about the legal and certification criteria needed to run a business.

On second day, Mr. Shantaram Sonune shared his knowledge based on marketing and pricing strategy of a product. The lecture included key points such as pricing and promotion of a product, how to make people buy it and the various factors which influence the pricing strategy. He also talked about how companies attract customers with the help of marketing and how advancements in the field of digital technology have improved the advertising sector. He also explained about the different pricing tactics which include cost based pricing, customer based pricing and competition based pricing. Another speaker, Mrs. Karuna Shende told the importance of effective communication in the entrepreneurial field. She talked about the significance of being a good speaker, listener and having a good body language can help build a team and convince the customers to buy a product. She also told about the various types of communication used in the marketing sector to capitalize the market. It was a fun session where students enjoyed communicating with the speaker and enhancing their skills.

The third day of the camp started with the lecture of Mr. Kapil Maheshwari on the topic project report formation and taxation. He explained about the various taxes which include direct and indirect taxes taken by the Govt. He talked about the income sources which include income from salary, house property, profit and gain, capital gain and income from other sources. He also talked about the various government documents needed to start a business and the way we could get them. Further, students visited Vithoba Industries at MIDC as a part of the MCED camp. It was a great experience for the students to learn practically how an industry works, what are the various hurdles which come across and how proper management can build a successful business. The students saw the production of Vithoba Powder. They got to know about the constituents used in making the powder and the production process which included segregation of pure raw materials, obtaining amorphous form of raw materials and blending it with other constituents to obtain the product. They also came to know about the quality assurance methods used to check the quality of the sample. The production manager guided and explained the working of the various machines used in the process. The students also saw the storage area called the cold room where all the finished products were kept and were ready for dispatch. It was a great experience for the students as they practically saw the working of the manufacturing unit.

The seminar was filled with interaction where students put their questions in front of the speaker and they were answered in a simple and informative way. It helped the young entrepreneurs to know about the pricing and marketing game played by companies to earn money.



## GUEST LECTURE ORGANIZED

1. "Nanotechnology in Drug delivery system" on dt 13/08/22 for PG students and faculty by professor Dr. Shailesh Patwekar of SRTM University, Nanded.
2. "Computer aided drug design: an important tool in drug discovery" on dt 13/08/22 for PG students and faculty by Dr. S.R. Butle, Professor from SRTM University, Nanded.
3. "Funding opportunities and research project proposal writing" on dt 27/07/2022. Dr. D.M. Kokare, Professor, UDPS, RTMNU, Nagpur was the resource person for the session.
4. "Quality by Design approach in Formulation Development" was organized for the post graduate students on dt. 11 July 2022. Ms. Farheen Bano was the guest speaker and interacted with students on the role and need of QbD in formulation development of dosage forms.
5. "Regulatory Affairs in Pharmaceuticals on dt 11 November 2022 for B.Pharm Final year students. Ms. Navin Gujaral, RA Manager, Unijules Life Sciences, Nagpur was the resource person for the session.
6. "Mental Health Awareness in Today's World" was organized on 1<sup>st</sup> September 2022 at Gurunanak College of Pharmacy, Nagpur. The guest speaker Dr. Mr. Prashek Walde, a renowned Neuro-psychiatrist of the city addressed the students and staff on various issues related to mental health.
7. "How to deal with mental stress" was organized on dt 12/10/2022 for the students and staff members with the purpose of guiding them on maintaining a peaceful and conducive environment around them. Mrs. Kartika Jamdar, Consultant Psychologist from Mumbai was the resource person.

### **Training program Organized: (students and staff both)**

1. Training Program for B.Pharm Final Year students on "Preparation of Patent Landscape and Market Survey of Pharmaceutical Products" was conducted by Dr. Nidhi Sapkal on dt 27/09/2022. Around 32 students attended the in house training program.
2. A training program for the laboratory staff and store in charge was conducted on 22 August, 2022 by IQAC. Dr Vaishali Kilor, Dr. Govind Lohiya and Mrs. Shobha Ubgade were the trainers for the training program that covered Stock book writing, soft skills, audit preparation and organization of laboratories.
3. A motivational talk by Mrs. Shamina Qureshi, Laboratory technician, Pharmacology Laboratory on Handling of Laboratory Affairs was organized on 1st Oct, 2022 in the conference room. All the supporting staff members attended the program

## RESEARCH & DEVELOPMENT ACTIVITIES

### BOOK CHAPTER

1. **Sumit Arora, Shobha Ubgade, Alok Ubgade;** "Recent Techniques in Isolation of Nutraceuticals from Plants" in "Nutraceutical Delivery Systems" edited by Pankaj Dangre and Debarshi Kar Mahapatra, published by Apple Academic Press, (CRC Press, Taylor and Francis Group) Toronto; August 2022. Hard ISBN: 9781774637166 E-Book ISBN: 9781003189671
2. **Vaishali Kilor, Nidhi Sapkal, Shobha Ubgade, Abhay Ittadwar** "Microemulsions for Improvement in Bioavailability of Potential Nutraceuticals" in "Nutraceutical Delivery Systems" edited by Pankaj Dangre and Debarshi Kar Mahapatra, published by Apple Academic Press, (CRC Press, Taylor and Francis Group) Toronto; August 2022. Hard ISBN: 9781774637166 E-Book ISBN: 9781003189671
3. Shoqufto Khan, **Vaishali Kilor**, Dilesh Singhavi, Kundan Patil. "Progress in nanotechnology-based targeted cancer treatment" in book Photophysics and Nanophysics in Therapeutics. Elsevier, 2022, ISBN: 9780323898393.
4. Vipin V. Dhote, **Vaishali A. Kilor**, Muthu Kumaradoss Mohan Maruga Raja, Ashish Singhai, Avinash Singh Mandloi, Aman B. Upoganlowar. "Effect of *Tinospora cordifolia* on neuroinflammation" in book -Treatments, Nutraceuticals, Supplements, and Herbal Medicine in Neurological Disorders. Academic Press, 2023, ISBN: 9780323900522

### RESEARCH/REVIEW ARTICLE PUBLISHED

1. Farheen Bano Khan, **Vaishali Kilor, Nidhi Sapkal**, Priya Dule. Formulation development of mouth dissolving printed film of ketorolac and in vitro evaluation. International Journal of Applied Pharmaceutics, 2022, 14(5), 128-136. Scopus, UGC
2. Punit D. Varma, Yogita D. Shahu, **Subhash Yende, Sumit K. Arora**, Pranali Mishra, Shailesh Jain, Ankit Mishra. A Brief Review on Lysozyme's Pharmacology and Drug-Carrying Capacity. Research Journal of Pharmacy and Technology, 2022, 15(12), 5886-5894. doi: 10.52711/0974-360X.2022.00993 Scopus
3. **Sumit Arora**, Pallavi Rushiya, Kalpana Tirpude, **Nidhi Sapkal, Subhash Yende, Abhay Ittadwar**, Sapan Shah. Exploring the phytoconstituents targeting TNF- $\alpha$  as potential lead compounds to treat inflammatory diseases: an in-silico approach. Digital Chinese Medicine, 2022, 5(3), 264-275. Scopus
4. **Gulshan Gurunani**, Kapil Agrawal, **Sheelpriya Walde, Abhay Ittadwar**. Synthesis of Sparfloxacin derivatives as an antibacterial, antimycobacterial agents with cytotoxicity investigation. Research Journal of Pharmacy and Technology 2022 15(10), 4359-4366. DOI: 10.52711/0974-360X.2022.00731 Scopus

5. **Bhelkar, K. B., Moharir, K. S., Kale, V. V.** Formulation and evaluation of superabsorbent hydrogel from natural polymer. *International Journal of Applied Pharmaceutics*, 2022, 15(2). <https://doi.org/10.22159/ijap.2023v15i2.46794> Scopus, UGC
6. **Moharir, K. S., Bhelkar, K. B., Kale, V. V., Ittadwar A. M.** Sustainable synthesis and characterization of multipurpose nanocellulose from fresh water aquatic weed as pharmaceutical excipient. *International Journal of Applied Pharmaceutics*, 2022, 15(2). Scopus, UGC,
7. **Dhanashree P. Sanap, Nidhi P. Sapkal, Anwar S. Daud.** Design and Characterization of Microemulsion System for Fentanyl citrate. *Research Journal of Pharmacy and Technology* 2023; 16(3):1319-1326. DOI: 10.52711/0974-360X.2023.00217 Scopus,
8. **Sapan Shah, Dinesh Chaple, Puja Badne, Samruddji Khonde, Shivani Deshmukh, Sumit Arora, Subhash Yende.** 2D-QSAR Modeling of Chalcone Analogues as Angiotensin Converting Enzyme Inhibitor. *Biointerface Research in Applied Chemistry*, 2023, 13(4), 370. Scopus
9. **Sapan Shah, Dinesh Chaple, Vijay H. Masand, Magdi E.A Zaki, Sami A. Al-Hussain, Ashish Shah, Sumit Arora, Rahul Jawarkar & Mohammad Tauqeer** (2023): In silico study to recognize novel angiotensin-converting-enzyme-I inhibitors by 2D-QSAR and constraint-based molecular simulations, *Journal of Biomolecular Structure and Dynamics*, <https://doi.org/10.1080/07391102.2023.2203261> Scopus; IF 5.23
10. **Sumit Arora, Kalpana Tirpude, Pallavi Rushiya, Nidhi Sapkal, Subhash Yende, Abhay Ittadwar and Sapan Shah.** Investigation of Neolamarckia cadamba phytoconstituents against SARS-CoV-2 3CL Pro: An In-Silico Approach. *Orbital: Electron. J. Chem.* 2023, 15(1), 49-56. <http://dx.doi.org/10.17807/orbital.v15i1.17592> Scopus;
11. **Deepali N. Tapre, Sachin P. Borikar, Shirish P. Jain, Sheelpriya R. Walde, Ganesh G. Tapadiya, Vishal C. Gurumukhi.** Development and evaluation of novel famotidine-loaded fast dissolving sublingual film using the quality-by-design approach. *Journal of Drug Delivery Science and Technology* 85 (2023) 104581. IF 5 <https://doi.org/10.1016/j.jddst.2023.104581> Scopus; Web of Science,
12. **Pande V. B., Chandel S. S., Soni V.** Novel Antidiabetic Polyherbal Formulation for Synergistic Therapeutic Effects in Streptozotocin (STZ)-Induced Diabetic Rats. *IJDDT*, 2022, 12 (4), 1612-1617. UGC; IF-1.529
13. **Bhagyashri A. Borade, Sachin J. Dighade and Suhas P. Padmane.** Robust Simple Analytical Technique for Development and Validation of Stability Indicating Assay Method for Estimation of Teneligliptin In Pharmaceutical Dosage Form. *International Journal of Pharmaceutical Sciences and Research*, 2022, 13(8), 3280-3287 DOI: 10.13040/IJPSR.0975-8232.13(8).3280-87

14. Nitin G. Haswani, Kapil M. Agrawal, Pritam S. Jain, Mohan Kalaskar, Vilas Rathod, Vishal M. Balaramnavar, Deepti Mathpal, Santosh Kumar, Anil Ahuja and **Gulshan Gurnani**. Development and validation high-performance thin-layer Chromatography and UV-AUC method for estimation of Dexamethasone in bulk and in pharmaceutical formulation. *The Journal of Oriental Research Madras*, 2022, 94-109.
15. Chetan Sushir, **Vaishali Kilor** and Ashika Rewatkar. Pediatric Drug Development Process: A Review. *Asian Journal of Pediatric Research*, 12, 2, 2023, 23-34. DOI: 10.9734/AJPR/2023/v12i2238 Google Scholar
16. Adiba Khan, **Mitali Bodhankar**, Nikita Pal. Applications of Microparticles: A Review. *International Journal of Research in Pharmaceutical Sciences* 2023, 14(1), 51-56. DOI: <https://doi.org/10.26452/ijrps.v14i1.4256> Google Scholar
17. Mayuri S. Pal, **Shekhar B. Waikar**. Natural Excipients used for Formulation of Pharmaceutical Beads. *International Journal of Pharmaceutical Sciences Review and Research*, 81(1), July - August 2023; 6-12. <http://dx.doi.org/10.47583/ijpsrr.2023.v81i01.003> Google Scholar
18. Gule Samreen Kazi, Dimple S. Sahare, Bhairavi V. Gawande, **Suhas P. Padmane, Sheelpriya Walde**. Current and Future Trend of Polyherbal Cough Suppressant (Anti-Tussive) Syrup: A Review. *International Journal of Pharmaceutical Sciences Review and Research*, 80(2), May - June 2023; 36-39 Google Scholar <http://dx.doi.org/10.47583/ijpsrr.2023.v80i02.005>
19. Archana P. Jawaje, Bharti Dongare, **Suhas P. Padmane, Sharad Manapure, Sheelpriya Walde**. Skin Hyperpigmentation and its Herbal Treatment: A Review. *International Journal of Pharmaceutical Sciences Review and Research*, 81(1), July - August 2023; 92-97. <http://dx.doi.org/10.47583/ijpsrr.2023.v81i01.016> Google Scholar
20. Bharti D. Dongare, Archana P. Jawaje, **Suhas P. Padmane, Sharad Manapure, Sheelpriya R. Walde**. Anticancer Activity, Phytochemical Screening, Isolation and Structure Elucidation of Scopoletin in *Ipomoea reniformis* Choise: A Review. *International Journal of Pharmaceutical Sciences Review and Research*, 81(1), July - August 2023; 109-116. <http://dx.doi.org/10.47583/ijpsrr.2023.v81i01.019> Google Scholar
21. Pratiksha Kaikade, **Sheelpriya Walde**, Shital Chavan, Anand Purohit. Gastro Retentive Drug Delivery System: A Novel Approach for Prolong Therapeutic Activity. *International Journal of Pharmaceutical Sciences Review and Research*, 80(2), May - June 2023; 8-13. <http://dx.doi.org/10.47583/ijpsrr.2023.v80i02.002> Google Scholar
22. Shital Chavan, **Sheelpriya Walde**, Pratiksha Kaikade, Anand Purohit. Iron Deficiency Anemia and Treatment: An Overview. *International Journal of All Research Education and Scientific Methods (IJARESM)*, 11 (5), May-2023. 1976-1981. Google Scholar

23. Snehal Chaudhari, **Sheelpriya Walde**, Anand Purohit. A Review on Floating Drug Delivery Systems. *International Journal of Pharmaceutical Sciences Review and Research*, 81(1), July - August 2023; 37-41. [Google Scholar](#)
24. Dipti C. Pirwani, **Tirupati M. Rasala**, Kajal J. Bhede, Shubham S. Gupta, **Abhay M. Ittadwar**. Natural Excipients as Teeth Whitening Agents: A Review. *International Journal of Pharmaceutical Sciences Review and Research*, 79(2), March - April 2023; 102-107 [Google Scholar](#)
25. Dimple S. Sahare, **T. M. Rasala**, Kajal P. Kesare, Shubham S. Gupta, **Abhay M. Ittadwar**. Protein Energy Malnutrition: An Overview for Child Health *International Journal of Pharmaceutical Sciences Review and Research*, 80(1), May - June 2023; 17-22. [Google Scholar](#)
26. Kajal P. Kesare, **Tirupati M. Rasala**, **Abhay M. Ittadwar**, Dimple Sahare. Natural Disintegrating Agents in Pharmaceutical Formulation and Development: Review. *International Journal of Pharmaceutical Sciences Review and Research*, 80(1), May - June 2023; 23-28. [Google Scholar](#)
27. **Tirupati M. Rasala**, Rajesh Mujariya, Shubham N. Kalbande, Prachi Pahade and Abhay M. Ittadwar. Quality by Design (qbd): Application of QBD in Pelletization. *European Journal of Biomedical and Pharmaceutical Sciences*, 2022, 9 (3), 220-227. [Google Scholar](#)
28. **Tirupati M. Rasala**, Rajesh J. Mujariya, Shubham. S. Gupta, **Abhay. M. Ittadwar**. Formulation Development of Flaxseed Oil Beads Containing  $\omega$ -Fatty Acid. *Journal of Drug Delivery and Therapeutics*. 2022; 12(6-S):78-90 [Google Scholar](#)

### CONFERENCE/WORKSHOP/SDP/QIP/SHORT-TERM TRAINING ATTENDED

- ✓ All the faculty member attended and contributed in organization of 72nd Indian Pharmaceutical Congress, held at RTMNU campus, Nagpur on 20-22 January, 2023.
- ✓ Dr. Subhash R. Yende participated in DST-STUTI training program on Basic and Advance Translational Research Techniques, organized by Department of Pharmaceutical Sciences, RTMNU, Nagpur in collaboration with CIIMS, Nagpur from 23rd-29th January, 2023.

## PAPER PRESENTATIONS

1. Shobha Ubgade. Development of Curcumin Loaded Nanosuspension Using High Shear Homogenization for Improved Solubility and Bioavailability: In Vitro and In Vivo Characterization presentation in the Section of Medical Sciences (including physiology) of the 108 Indian Science Congress from 3 to 7 January 2023.
2. Khushbu Sharma, Ashwini Domale, Nidhi Sapkal, Sumit Arora and Abhay Ittadwar. Characterization of ionic liquid salts of active pharmaceutical ingredient using computational models for determining ADMET. 108th Indian Science Congress- 2023. Abstract number for ISC from 3 to 7 January 2023 PP114
3. Kajal Bais, Kanchan Attargade, Nidhi sapkal, Sumit Arora and Abhay Ittadwar. In-silico evaluation of hesperidin derivatives as vasoprotective agents. 108th Indian Science Congress- 2023. Abstract number for ISC: PP115
4. Pradnya Gondane and Nidhi Sapkal. Synthesis and Preliminary Characterization, Evaluation of Loratadine Ionic Salts" presented in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
5. Shobha Ubgade. Bioenhancement of drug molecules using nanotherapeutics: potential of nanosuspension as a non-specific approach presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
6. Kajal Bais, Kanchan Attargade, and Nidhi sapkal. Mechanism of action of hesperidin and diosmin in varicose vein activity presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
7. T.M. Rasala, Kajal J. Bhede, Dipti Pirwani, A.M. Ittadwar. Formulation and Development Flaxseed oil beads. presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
8. Dipti Pirwani, T.M. Rasala, Kajal J. Bhede, A.M. Ittadwar. Environment and Infectious Diseases: Emergence and outbreaks. presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
9. Kajal J. Bhede, Dipti Pirwani, T.M. Rasala, A.M. Ittadwar. Formulation and Development of Omega Fatty Acid nutraceutical Beads. presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
10. Sumit Arora, Kalpana Tirpude, Samiksha Burange, Subhash Yende. Exploration of Neolamarckia cadamba phytoconstituents as potential inhibitors of SARS-CoV-2 3CL Pro: An in silico approach. presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.

11. Govind Lohiya. The Blended teaching-learning methods. presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
12. Subhash R. Yende, Rachana D. Dhokpande, Sumit K. Arora. Pharmacokinetic & Toxicity (ADMET) profiling: An overview. presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
13. Samiksha Burange, Rachna Dhokpande, Sumit Arora and Nidhi Sapkal. SILICO APPROACH FOR IDENTIFICATION OF PHYTOCONSTITUENTS AGAINST TNF- $\alpha$  FOR ITS ANTI-ARTHRITIC POTENTIAL. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
14. Krishnakant B. Bhelkar, Keshav S. Moharir, Vinita V. Kale. PREPARATION AND PROCESS OPTIMIZATION OF SUPERABSORBENT HYDROGEL FROM NATURAL POLYMER. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
15. Rachana Dhokpande, Subhash Yende, Samiksha Burange, Nidhi Sapkal. IDENTIFICATION OF ANTI-ARTHRITIC POTENTIAL OF DIOSMIN VIA IN-SILICO MOLECULAR DOCKING MODEL. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
16. Darshana Pande, Subhash Yende, Nidhi Sapkal, Abhay Ittadwar. IN SILICO MOLECULAR DOCKING ANALYSIS OF POTENTIAL ANTI-ALZHEIMER PHYTOCHEMICALS PRESENT IN SARGASSUM SPECIES. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
17. Payal Shau, Shubhash R. Yende, Samiksha Khudare. PHYTOCHEMICAL TESTING, TLC AND ANTIMOUTH ULCER ACTIVITY OF GUAJAVA. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
18. Dipti C. Pirwani, T. M. Rasala, A. M Ittadwar. TOPICAL ANTISEPTIC FILM FORMING LIQUID FOR SKIN INJURY. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
19. Adiba Khan, Mitali Bodhankar. Guar gum based ondansetron microspheres for irritable bowel syndrome. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.
20. Nikita Pal, Mitali Bodhankar. Formulation and evaluation of proliposomal gel for acne vulgaris. Presentation in 72nd Indian Pharmaceutical Congress, Nagpur held on 20-22 January, 2023.

**GUEST LECTURE DELIVERED/ RESOURCE PERSON**

- ✓ Dr. A. M. Ittadwar was invited as guest of honour and has delivered a speech on importance of 'Natural products in Pharmaceutical Industry' in a national webinar on occasion of world pharmacist day
- ✓ Mrs. Shobha Ubgade delivered an online guest lecture on the topic "Delivery Systems" on 01 March 2023 conducted by Department of Cosmetic technology, L.A.D. and Smt. R.P. College for Women, Nagpur as a part of Credit Course Programme for Ph.D. Students.
- ✓ Dr. S. K. Arora delivered a webinar on topic 'Towards GPAT 2023 preparation' organized by Shri Vile parle Kelavani Mandal's Institute of Pharmacy, Dhule held on 13-14 Oct, 2022,
- ✓ Dr. S. K. Arora conducted a session on "Reference Management Software: Zotero and Aspects of Plagiarism" at C. P. and Berar College, Ravi Nagar, Nagpur, as a part of the Pre-PhD Course Work on October 31, 2023.
- ✓ Dr. S. K. Arora participated as a resource person and trainer in one week hands on training program on 'Application of computational techniques in drug design and development, held on 16-20 Oct, 2022 at Gurunanak college of pharmacy, Nagpur.
- ✓ Dr. Subhash R. Yende delivered a guest lecture on Pharmacokinetic and Toxicity profiling at Priyadarshini JL college of pharmacy, Nagpur on 19th November, 2022.
- ✓ Dr. Subhash R. Yende delivered 10 lectures on Pharmacology at Shree Ayurved College, Nagpur in month of Sept, 2022.
- ✓ Mr. Krishnakant Bhelkar conducted lectures on research methodology at Shree Ayurved College, Nagpur in month of Sept, 2022.
- ✓ Dr. Subhash R. Yende and Dr. Govind K. Lohiya participated as Poster Evaluator in the scientific session at 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, RTMNU, Nagpur on 21/01/2023.



## SUCCESS STORY

### Rajesh Dembla, Founder Zoodle

Rajesh is a self-made man who has earned a reputation for himself through sheer hard work and talent. The career-driven, detail-oriented, and dynamic individual has extensive leadership experience in several renowned corporations. His specialities include strategy, product, revenue and brand building. He had also worked for Justdial Ltd. as the Group Vice President for Global Operations. During his tenure Justdial went from being a start-up to a VC-backed corporation to becoming a public company. 2 other companies he was involved with have listed on stock exchanges in India and USA.

Having lost his father when he was only 12, Rajesh received very little education as his family was not well off financially. At the age of 16, he moved out of his home and spent 3 months living at a railway station. To survive, he used to take up odd assignments like serving as an office boy, washing horses at the racecourse, garment factories, fibre glass units, working as a waiter and so on. He did manage to go to college with his small earnings, but could never manage to complete his education. The realization that he needs education, but not necessarily from a university or college, came early to him. Life was teaching him every day by throwing challenges that were far bigger than a young boy could handle. At the Railway station he started borrowing books and learning for himself. When people got off trains, he would request them to donate him books if they had. Rajesh always dreamt and believed that despite all the hardship he was going through, one day, he would become a person that the entire world would recognize and respect. It was his dream to own a big house, drive a Mercedes car, travel the world, employ people in all places, and be loved by all. His hard work, dedication, focus, and honesty have enabled him to achieve his dreams and more.

Rajesh started his first full-time employment with Getit Yellow Pages, which was still a startup at the time. His decision to join the company shaped the next 30 years of his life. Later, he decided to join Justdial, where he was responsible for establishing a sales channel as a consultant. Soon after, he was offered a position at Indya.com, India's first horizontal portal, he became the first Indian to set up a Yellow Pages on the internet. After a successful stint at Indya.com, he rejoined Justdial in 2002 and played a key role in the growth of the company. He also launched the Justdial Yellow Pages which went on to become a huge success. Rajesh was involved in Justdial attempting to launch in the USA. Although his career was at its peak, he wanted to do something more meaningful. That's when the idea of Xelpmoc started evolving. His idea became a reality in 2016 with the launch of Xelpmoc Design & Tech, which is now listed on the stock exchange. It was one of the many ventures he has started. In 2017, Rajesh exited Xelpmoc to pursue setting up or investing in multiple other ventures in Gaming, ecommerce, fintech, hyperlocal logistics, food, real estate, prop tech etc.



**Rajesh Dembla,  
Founder Zoodle**

*Vision: To create globally competent pharmacists*

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