



A PUBLICATION OF FACULTY OF PHARMACY BBDNIIT, LUCKNOW

PHARMAZEAL 2024



Presented By:
FACULTY OF PHARMACY, BBDNIIT, LUCKNOW
VISIT US AT:
WWW.PHARMACYBBDNIIT.ORG

PHARMAZEAL

2024

WORD WORTH

03 Director Sir Speaks...

GLIMPSES

05 WORLD PHARMACIST'S DAY 2024

06-07 NATIONAL PHARMACY WEEK 2024

08-09 UTKARSH 2024/ UNIVERSITY GAMES 2024

ABHIVYAKTI

10-13 STUDENT'S CREATIVITY

PLACEMENT DRIVE (TNPC CELL)

14 PLACEMENT FOR HIGHER STUDIES

14 PLACEMENT FOR JOBS IN INDUSTRIES/ACADEMICS

15-16 SUCCESS STORIES

17-18 ALUMNI SPEAKS

DEPARTMENTAL NEWS (What's New) 19-20

PUBLICATIONS 2023-24

21-42 RESEARCH ARTICLES/ REVIEW ARTICLES

43-46 BOOK / CHAPTER

47 COMMITTEES

48 PHARMACIST'S OATH

Director Speaks...

I am delighted to inform you that the Faculty of Pharmacy, BBDNIIT Lucknow, is publishing the annual departmental publication "PHARMAZEAL 2024" 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 23–24.

I wish you the very best.



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

VISION 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.

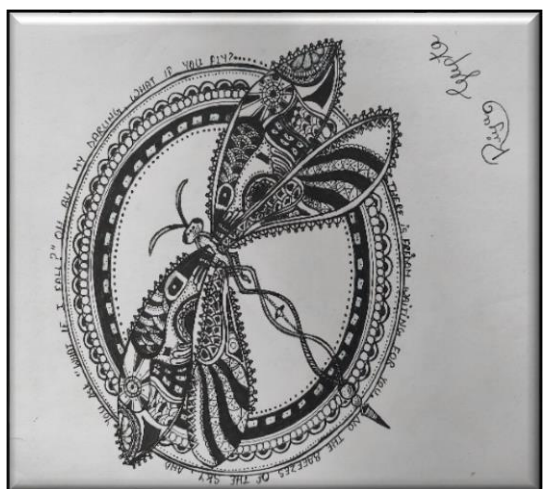


To create an ecosystem of cooperation, coordination and collaboration through national and international engagements.



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





Sketches Made by RIYA GUPTA (B. Pharm 3rd Year)



GLIMPSSES FROM EVENTS



GLIMPSES FROM EVENTS

SESSION 2023-2024



Utkarsh



Utkarsh



Utkarsh



Pharmacy Week



Pharmacy Week



Pharmacy Week

GLIMPSES FROM EVENTS

MEDICINES AND PATIENT'S BELIEFS

Medicines play a vital role in modern healthcare offering solutions to countless ailments and improving quality of life for millions. Yet, behind every prescription lies a complex interplay of science, culture and individual beliefs. Understanding and addressing patient beliefs is crucial for optimizing treatment outcomes and fostering a trusting relationship between healthcare providers and patients.

The power of prescription: How beliefs shape treatment- Beliefs about medicines are deeply ingrained and can significantly influence how individuals perceive and respond to treatment. Positive beliefs can enhance the placebo effect, leading to improved outcomes even when the medication itself has no active ingredient. Conversely, negative beliefs, such as fear of side effects or skepticism about efficacy, can undermine treatment adherence and effectiveness.

Cultural influences on medication beliefs- Cultural factors play a profound role in shaping beliefs about medicines. Practices such as traditional herbal remedies, spiritual healing and familial influences can all impact how individuals approach modern medical treatments. Understanding and respecting cultural beliefs are essential for healthcare providers to deliver culturally competent care and foster trust with patients from diverse backgrounds.

The importance of patient education- Empowering patients with accurate information about their medications is key to addressing misconceptions and building trust. Providing clear explanations about how medications work, potential side effects, and expected benefits can help alleviate fears and uncertainties.

Building trust and collaboration- Ultimately, the relationship between patients and healthcare providers is built on trust and collaborations. By acknowledging and respecting patient's beliefs, providers can establish a foundation of mutual respect and understanding.

Medicines are not just molecules; they are imbued with meaning and significance shaped by individual experiences, cultural norms, and societal influences. Regarding the importance of patient beliefs and integrating them into the treatment process is essential for delivering patient centered care and promoting positive health outcomes.

ABHIVYAKTI BY DIXA BAUDH, 4th year

Khelo India University game 2023;-A student's Perspectives

1. Khelo India University game was a multi sports tournament that provided a platform for athletes to show their skills & competence at national level.
2. Khelo India University game was a multi sports tournament that provided a platform for athletes to show their skills & competence at national level.
3. BBD campus was converted into a sports village for the duration of Khelo India University games, and was named the village “khel gaon”
4. The opening ceremony for the game held in the BBD campus while the closing ceremony was in Varanasi
5. There will be cultural events held that will also take place during the inaugural function.
6. The entire BBD campus was seen in the colors of Khelo India University games with branding of games seen everywhere.
7. A total 21 competitions were organized during the 10 days event and each volunteer will be paid Rs 500/day.
8. BBD organized the events such as archery, badminton, judo, mallakhambh and table tennis, on its own playground

ABHIVYAKTI by Faishal, 3rd year

BEING SMART

- Your Studies should be like important notifications of your phones, you see quickly you read it.
- Use of smartphones are prohibited in institutions to help you become smart be as smartphones themselves contains the word “Smart” But reduces yours’s
- Being Technically smart with smart gadgets is fair, but only being technically smart without studies is not fair

BY: MOHD AYAN, (B. Pharm 3RD Year)

Title: Remembering the Legacy of Nitya Anand Sir: A Pillar of the Indian Pharmacopoeia Commission....



Nitya Anand Sir, a stalwart in the field of pharmacology, left an indelible mark on the Indian Pharmacopoeia Commission (IPC) through his unwavering dedication and pioneering contributions. His demise leaves behind a void that resonates across the pharmaceutical landscape. Let us reflect on his profound impact and lasting legacy.

An erudite scholar and visionary leader, Nitya Anand Sir's journey with the IPC spanned decades, during which he played a pivotal role in shaping the standards and regulations governing pharmaceuticals in India. His astute guidance and meticulous attention to detail elevated the IPC to new heights, establishing it as a beacon of quality and excellence in the realm of pharmacopoeia.

Under his stewardship, the IPC witnessed unprecedented growth and modernization, with emphasis placed on harmonizing Indian Pharmacopoeial standards with global benchmarks. Nitya Anand Sir's foresight paved the way for enhanced collaboration with international regulatory bodies, fostering mutual recognition and facilitating the seamless exchange of pharmaceutical products across borders.

Beyond his administrative acumen, Nitya Anand Sir was renowned for his groundbreaking research in natural products chemistry and drug discovery. His pioneering work in elucidating the chemical structures and pharmacological properties of indigenous medicinal plants not only enriched the Indian pharmacopoeia but also contributed to the development of novel therapeutic agents with immense societal impact.

As a mentor and educator, Nitya Anand Sir inspired countless students and researchers to pursue excellence in pharmaceutical sciences. His passion for knowledge dissemination and commitment to nurturing the next generation of pharmacists and scientists left an indelible imprint on the academic landscape, perpetuating his legacy for years to come.

In commemorating Nitya Anand Sir's remarkable legacy, it is imperative to reaffirm our commitment to upholding the highest standards of quality, safety, and efficacy in pharmaceuticals. His tireless dedication to advancing the mission of the IPC serves as a guiding light, inspiring us to strive for excellence in every facet of our work.

Though Nitya Anand Sir may no longer be with us in person, his spirit lives on in the enduring impact of his contributions to the field of pharmacopoeia and pharmaceutical sciences. As we pay tribute to his memory, let us honor his legacy by continuing to pursue innovation, integrity, and excellence in the service of public health and wellbeing.

Girish Iyer (B. Pharm 3rd Student)

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

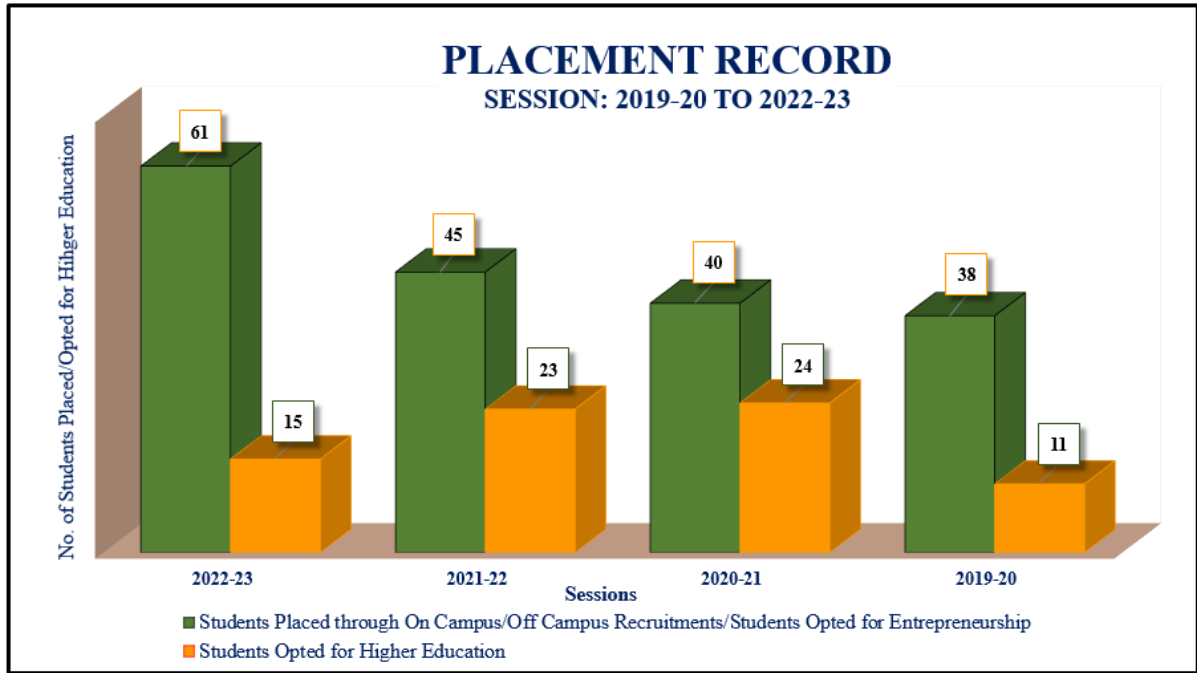
**Following students have been selected through Campus Placement Drive for Alembic
Pharmaceuticals Ltd., conducted on 13.02.2024**

S.NO.	NAME	COLLEGE NAME	HIGHEST QUALIFICATION
1.	Aditya Raj	BBDNIIT, LUCKNOW	B. Pharm
2.	Ankit Kumar	BBDNIIT, LUCKNOW	B. Pharm
3.	Krishna Agarwal	BBDNIIT, LUCKNOW	B. Pharm
4.	Prashant	BBDNIIT, LUCKNOW	B. Pharm
5.	Abhay Chandra	BBDNIIT, LUCKNOW	B. Pharm
6.	Yogesh Tiwari	BBDNIIT, LUCKNOW	B. Pharm
7.	Ajeet Pratap Singh	BBDNIIT, LUCKNOW	D. Pharm
8.	Ritesh Kumar	BBDNIIT, LUCKNOW	D. Pharm
9.	Satyam Mishra	BBDNIIT, LUCKNOW	D. Pharm
10.	Surjeet Yadav	BBDNIIT, LUCKNOW	D. Pharm

CONGRATULATIONS!



BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
FACULTY OF PHARMACY
TRAINING AND PLACEMENT CELL



BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
FACULTY OF PHARMACY
TRAINING & PLACEMENT CELL
OUR REGULAR RECRUITERS



SUCCESS STORIES

IQRA KHAN

(2023)



My name is **Iqra Khan**.

I have done my B. Pharm (2022-23) from Faculty of Pharmacy, BBDNIIT, Lucknow

I'm glad to share that I got campus placed at **Nestle Nutrition** as a **Nutrition Officer** in Lucknow.

Nestle is an MNC and one of the largest FMGC company, I have huge growth opportunities for my career in this industry.

ASHISH BHATIA

(2022)



I am **Ashish Bhatia**, graduated from BBDNIIT with flying colors, armed with a degree in pharmaceutical sciences. Fueled by ambition and a passion for making a difference in the healthcare sector, and I got an opportunity to join India's leading pharmaceutical company. During the joining process I got my mentorship from my respected teachers and I also got chance to exchange words with my seniors. There previous experience and expertise helps me a lot to understand the hiring process.

With my determination and perseverance, I applied for a trainee position at Sun pharma and impressed the hiring managers with my knowledge, enthusiasm, and willingness to learn. After securing the position I was eagerly embarked on my journey with the company.

Within just one year of joining Sun pharma, due to my exemplary performance caught the attention of senior management. Impressed by my initiative, leadership potential, and ability to deliver results, I was promoted from a trainee to an executive position.

As an executive at Sun pharma, I continued to excel, taking on more responsibilities, leading projects, and making valuable contributions to the company's success. My journey from a college graduate to a high-performing executive at India's number one pharmaceutical company serves as an inspiring success story, demonstrating the power of ambition, hard work, and determination in achieving one's career goals.

SHANU MALHOTRA

(2009)



I am **Shanu Malhotra** currently working **Managing Director** of **Medi green Pharmaceuticals Ltd.**

I have done my B. Pharm (2008-09) from BBDNIEC, Lucknow.

With immense pleasure, I want to express my gratitude to the learnings.

I received from the industry while working in reputed pharmaceutical companies from **2012 to 2017**.

I founded Medi green Pharmaceuticals in 2018 with an impetus aim to fill in the pharmaceutical industry gaps. The journey continued from one organization to another and the time from 2013 to 2017 February flew away till the dream to start with scratch from all the learnings happened all over again in 2017 with a Retail pharmacy Store which has now been developed as a distribution channel. The journey continued from one organization to another and the time from 2013 to 2017 February flew away till the dream to start with scratch from all the learnings happened all over again in 2017 with a Retail pharmacy Store which has now been developed as a distribution channel in 2024 and the pharmaceutical organization started in 2018 with an impetus aim to fill in the pharmaceutical industry gaps. It's now been almost 7 years of entrepreneurship and a team of workaholics. The journey as Medi green Pharmaceuticals began from Lucknow in October 2018 and continued to all over Uttar Pradesh (including Varanasi, Prayagraj, Kanpur, Agra) and Delhi NCR (Delhi, Gurgaon, Faridabad, Noida, Ghaziabad) market and associated smaller towns as well in these 6 years of Medigreen Pharmaceuticals step by step.

**Dr. Aman Mohan Mishra
(2013)**



Dr. Aman Mohan Mishra, a 2013 graduate of the Pharmacy Department, currently serves as a Team Leader in Public Health Management and Leadership. With a rich background including experience at WHO and expertise in Health System Strengthening and Universal Health Coverage, Aman is a seasoned public health professional with 9 years of international, national, and sub-national experience. Holding a postgraduate degree in Epidemiology and Public Health, Aman excels in advocacy, implementation, performance management, and research analysis. As a Team Lead, he provides technical support in healthsystem strengthening in Uttar Pradesh, India, collaborating with renowned institutions like Johns Hopkins Bloomberg School of Public Health. Aman has collaborated with various development partners, leading research studies and operational initiatives to enhance comprehensive primary healthcare, maternal and child health, and other essential health services, contributing to the achievement of Sustainable Development Goals.

**Mr. Himanshu Mishra
(2007)**



Mr. Himanshu Mishra, a 2007 graduate of the Pharmacy Department, currently serves as a Senior Sales Manager at Galpha Labs Ltd. With 15 years of experience in the Marketing, Mr. Himanshu has honed his expertise in Sales Department. He has undergone Sales Representative at Dr. Reddy Labs Ltd. Followed by Area Sales Manager than Senior Regional Manager at JB Chemicals, Gujrat followed by Divisional Sales Manager at Hetero Healthcare Ltd., Mumbai. Due to his great work Himanshu promoted for Zonal Sales Manager in 2017. After few years he switched for Franco Indian Pharmaceuticals Ltd. as Sales Manager, Mumbai. Currently he is working as Senior Sales Manager for Mumbai at Galpha Labs Ltd.

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.

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.
5. Poonam Jaisal, Gul Naz Fatima, Sachin Vishwakarma, Vimlesh Kumar, Shailendra Pandey, Shailendra K Saraf; Novel 2-aminopyrimidine Schiff bases as possible GABA-AT inhibitors: molecular docking, MAOS, and pharmacological screening. *Medicinal Chemistry Research*. 2022;31.
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.
8. Nisha, R.; Kumar, P.; Mishra, N.; Maurya, P.; Ahmad, S.; Singh, N.; Saraf, S. A., Appraisal of folate functionalized bosutinib cubosomes against hepatic cancer cells: In- vitro, In-silico, and in-vivo pharmacokinetic study. *Int. J. Pharm.* 2024, 654, 123975. (Impact Factor 5.8)
9. Mishra, N.; Sharma, M.; Mishra, P.; Nisha, R.; Singh, P.; Pal, R. R.; Singh, N.; Singh, S.; Maurya, P.; Pant, S., Transporter targeted-carnitine modified pectin-chitosan nanoparticles for inositol hexaphosphate delivery to the colon: An in silico and in vitro approach. *Int. J. Biol. Macromol.* 2024, 130517. (Impact Factor 8.2)
10. Priyanka Prajapati, Anand Kumar, Shubhada Mangrulkar, DR Chaple, Shubhini A. Saraf, Sapana Kushwaha. Azilsartan Prevents Muscle Loss and Fast to Slow-twitch Muscle Fibre Shift in Natural Ageing Sarcopenic Rats, *Canadian Journal of Physiology and Pharmacology*, Pg. 1-19, 2023. (Canadian Science Publishing, Impact factor: 2.1)
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)
 14. Priyanka Prajapati, Anand Kumar, Areesh Zehra, Sapana Kushwaha. Investigating the Role of Angiotensin Receptor Blockers (ARBs) In High Fat Diet-Induced Sarcopenic Rats Associated Muscle Wasting, *Neuroquantology*, 1303-5150, 20. 488-501, 2022. (Anka, Impact factor: 0.45)
 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)
 16. Priyanka Prajapati, Anand Kumar, Rishabh Chaudhary, Shubhada Mangulkar, Malti Arya, Sapana Kushwaha. "A Comprehensive Review of Essential Aspects of Molecular Pathophysiological Mechanisms with Emerging Interventions for Sarcopenia in Older People". *Current Molecular Pharmacology*, Pg. 1874-4672, 2022. (Bentham Science, Impact factor: 2.7)
 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)
 18. Anand Kumar, Priyanka Prajapati, Pankaj Kumar, Kanchan Kumari. "Effect of Phenylbutyrate on Skeletal Muscle Atrophy induced by Hindlimb Unloading in Wistar Rat". *NeuroQuantology*, 17, 20, Pg. 480-487, 2022. (Anka, Impact factor: 0.45)
 19. Anand Kumar, Priyanka Prajapati, Rohit Kumar, Sapana Kushwaha. "Exploring the potential of beta- 2 agonists, salbutamol against muscle atrophy using computational approaches". *Journal of Pharmaceutical Negative Results*, 5, 13, Pg. 2709-2718, 2022. (EBSCO, Impact factor: 0.56)
 20. Anand Kumar, Chaitany Jayprakash Raorane, Deepak Rawat, Priyanka Prajapati, Ritu Raj, Dinesh Kumar, Seong Cheol Kim, Vinit Raj and Sapana Kushwaha. "Atenolol ameliorates skeletal muscle atrophy and oxidative stress induced by cast immobilization in albino Wistar rat". *Biomedicines*, 11, 1269, 1-15, 2022. (MDPI, Impact factor: 4.7)
 21. Singh, P.; Alka; Maurya, P.; Nisha, R.; Singh, N.; Parashar, P.; Mishra, N.; Pal, R. R.; Saraf, S. A., QbD-assisted development of lipidic nanocapsules for antiestrogenic activity of exemestane in breast cancer. *J. Liposome Res.* 2023, 33 (2), 154-169. (Impact Factor 4.4)
 22. Pal, R. R.; Rajpal, V.; Singh, N.; Singh, S.; Mishra, N.; Singh, P.; Maurya, P.; Alka;

- Saraf, S. A., Downregulation of pro-inflammatory markers IL-6 and TNF- α in rheumatoid arthritis using nano-lipidic carriers of a quinone-based phenolic: an in vitro and in vivo study. *Drug Deliv. Transl. Res.* 2023, 13 (2), 627-641. (Impact Factor 5.4)
23. Mishra, N.; Pal, S.; Sharma, M.; Nisha, R.; Pal, R. R.; Singh, P.; Singh, S.; Maurya, P.; Singh, N.; Mishra, P. R., Crosslinked and PEGylated pectin chitosan nanoparticles for delivery of Phytic acid to colon. *Int. J. Pharm.* 2023, 639, 122937. (Impact Factor 5.8)
 24. Singh, S.; Maurya, P.; Rani, S.; Mishra, N.; Nisha, R.; Singh, P.; Saraf, S. A., Development of doxorubicin hydrochloride-loaded whey protein nanoparticles and its surface modification with N-acetyl cysteine for triple-negative breast cancer. *Drug Deliv. Transl. Res.* 2022, 12 (12), 3047-3062. (Impact Factor 5.4)
 25. Singh, P.; Singh, N.; Mishra, N.; Nisha, R.; Maurya, P.; Pal, R. R.; Singh, S.; Saraf, S. A., Functionalized bosutinib liposomes for target specific delivery in management of estrogen-positive cancer. *Colloids Surf. B Biointerfaces* 2022, 218. (Impact Factor 5.8)
 26. Singh, N.; Maurya, P.; Mishra, N.; Singh, S.; Pal, R. R.; Singh, P.; Parashar, P.; Sonkar, A.; Saraf, S. A., Surface modification of nanoparticles for macrophage targeting. In *Macrophage Targeted Delivery Systems: Basic Concepts and Therapeutic Applications*, Springer International Publishing: 2022; pp 169-187.
 27. Prajapati, P.; Zehra, A.; Maurya, P.; Singh, J.; Kumar, A.; Kushwaha, S., Evaluation of azilsartan transdermal hydrogel in volumetric muscle loss injury in a rat model. *Journal of Pharmaceutical Negative Results* 2022, 2517-2522. (Impact Factor NA)
 28. Parashar, P.; Singh, N.; Maurya, P.; Saraf, S. A., An Assessment of In-vitro and In-vivo Evaluation Methods for Theranostic Nanomaterials. *Curr. Pharm. Des.* 2022, 28 (2), 78-90. (Impact Factor 3.1)
 29. Nisha, R.; Kumar, P.; Kumar, U.; Mishra, N.; Maurya, P.; Singh, P.; Tabassum, H.; Singh, S.; Guleria, A.; Saraf, S. A., Assessment of hyaluronic acid-modified imatinib mesylate cubosomes through CD44 targeted drug delivery in NDEA-induced hepatic carcinoma. *Int. J. Pharm.* 2022, 622. (Impact Factor 5.8)
 30. Maurya, P.; Saklani, R.; Singh, S.; Nisha, R.; Pal, R. R.; Mishra, N.; Singh, P.; Kumar, A.; Chourasia, M. K.; Saraf, S. A., Appraisal of fluoroquinolone-loaded carubinose-linked hybrid nanoparticles for glycotargeting to alveolar macrophages. *Drug Deliv. Transl. Res.* 2022, 12 (7), 1640-1658. (Impact Factor 5.4)
 31. Maurya, P.; Saklani, R.; Singh, S.; Nisha, R.; Mishra, N.; Singh, P.; Pal, R. R.; Kumar, A.; Chourasia, M. K.; Saraf, S. A., Effective uptake of folate-functionalized ethionamide-loaded hybrid system: targeting alveolar macrophages. *Nanomedicine* 2022, 17 (24), 1819- 1831. (Impact Factor 5.5)
 32. Maurya, P.; Pandey, P.; Singh, S.; Sonkar, A.; Singh, S.; Saraf, S. A., Appraisal of Felodipine Nanocrystals for Solubility Enhancement and Pharmacodynamic Parameters on Cadmium Chloride Induced Hypertension in Rats. *Curr. Drug Deliv.* 2022, 19 (5), 625-634. (Impact Factor 2.4)
 33. Pal, R. R.; Kumar, D.; Raj, V.; Rajpal, V.; Maurya, P.; Singh, S.; Mishra, N.; Singh, N.;

- Singh, P.; Tiwari, N., Synthesis of pH-sensitive crosslinked guar gum-g-poly (acrylic acid- co-acrylonitrile) for the delivery of thymoquinone against inflammation. *Int. J. Biol. Macromol.* 2021, 182, 1218-1228. (Impact Factor 8.2)
34. Naik, R. R.; Maurya, P.; Shakya, A. K., Pulmonary Drug Delivery: Role and Application of Lipid Carriers. *Syst. Rev. Pharm.* 2021, 11 (11), 1758-1771. (Impact Factor: NA)
 35. Maurya, P.; Kumar, A.; Singh, S.; Nisha, R.; Pal, R. R.; Chourasia, M. K.; Saraf, S. A., Bio-Analytical Method Development for Estimation of Levofloxacin: Application in Estimation of Drug in Nano-formulations and Pharmacokinetic Studies. *Indian J. Pharm. Educ. Res.* 2021, 55 (3s), S814-S824. (Impact Factor 0.8)
 36. Gul Naz Fatima, Sarvesh K. Paliwal, and Shailendra K. Saraf, Synthesis and Antimicrobial Activity of Some Novel 7-Chloro-4-aminoquinoline Derivatives, *Russian Journal of General Chemistry*, Vol. 91 No. 2, Pg. 285-293, 2021.(Springer, Impact Factor :0.868)
 37. Jaiswal V, Raina D., Development Process for Nanosized Aripiprazole loaded films using a biopolymer from Zea Mays and its performance evaluation. *IJPPR*.21(3), 2021.
 38. Jaiswal V, Malik S, Development & evaluation of Mucoadhesive buccal films of flunarizine. *IJPRA*. 6(4):171-182, 2021.
 39. Jaiswal V, Mandal S, Sagar MK, Kumar S., Formulation and Evaluation of Carica Papaya Nanoemulsion for Treatment of Dengue and Thrombocytopenia. *Plant Archives*.21(1):1345-1354, 2021.
 40. Mishra N, Srivastava V, Hashmi A, Himani A, Deep P, Verma S., Pharmacological screening of ethanolic extract of *Pithecellobium dulce* for antiarthritic activity in Rats. *Indian Journal of Natural Products and Resources* 12(3): 418-424, 2021.
 41. Deepti Tripathi, Pankaj K. Sonar, Poonam Parashar, Sanjiv K. Chaudhary, Savita Upadhyay & Shailendra K. Saraf, Augmented Brain Delivery of Cinnarizine Through Nanostructured Lipid Carriers Loaded in situ Gel: in vitro and Pharmacokinetic Evaluation, *BioNanoScience*, Vol. 11, Pg. 159-171, 2021. (Springer)
 42. Mudita Mishra, Pankaj K. Sonar, Avinash C. Tripathi, Shailendra K. Saraf, Santosh Kumar Verma, Ligand and Structure-Based Hybrid Screening for Anti-Parkinson Agents and their Pharmacological Evaluation, *International Journal of Pharmaceutical Education and Research* (ISSN: 2582-2152), 2 (2), 30-38, 2020.
 43. Gautam, D.; Singh, S.; Maurya, P.; Singh, M.; Kushwaha, S.; Saraf, S. A., Appraisal of Nano-Lipidic Astaxanthin cum Thermoreversible Gel and its Efficacy in Haloperidol Induced Parkinsonism. *Curr. Drug Deliv.* 2021, 18 (10), 1550-1562. (Impact Factor 2.4)
 44. Singh, P.; Mishra, N.; Singh, N.; Nisha, R.; Pal, R. R.; Singh, S.; Maurya, P.; Saraf, S. A., Credible protein targets and curative strategies for COVID-19: a review. *SNcomprehensive clinical medicine* 2020, 2, 2067-2076. (Impact Factor: NA)
 45. Raquibun Nisha, P. K., Umesh Kumar, Nidhi Mishra, Priyanka Maurya, Samipta Singh, Priya Singh, Anupam Guleria, Sudipta Saha,; Saraf, S. A., Fabrication of Imatinib Mesylate-Loaded Lactoferrin-Modified PEGylated Liquid Crystalline Nanoparticles for Mitochondrial-Dependent Apoptosis in Hepatocellular Carcinoma. *Mol. Pharm.* 2020. (Impact Factor 4.9)

46. Singh, N.; Singh, S.; Maurya, P.; Arya, M.; Khan, F.; Dwivedi, D. H.; Saraf, S. A., An updated review on *Physalis peruviana* fruit: Cultivational, nutraceutical and pharmaceutical aspects. *Ind. J. Nat. Prod. Resour.* 2019, 10 (2), 97-110.
47. Agnihotri, J.; Maurya, P.; Singh, S.; Saraf, S. A., Biomimetic approaches for targeted nanomedicine: Current status and future perspectives. *Curr. Drug Ther.* 2019, 14 (1), 3-15. (Impact Factor 0.6).
48. Jovita Kanoujia, A. K. Y., Priyanka Maurya, Samipta Singh, Abhishek Yadav, Poonam Parashar, Cosmoceutical and Therapeutic Potential of Isotretinoin Nanoparticulate Gel in Management of Acne. *International Journal of Science, Technology & Society* 2018, 4 (1-2), 39-4.
49. Nisha, Raquibun, Pranesh Kumar, Umesh Kumar, Nidhi Mishra, Priyanka Maurya, Samipta Singh, Priya Singh, Anupam Guleria, Sudipta Saha, and Shubhini A. Saraf., Fabrication of Imatinib Mesylate-Loaded Lactoferrin-Modified PEGylated Liquid Crystalline Nanoparticles for Mitochondrial-Dependent Apoptosis in Hepatocellular Carcinoma. *Molecular Pharmaceutics* (2020). (Impact factor: 4.939)
50. Singh, Priya, Nidhi Mishra, Neelu Singh, Raquibun Nisha, Ravi Raj Pal, Samipta Singh, Priyanka Maurya, and Shubhini A. Saraf., Credible Protein Targets and Curative Strategies for COVID-19: a Review., *SN Comprehensive Clinical Medicine* : 1-10, (2020).
51. Rajashri R Naik, Priyanka Maurya, Ashok K Shakya, Pulmonary Drug Delivery: Role and Application of Lipid Carriers, *Systematic Reviews in Pharmacy* 11 (11), 1758-1771, Wolter Kluwers MedKnow (2020).
52. Semwal A, Tripathi Shipra*, Dubey V, Owusu-Apenten R, Narain K, Nigam P., Plant based Gold Nanoparticles and Penetration through Blood Brain Barrier, *International Journal of Pharmaceutical and Medicinal Research*, 2020, (Impact Factor- 0.434).
53. Saumya Srivastava, Manoj Kumar Mishra, Nimesh Kumar Dubey, Nanoformulation of Itraconazole and Mometasone for the treatment of topical fungal infection. *British journal of Pharmaceutical and Medical Research (BJPMR)*. Vol: 5, Issue: 4, Page 2429-2437, Jul.-Aug. 2020.
54. Mishra, A., Krishnamurthy, S., Neurorestorative Effects of Sub-chronic administration of Ambroxol in Rodent Model of Parkinson's disease. *Naunyn-Schmiedeberg's Archives of Pharmacology* 393, 429-444. 10.1007/s00210-019-01737-9. (Impact factor: 2.050), 2020.
55. Jaiswal V, Mandal S, Shiva K., A review on marketed *Carica papaya* leaf extract (CPLE) supplements for the treatment of dengue fever with thrombocytopenia and its drawback. *International Journal of Pharmaceutical Research*. 12(3), 2020 Jul.
56. Chetan Rastogi, Nishi Shukla, Shivjee Kashyap, Abhishek Raj, Shravan Kumar Paswan, Pritt Verma, Nanoparticle and its Relevance : Reassessment in Recent trends in Pharmaceutical Technology and Industries, Vol 2, Issue 1, 2020.
57. Syed AK, Hashmi A, Srivastava P. Aptamers: Trending Prospective in Therapeutics. *International Journal of Research and Development in Pharmacy & Life Sciences*. 2020; 8(5): 1-9.

58. Hashmi A, Srivastava V, Deep P, Awasthi H, Verma S., Recent Advancement in the Treatment and Diagnosis of Epilepsy. *International Journal of Pharmaceutical Sciences Review and Research*. 2020; 60(2): 76-83.
59. Uma Devi, Manjari Singh, Subhadeep Roy, Avinash C. Tripathi, Pushpraj S. Gupta, Shailendra K. Saraf, Md. Nazam Ansari, Abdulaziz S. Saeedan, Gaurav Kaithwas, PHD-2 activation: a novel strategy to control HIF-1 α and mitochondrial stress to modulate mammary gland pathophysiology in ER+ subtype, *Naunyn-Schmiedeberg's Archives of Pharmacology (ISSN: 0028-1298)*, 392 (10), 1239-1256, 2019. (Springer, Impact Factor-2.050)
60. Pooja Chawla, Sourav Kalra, Raj Kumar, Ranjit Singh, Shailendra K. Saraf Novel 2-(Substituted Phenyl Imino)-5-Benzylidene-4-Thiazolidinones As Possible Non-Ulcerogenic Tri-Action Drug Candidates: Synthesis, Characterization, Biological Evaluation and Docking Studies, *Medicinal Chemistry Research (ISSN: 1054-2523)*, 28 (3), 340-359, 2019. (Springer, Impact Factor-1.965)
61. Namrata Singh, Samipta Singh, Priyanka Maurya, Malti Arya, Farheen Khan, Deepa H Dwivedi and Shubhini A Saraf*, An updated review on *Physalis peruviana* fruit: Cultivational, Nutraceutical and pharmaceutical aspects, *Indian Journal of Natural Products and Resources (IJNPR)*, 2019, 10(2) 97-110 .
62. Eti Mehrotra, Jyotsna Vishwakarma, Avinash C. Tripathi, Pankaj K. Sonar, Shailendra K. Saraf, Schizonticidal Antimalarial Sesquiterpene Lactones from *Magnolia champaca* (L.) Baill. ex Pierre: Microwave Assisted Extraction, HPTLC Fingerprinting and Computational Studies, *Natural Product Research (ISSN: 1478-6419)*, 33 (4), 568-572, 2019. (Taylor & Francis, Impact Factor-2.861)
63. Ojha Asmita, Jangra Meenu, Saraf Shailendra Kumar, Neuroprotective Activity of *Santalum Album* Seeds in Sepsis Encephalopathy, *Advances in Pharmaceutical Research (ISSN:)*, Article ID 9636944, 1-12, 2019.
64. Dubey V, Owusu-Apenten R, Tripathi Shipra*, Singh UP, Semwal A, Prospected epigenetic moderators from natural sources and drug of class NSAIDS as effective treatment options to prostate cancer, *Journal of Acute Disease*, 2019, (Impact Factor- 0.400)
65. Minakshi Joshi, Shradha Bisht, Mamta F. Singh, A review: mechanistic insights into the effect of thyroid disorder on estrogen level and bone mineral density, *International Journal of Pharmacy and Pharmaceutical Sciences*.2019;11(10):9-17.(Impact factor 5.016)
66. Padhi Swarupanjali, Mazumder Rupa, Bisht Shradha, Development and Application of Lipid Nanotechnology on Infectious Disease of CNS-Current Scenario, *Indian Journal of Pharmaceutical Education and Research*, 53(3), 355-365, 2019. (SCI) Doi:10.5530/ijper.53.3.69.(Impact factor 0.686)
67. Agnihotri, Jaya; Maurya, Priyanka; Singh, Shobhna; Saraf, Shubhini A. Biomimetic Approaches for Targeted Nanomedicine: Current status and future perspectives, *Current Drug Therapy* 2019, 14, 3-15.
68. Mishra, A., Krishnamurthy, S., 2019. Rebamipide Mitigates Impairments in Mitochondrial Function and Bioenergetics with α -Synuclein Pathology in 6-OHDA-Induced

- Hemiparkinson's Model in Rats. *Neurotoxicity Research* 35(3), 542-562. 10.1007/s12640-018-9983-2. (Impact factor: 3.911)
69. Azmi L., Shukla I., Goutam A., Rao C.V., Jawaid T., Awaad A.S., Alqasoumi S.I., AlKhamees O.A. & Kamal M. (2019). Oxidative free radicals scavenging activity (in vitro and in vivo assay) of standardized fractions from the seeds of *Argyrea speciosa* (Ghav-patta) a traditional Indian medicine." *Saudi Pharmaceutical Journal* .(Impact Factor :4.330)
 70. Azmi, L., Shukla, I., Goutam, A., Rao, C. V., Jawaid, T., Kamal, M., ... & AlKhamees, O.A. (2019). In vitro wound healing activity of 1-hydroxy-5, 7-dimethoxy-2-naphthalene-carboxaldehyde (HDNC) and other isolates of *Aegle marmelos* L.: Enhances keratinocytes motility via Wnt/ β -catenin and RAS-ERK pathways. *Saudi Pharmaceutical Journal*. 27(4):532-539. (Impact Factor :4.330)
 71. Azmi, L., Shukla, I., Gupta, S. S., Yadav, N. P., Kant, P., & Rao, C. V. (2019). In Vitro and In Vivo Study of *Argyrea speciosa* on Chronic Gastric Ulceration and Metabolic Studies. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 89(3):1039-1045.
 72. Shukla, I., Azmi, L., Gupta, S. S., Upreti, D. K., & Rao, C. V. (2019). Amelioration of anti-hepatotoxic effect by *Lichen rangiferinus* against alcohol induced liver damage in rats. *Journal of Ayurveda and integrative medicine*. 10(3):171-177.
 73. Jaiswal V, Madhav NVS. Formulation approach for mucoadhesive bio-flexy strips of nanosized bromocriptine for oro-trans labial drug delivery platform. *EJPMR*. 2019; 6(8):312-319.
 74. Jaiswal V, Madhav NVS. Formulation approach for bromocriptine delivery in nano form via oro-trans labio mucosal route and its performance evaluation. *IJLSR*. 2019; 5(5):74-81.
 75. Shailendra K. Saraf, M. S. M. Rawat, Avinash C. Tripathi, Synthesis and Development of Some Quinolone/Fluoroquinolone- Latentiated Drug Polypeptide Systems and Their Antimicrobial Evaluation, *International Journal of Chem. Tech. Research* (ISSN: 0974- 4290), 11 (10), 298-307, 2018.
 76. Avinash C. Tripathi, Savita Upadhyay, Sarvesh Paliwal, Shailendra K. Saraf, Derivatives of 4,5-dihydro (1H) pyrazoles as possible MAO-A inhibitors in depression and anxiety disorders: synthesis, biological evaluation and molecular modeling studies, *Medicinal Chemistry Research* (ISSN: 1054-2523), 27 (5), 1485-1503, 2018. (Springer, Impact Factor- 1.965)
 77. Avinash C. Tripathi, Savita Upadhyay, Sarvesh Paliwal, Shailendra K. Saraf, Privileged scaffolds as MAO inhibitors: Retrospects and prospects, *European Journal of Medicinal Chemistry* (ISSN: 0223-5234), 145, 445-497, 2018. (Elsevier, Impact Factor-6.514)
 78. Mahendra Singh, Jovita Kanoujia, Poonam Parashar, Malti Arya, Chandra B. Tripathi, V. R. Sinha, Shailendra K. Saraf, Shubhini A. Saraf, Assessment of improved buccal permeation and bioavailability of felodipine microemulsion-based cross-linked polycarbophil gel, *Drug Delivery and Translational Research* (ISSN: 2190-393X), 8, 591-601, 2018. (Springer, Impact Factor- 4.617)

79. Avinash C. Tripathi, Savita Upadhyay, Sarvesh Paliwal, Shailendra K. Saraf, N1-Benzenesulfonyl-2-Pyrazoline Hybrids in Neurological Disorders: Syntheses, Biological Screening And Computational Studies, EXCLI Journal (ISSN: 1611-2156), 17, 126-148, 2018. (Leibniz Research, Impact Factor-4.068)
80. Mahendra Singh, Jovita Kanoujia, Poonam Parashar, Malti Arya, Chandra B. Tripathi, V. R. Sinha, Shailendra K. Saraf, Shubhini A. Saraf, Augmented bioavailability of felodipine through an α -linolenic acid-based microemulsion, Drug Delivery and Translational Research (ISSN: 2190-393X), 8, 204-225, 2018. (Springer, Impact Factor- 4.617)
81. Shaweta Sharma, Akhil Sharma, Udayveer Singh Sara, Shekhar Singh Chitosan Loaded Ketorolac Tromethamine Nanoparticles for Improved Ocular Delivery in Eye Inflammation Indian Journal of Pharmaceutical Education and Research | Vol 52 | Issue 4s [Suppl 2] | Oct-Dec,2018, S202-S209 (Impact Factor: 0.686)
82. Shekhar Singh, Akhil sharma, K.K.Jha, Mohd Shueb Gas Chromatographic-Mass Spectrometric (GC-MS) Analysis of Marigold (*Tagetes erecta*L.) flower oil Asian Journal of Biochemical and Pharmaceutical Research, Special issue(2018),48-51
83. Vaishali Sharma, Shradha Bisht, Mamta F. Singh., Hepatoprotective and antidyslipidemic effect of *Ferula asafoetida* in CCl₄ induced hepatotoxicity and CCl₄ associated dyslipidemia in rats. Asian Journal of Pharmacy and Pharmacology 2018, Vol: 4(1); 61-65.
84. Mamta F. Singh, Shivani Bisht, Vinod Singh, Shradha Bisht. "Effect of Pyridoxine ontotoxicity of Aminoguanidine and its Neuroprotective effect in Aluminum Chloride induced Dementia in rats" Asian Journal of Pharmacy and Pharmacology 2018; 4(2): 184-191.
85. Jovita Kanoujia, Alok Kumar Yadav, Priyanka Maurya, Samipta Singh, Abhishek Yadav, Poonam Parashar, "Cosmoceutical and Therapeutic Potential of Isotretinoin Nanoparticulate Gel in Management of Acne" in The International Journal of Science, Technology and Society Volume 4, Issue 1,2018, 29-33.
86. Deepa Kumari Gupta, Devesh Kumar, Prince Kumar Pal, Dev Nath Singh Gautam, Narendra Kumar Singh. Detoxification and estimation of Atropine and Hyoscine from *Datura* seeds by HPLC analysis. Asian Journal of Pharmacy and Pharmacology 2018; 4(4): 467-472
87. Deepa Kumari Gupta, Devesh Kumar, K.R.C Reddy, Devnath Singh Gautam, M.K. Nandi. Pharmaceutical and Analytical studies of Kanadi Curna and Standardization of its Tooth gel. International Journal of Green Pharmacy. Vol 12. Special issue 2018-S71
88. Dr.Shiva Arun, Yadvendra Singh, Prabha Bhartiya, Kshama Srivastava, Shahid Suhail Narvi and Pradip kr. Dutta "Chitosan Nano-composite containing Undecatungstosillicate via cobalt Substitution: Characterization and Evaluation of their Biological Activity". Journal of Polymer Materials, an International Journal (2018)
89. Pal Rishi, Chaudhary Manju, Tiwari PC, Pant KK. Pharmacological and biochemical studies on protective effects of mangiferin and its interaction with nitric oxide (NO) modulators in adjuvant- induced changes in arthritic parameters, inflammatory, and oxidative biomarkers in rats. Inflammopharmacology, 2018 June. (Impact Factor:4.473)
90. Pal Rishi Tiwari PC. Transcription Factor as Therapeutic Targets for Neurodegenerative

- Disorders: An Update. Modern Approaches in Drug Designing. April 2018. (Impact factor:0.828)
91. Mishra, A., Chandravanshi, L.P., Trigun, S.K., Krishnamurthy, S., 2018. Ambroxol modulates 6- Hydroxydopamine-induced temporal reduction in Glucocerebrosidase (GCase) enzymatic activity and Parkinson's disease symptoms. *Biochemical Pharmacology* 155, 479-493. 10.1016/j.bcp.2018.07.028. (Impact Factor: 5.858)
 92. Chaturvedi, S., Azmi, L., Shukla, I., Naseem, Z., Rao, C. V., & Agarwal, N. K. (2018). Gastroprotective effect of formononetin against ethanol-induced gastric ulceration in rats via augmentation of cytoprotective markers and curtailing apoptotic gene expression. *Pharmacognosy Magazine*. 14(59):605 (Impact Factor:1.085)
 93. Chaturvedi, S., Malik, M. Y., Azmi, L., Shukla, I., Naseem, Z., Rao, C., & Agarwal, N. K.(2018). Formononetin and biochanin A protects against ritonavir induced hepatotoxicity via modulation of NfkB/pAkt signaling molecules. *Life sciences*. 213:174-182.(Impact Factor: 5.037)
 94. Salehi,B.,Mishra, A.P.,Shukla,I., Sharifi-Rad, M., Contreras, M. D. M., Segura-Carretero, A., Fathi H., Nasrabadi N.N., Kobarfard F., & Sharifi-Rad, J. (2018). Thymol, thyme, and other plant sources: Health and potential uses. *Phytotherapy Research*. 32(9): 1688-1706. (Impact Factor: 5.878)
 95. Shukla, I., Azmi, L., Gautam A., Shukla S.K. & Rao C.V. (2018). Lichens are the next promising candidates for medicinally active compounds. *Int J. Phytopharmacy*. 8(4): 31-38.
 96. Azmi, L., Shukla, I., Gupta, S. S., Chaudhary, A., Kant, P., Yadav, N. P., & Rao, C. V.(2018). Evaluation of chemoprotective effect of quercetin from *Argyrea speciosa* against N-methyl-N-Nitro-N-nitrosoguanidine and NaCl-induced gastric carcinomas in Wistar Rats. *Pharmacognosy Journal*. 10(2).
 97. Madhav NVS, Ojha A, Jaiswal V. A smart approach for delivery of Aripiprazole via oro-soft palatal mucosal route for improved therapeutic efficacy. *BJPS*. 2018;54(3): 1-9.(ImpactFactor-1.321)
 98. Savita Upadhyay, Avinash C. Tripathi, Sarvesh Paliwal and Shailendra K. Saraf, Facile One-Pot Synthetic Methodologies for Nitrogen Containing Heterocyclic Derivatives Of 3,5-Disubstituted 4,5-Dihydro-1h-Pyrazole, Their Biological Evaluation and Molecular Docking Studies, *Pharmaceutical Chemistry Journal* (ISSN: 1573-9031), 51 (7), 536-547, 2017. (Springer, Impact Factor-0.837)
 99. Savita Upadhyay, Avinash C. Tripathi, Sarvesh Paliwal, Shailendra K. Saraf, 2-Pyrazoline Derivatives in Neuropharmacology: Synthesis, ADME Prediction, Molecular Docking and In-Vivo Biological Evaluation, *EXCLI Journal* (ISSN: 1611-2156), 16, 628-649, 2017. (Leibniz Research, Impact Factor-4.068)
 100. Amit Kumar Keshari, Aseem Tewari, Shweta S. Verma, Shailendra K. Saraf, Novel Mannich-bases as potential anticonvulsants: syntheses, characterization and biological evaluation, *Central Nervous System Agents in Medicinal Chemistry* (ISSN:1871-52492017), 17 (3), 1-10, 2017. (Bentham)

101. Ajay Singh Raghuwanshi, Savita Upadhyay, Shubhini A. Saraf, Shailendra K. Saraf, Simultaneous Determination of Antidiabetic and Antihypertensive Drugs In Pharmaceutical Formulations By RP-LC, *International Journal of Chem. Tech. Research* (ISSN: 0974-0974-4304), 10 (10), 287-297, 2017.
102. Ashok Kumar Singh, Avinash C. Tripathi, Aseem Tewari, Viney Chawla, Shailendra K. Saraf, Design and microwave facilitated green synthesis of 2-[4-(3-carboxymethyl, methoxy cabonylmethyl-2,4-dioxo and 4-oxo-2-thioxo-thiazolidin-5-ylidenemrthyl)-phenoxy]-2 an3-methyl propionic acid ethyl ester derivatives: A novel promising structural class of antidyslipidemic agents, *Medicinal Chemistry Research* (ISSN: 1054-2523), 26(7), 1535-1549, 2017. (Springer, Impact Factor-1.965)
103. Manish Kumar, Mona Sharma, Vivek Govila, Vineeta Mittal, Shailendra K. Saraf, A Comparative Evaluation Of Tetracycline Containing Microspheres And Commercially Available Tetracycline Fibers To Evaluate Their Efficacy In Periodontal Pocket Therapy - A Clinical And Microbiological Study, *Global Journal For Research Analysis* (ISSN: 2277-8160), 6 (8), 2017.
104. Jyoti Singh, Avinash C. Tripathi, Shailendra K. Saraf, Computer Aided Drug Repositioning and Biological Evaluation against Parkinson's Disease, *International Journal of Scientific and Innovative Research* (ISSN: 2347-2189), 5(1), 49-51, 2017.
105. Shailendra K. Saraf, M. S. M. Rawat, Avinash C. Tripathi, Synthesis and Development of Some Biodegradable Polypeptides as Antimicrobial Agents, *International Journal of Chem. Tech. Research* (ISSN: 0974-4290), 10 (2), 1021-1030, 2017.
106. Akhil Sharma, Shaweta Sharma, Keshari Kishore Jha, Shekhar Singh Formulation, Optimization and Evaluation of Mouth dissolving Tablets of Piroxicam using Hydrotropic Solubilization Technique. *International Research Journal Of Pharmacy*, Volume 8, Issue 12, Dec 2017,91-98
107. Shekhar Singh, Dr. Anil Middha, Dr. Randhir Singh Dahiya Formulation and Evaluation of Ketorolac Tromethamine microparticles for Ocular delivery. *International Journal of Pharma Professional Research*, July-2017-Volume7-Issue-3,1366-1375
108. Rajnish Kumar, Shradha Bisht, Mamta F. Singh. Effect of Sesamum indicum oil in thyroidectomy- induced erectile dysfunction in rats. *Journal of Endocrinology and Reproduction*.2017/21533.
109. Kartika Pidaparathi and Divya Soares, Comparison of nanoemulsion and aqueous Micelle systems of Paliperidone forintranasal delivery in American Association of Pharmaceutical Scientists, *Pharm-Sci tech journal*. (Impact factor- 2.451) -July, 2017
110. Tiwari PC, Pal Rishi. The potential role of neuroinflammation and transcription factors in Parkinson disease. *Dialogues in Clinical Neuroscience*. 2017 June; 19 (1): 71-80. (Impact Factor: 5.986)
111. Kumar, S., Mishra, A., Krishnamurthy, S., 2017. Purinergic Antagonism Prevents Mitochondrial Dysfunction and Behavioral Deficits Associated with Dopaminergic Toxicity Induced by 6-OHDA in Rats. *Neurochemical Research* 42(12), 3414-3430. 10.1007/s11064-

- 017-2383-9. (Impact factor: 3.996)
112. Madhav NVS, Jaiswal V, Ojha A. Development and evaluation of nanosized aripiprazole-loaded bioflexy films using a biopolymer from *Lagenaria siceraria* for brain delivery through orosoft palatal mucosa. *Egyptian Pharmaceutical Journal* 2017 Jan 1;16(1):62.
 113. Azmi L., Shukla I., Kant P. & Rao C.V. (2017) Traditional Medicine: Blessing of Nature for Human Being. *Bioequivalence & Bioavailability International Journal*, Medwin Publication. 1(2): 000112.
 114. Azmi, L., Gupta, S. S., Shukla, I., Kant, P., Sidhu, O. P., & Rao, C. V. (2017). Effect of squalene in surgically induced gastro-oesophageal reflux disease on rats. *Research journal of Pharmacology and Pharmacodynamics*. 9(1):1.
 115. Azmi, L., Shukla, I., Gupta, S. S., Paswan, S. K., Kant, P., & Rao, C. V. (2017). HDNC (1-hydroxy-5, 7-dimethoxy-2 naphthalene-carboxaldehyde) for rapid recovery of gastric damage in incision wound model of rats. *Wound medicine*. 18, 47-51.
 116. Kirti Diwakar, Pankaj K. Sonar, Mudita Mishra, Avinash C. Tripathi, Shailendra K. Saraf, Facile synthesis, molecular docking and toxicity studies of 3-arylamino-4-aryl-5-oxo- Δ^2 -1,2,4-thiadiazoline analogs as GABAA receptor agonists, *Medicinal Chemistry Research* (ISSN: 1054-2523), 25(11), 2631-2642, 2016. (Springer, Impact Factor-1.965)
 117. Pooja Singh, Mahendra Singh, Jovita Kanoujia, Malti Arya, Shailendra K. Saraf, Shubhini A. Saraf, Process optimization and photostability of silymarin nanostructured lipid carriers: effect on UV irradiated rat skin and SK-MEL2 cell line, *Drug Delivery and Translational Research* (ISSN: 2190-393X); 6(5), 597-609, 2016. (Springer, Impact Factor- 4.617)
 118. Jaswinder Kaur Virk, Sanjiv Kumar, Ranjit Singh, Avinash C. Tripathi, Shailendra K. Saraf, Vikas Gupta, Parveen Bansal, Isolation and characterization of Quinine from *Polygonatum verticillatum*: A new marker approach to identify substitution and adulteration, *Journal of Advanced Pharmaceutical Technology & Research* (ISSN: 2231-4040), 7(4), 153-158, 2016. (Wolters-Kluwer)
 119. Avinash C. Tripathi, Ravindranath Rathore, Pankaj K. Sonar and Shailendra K. Saraf, Structural Insights into the Molecular Design of HER2 Inhibitors, *Open Pharmaceutical Sciences Journal* (ISSN: 1874-8449), 3, 164-181, 2016. (Bentham)
 120. Hemlata, Savita Upadhyay, Shailendra K. Saraf, Development and Validation of Stability Indicating RP-HPLC Method for Simultaneous Estimation of NSAIDS-Antiulcer Agent Combination, *International Journal of Pharm. Tech. Research* (ISSN: 0974-4304), 9 (8), 288-300, 2016.
 121. Sundeep Pandey, Pankaj K. Sonar, Shailendra K. Saraf, Synthesis and Characterization of Novel Conjugates of 4-[3-(aryl/heteroaryl)-3-oxo-propenyl]-benzaldehyde with Thiazole and Thiazolidinones as Possible Voltage-Gated Sodium Channel Blockers, *Medicinal Chemistry Research* (ISSN: 1054-2523), 25 (7), 1484-1496, 2016. (Springer, Impact Factor-1.965)
 122. Rashmi Shukla, Ajeet Pal Singh, Pankaj K. Sonar, Mudita Mishra, Shailendra K. Saraf, Schiff Bases of Benzothiazol-2-ylamine and Thiazolo [5, 4-b] pyridin-2-ylamine as Anticonvulsants: Synthesis, Characterization and Toxicity Profiling, *Central Nervous System*

- Agents in Medicinal Chemistry (ISSN:1871-5249),16(3), 240-248, 2016. (Bentham)
123. Avinash C. Tripathi, Savita Upadhyay, Sarvesh Paliwal, Shailendra K. Saraf, An Expeditious One-Pot Microwave Facilitated Versus Conventional Syntheses, In-vivo Biological Screening and Molecular Docking Studies of Some 3,5-Disubstituted-4,5-Dihydro-(1H)- Pyrazole Derivatives, Medicinal Chemistry Research (ISSN: 1054-2523), 25(3), 390-406, 2016. (Springer, Impact Factor-1.965)
 124. Amit Gupta, Rajendra Singh, Pankaj K. Sonar, Shailendra K. Saraf, Novel 4-Thiazolidinone Derivatives as Anti-infective Agents: Synthesis, Characterization and Antimicrobial Evaluation, Biochemistry Research International (Article ID 8086762; ISSN: 2090-2247) (Available Online), 2016. (Hindawi)
 125. Vandana, Avinash C. Tripathi, Shailendra K. Saraf, Bioactive nonsterol triterpenoid from *Streblus asper* Lour: Microwave assisted extraction, HPTLC profiling, computational studies and neuropharmacological evaluations in BALB/c mice, Pharmaceutical Biology, 54(11),2454-2464, 2016. (Taylor & Francis, Impact Factor-3.503)
 126. Pankaj K. Sonar, Ranjit Singh, Shailendra K. Saraf, Phytochemical, Chromatographic and Spectroscopic Investigation of *Carum copticum* seeds and their potential as Immunomodulatory Agents, Pharmaceutical Biology (ISSN:1388-0209), 54 (3), 494-502, 2016. (Taylor & Francis, Impact Factor-3.503)
 127. Shekhar Singh, Dr. Anil Middha, Dr. Randhir Singh Dahiya Formulation and evaluation of Acyclovir microparticles for Ocular Delivery. Indian Journal of Pharmaceutical and Biological Research, 2016-Volume-4-Issue-2,41-51
 128. Vikas kumar, Rasvendra Rajput, Shekhar Singh The use of In-situ hydrogel in ocular drug delivery International Journal Of Pharma Professional's Research, 2016; 7(7):1319-1325
 129. Abhijeet De, Mamta F. Singh, Vinod Singh, Veerma Ram, Shradha Bisht, Treatment Effect of L-Norvaline on the Sexual Performance of Male Rats with Streptozotocin Induced Diabetes, European Journal of Pharmacology. 2016;771-247-54. .(Impact factor 4.432)
 130. Preeti Verma, Dev Bukhsh Singh, Ajay Kumar Gupta. Designing and Virtual Screening of Potential Inhibitors of PFHGPR1 against Malaria. Journal of Chemical and Pharmaceutical Research, 2016, 8(5):635-643.
 131. Pal Rishi, Tiwari PC, Nath Rajendra, Pant KK. Role of neuro-inflammation and latent transcription factors in pathogenesis of Parkinson's disease. Neurol Res. 2016 Dec; 38(12):1111-1122.(Impact Factor:2.448)
 132. Pal Rishi, Chaudhary Manju, Tiwari PC, Babu Suresh, Pant KK. Pharmacological studies on the anti-inflammatory and immunomodulatory role of pentoxifylline and its interaction with nitric oxide (NO) in experimental arthritis in rats. Inflammopharmacology. 2016 Sept. 24: 221-233. (Inflammopharmacology Impact Factor: 4.473)
 133. Mishra, A., Keshari, A.K., Singh, A.K., Maity, S., Nandy, B., Saha, S., 2016. Oxidative stress-based hepatotoxicity of duloxetine in wistar rats. International Journal of Pharmacy and Pharmaceutical Sciences 8 (11), 28-32. 10.22159/ijpps.2016v8i11.8857. (Impact factor: 5.016)

134. Debjit Bhowmik, Amrendra Singh , Praveen Khirwadkar, Nishi Shukla, Vikas Kumar Chaudhari, Formulation and Evaluation of Methyl Phenidate Sustained Release Tablets, Research Journal in Pharmaceutical Dosage Forms and Technology Vol 8 issue 3, Jul-September, 2016.
135. Azmi L., Shukla I., Gupta S.S., Parashar R., Kant P., Rao C.V. (2016). Plant Derived Drugs and Use in Cancer Treatment. Elixir Applied Botany. 92.39047-39050
136. Azmi L., Rastogi C., Shukla I., Verma P., Kant P. & Rao C.V. (2016) Review On Uraria Picta A Traditionally Medicinal Plant Of India: An Herbal Benefaction. Elixir Applied Botany.92.39047-39050
137. Azmi, L., Gupta, S. S., Shukla, I., Kant, P., Upreti, D. K., & Rao, C. V. (2016). Gastro protective effects of usnea longissima metabolites on probiotic Lactobacillus casei. Int. J. Pharmacogn. 3, 140-148.
138. Gopal Ji Baranwal, Savita Upadhyay, Avinash C. Tripathi, Shailendra K. Saraf, Stability Indicating RP-HPLC Method for Simultaneous Estimation of Antidiabetic and Antihypertensive Drugs, Rasayan Journal of Chemistry (ISSN: 0974-1496), 8 (3), 287-297, 2015.
139. Avinash C. Tripathi, Shubhini A. Saraf, Shailendra K. Saraf, Carbon Nanotropes: The Contemporary Paradigm in Drug Delivery, Materials (ISSN:1996-1994), 8(6), 3068-3100, 2015. (MDPI, Impact Factor-3.057)
140. Gupta V., Azmi L., Gupta S.S., Verma P., Paswan S., Shukla I., Rastogi C., Khan M.M., Kumar V., Rao C.V. (2015). Pisonia aculeate a herbal drug: godsend for liver dysfunction. World Journal of Pharmacy and Pharmaceutical Sciences. 4(7): 285-295.
141. Savita Upadhyay, Avinash C. Tripathi, Sarvesh Paliwal and Shailendra K. Saraf , Facile One-Pot Synthetic Methodologies For Nitrogen Containing Heterocyclic Derivatives Of 3,5-Disubstituted 4,5-Dihydro-1h-Pyrazole, Their Biological Evaluation And Molecular Docking Studies, Pharmaceutical Chemistry Journal (Paper No.-3018; ISSN: 1573-9031), 2015.(Springer, Impact Factor-0.837)
142. Sanjay Tiwari, Harinath Dwivedi, Koshy M. Kymonil, Shubhini A. Saraf. Urate Crystal Degradation For Treatment Of Gout: A Nanoparticulate Combination Therapy Approach. Drug Delivery and Translational Research, Vol 5,213-230.2015.(Impact Factor: 4.617)
143. Pankaj K. Sonar, Ranjit Singh, Shailendra K. Saraf, Phytochemical, Chromatographic and Spectroscopic Investigation of Carum copticum seeds and their potential as Immunomodulatory Agents. Online 1 June 2015. Pharmaceutical Biology. (Informa Healthcare, ISSN: 1388-0209 (print), 1744-5116 (electronic). (Impact Factor: 3.503)
144. Prateek Kumar Mishra, Savita Upadhyay, Avinash C. Tripathi, Shailendra K. Saraf, Stability Indicating HPLC-UV Method for Simultaneous Estimation of Pantoprazole, Domperidone and Drotaverine, International Journal of Pharm. Tech. Research (ISSN: 0974-4304), 8 (5), 912-923, 2015.
145. Neha Singh, Avinash C. Tripathi, Aseem Tewari, Ravi Kumar, Shailendra K. Saraf, Ulcerogenicity devoid novel non steroidal anti-inflammatory agents (NSAIDS): syntheses,

- computational studies and activity of 5-arylidene-2-imino-4-thiazolidinones, *Medicinal Chemistry Research* (ISSN: 1054-2523), 24 (5), 1927-1941, 2015. (Springer, Impact Factor-1.965)
146. Bidhyut Kumar Dubey, Kiran Singh, Avinash C. Tripathi, Mary Koshy and Shailendra K. Saraf, Phytochemical investigation and anti-spermatogenic potential of *Artocarpus lakoocha* fruits, *The Natural Products Journal*, (ISSN: 2210-3155), 5 (1), 50-56, 2015. (Bentham)
 147. Shekhar Singh, Shaweta Sharma Pandemic disease Swine Flu: A review *International Journal Of Pharma Professional's Research*, 2015; 6(1):1207-1211
 148. Mamta F. Singh, Abhijeet De, Vinod Singh, Veerma Ram, Shradha Bisht, Pathophysiological basis of erectile dysfunction in diabetes mellitus: A review, *International Journal of Innovative Pharmaceutical Sciences and Research*. 2015, 3(6):663-687.
 149. Deepa Kumari Gupta, Santosh Kumar Maurya and Ankit Seth. Effect of Bhavana with Amla Juice on In-Vitro Antidiabetic and Antioxidant Activity of Amalaki (*Emblca Officinalis Gaertn.*). *Indian Journal of Agriculture and Allied Sciences*. 2015; 1(4): 151-56.
 150. Madhav NVS, Jaiswal V. Formulation and evaluation of bio-flexy strips of aripiprazole for brain targeting through soft palatal mucosa. Conference proceedings of the IISF-Young Scientists' Meet-2015, DST.
 151. Nautiyal A, Madhav NVS, Bhargava S, Ojha A, Chadra H, Sharma RK, Varshney S, Jaiswal V, Singh K, Raina D. A Questionnaire Survey for Prevalence of Medication Use in Dehradun District of Uttarakhand, India, *British Journal of Pharmaceutical Research*. 2015;8(2): 1-6.
 152. Pal Rishi, Chaudhary Manju, Tiwari PC, Babu Suresh, Pant KK. Protective role of theophylline and their interactions with nitric oxide (NO) in adjuvant-induced rheumatoid arthritis in rats. 2015 Dec; 29(2):854-62.
 153. Mishra, A., Roy, S., Maity, S., Yadav, R.K., Keshari, A.K., Saha, S., 2015. Antiproliferative effect of flower extracts of *spilanthes paniculata* on hepatic carcinoma cells. *International Journal of Pharmacy and Pharmaceutical Sciences* 7 (1), 130-134. innovareacademics.in/journals/index.php/ijpps/article/view/3512. (Impact factor: 1.02)
 154. Monica Gupta, Jovita Kanoujia, Sanjay Tiwari, A. Shubhini Saraf. Development Of Peroxicam Loaded Nanostructured Lipid Carrier For Spondylitis Treatment. *Journal of Computational and Theoretical Nanoscience*, Vol 20, 1066-1071.2014 (Impact Factor: 1.03)
 155. Khan S, Sonar P K, Saraf S A, Saraf S K, Javed S A, Immunomodulatory Activity of Fruit Rinds of *Garcinia indica* (Family Guttiferae) on Swiss Albino Mouse Model, *International Journal of Pharmacognosy and Phytochemical Research* (ISSN: 0975-4873), 6(4), 774-777, 2014.
 156. Neha Gulati, Monika Gupta, Jovita Kanoujia, Koshy Mamman, Shailendra K. Saraf, Shubhini A. Saraf, Green Nanoparticle Strategies: Utilizing Excipients Sourced from Nature, *Journal of Nanopharmaceutics and Drug Delivery*, (ISSN: 2167-9312), 2 (3), 169-191, 2014. (Springer)
 157. Purnima Tripathi, Avinash C. Tripathi, Viney Chawla, Shailendra K. Saraf, Syntheses, characterization and evaluation of novel 2,6-diarylpiperidin-4-ones as potential analgesic-

- antipyretic agents, *European Journal of Medicinal Chemistry*, (ISSN: 0223-5234), 82(7), 439-448, 2014. (Elsevier, Impact Factor-6.514)
158. Kuljeet Kaur, Rajiv Gupta, Shubhini A. Saraf, Shailendra K. Saraf, Zinc: The Metal of Life, *Comprehensive Reviews in Food Science and Food Safety*, (ISSN: 1541-4337), 13(4), 358-376, 2014. (Wiley, Impact Factor-9.912)
 159. Shashi Kant Sahu, Avinash C. Tripathi, Mary Koshy, Shailendra K. Saraf, Novel 3-benzyl-2,6-diarylpiperidin-4-one derivatives: Syntheses, characterization and antimicrobial profile, *Medicinal Chemistry Research* (ISSN: 1054-2523), 23(1), 67-75, 2014. (Springer, Impact Factor-1.965)
 160. Ashok Kumar Singh, Viney Chawla, Shailendra K. Saraf, Amit Kumar Keshari, Different Chemical, Biological and Molecular Approaches for Anti-Hyperlipidemic Therapy with Special Emphasis on Anti-Hyperlipidemic Agents of Natural Origin, *Journal of Critical Reviews*, (ISSN:), 1(1), 1-9, 2014.
 161. Avinash C. Tripathi, Shiv Ji Gupta, Gul Naz Fatima, Pankaj K. Sonar, Amit Verma, Shailendra K. Saraf, 4-Thiazolidinones: The advances continue..., *European Journal of Medicinal Chemistry*, (ISSN: 0223-5234), 72(1), 52-77, 2014. (Elsevier, Impact Factor-6.514)
 162. Kiran Singh, Bidhyut Kumar Dubey, Avinash C. Tripathi, Ajeet Pal Singh and Shailendra K. Saraf, Natural Male Contraceptive: Phytochemical Investigation and Anti-spermatogenic Activity of *Pistia stratiotes* Linn., *Natural Product Research*, (ISSN: 1478-6419), 28(16), 1313-1317, 2014. (Taylor & Francis, Impact Factor-2.861)
 163. Shekhar Singh, Shaweta Sharma, Achhrish Goel Ebola virus disease (EVD) or Ebola Hemorrhagic fever: A review *International Journal of Pharma Professional's Research*, 2014; 5(4):1163-1169
 164. Sachin Kumar, Prof. K. K. Jha, Anuj Mittal, Shekhar Singh Benzimidazole: An Overview *International Journal Of Pharma Professional's Research*, 2014; 5(3):1090-1096
 165. Shekhar Singh, Shaweta sharma Nanoemulsion: A Promising, Stable and Effective Drug delivery system *International journal of Biopharmaceutical and Toxicological Research*, 2014; 4(3):342-348
 166. Shekhar Singh, Shaweta sharma Transdermal Drug Delivery System: Formulation Aspects & Evaluation *International journal of Biopharmaceutical and Toxicological Research*, 2014; 4(1):246-273
 167. Anita Singh, M Vijaykumar. The effect of plasticizer concentration on polymeric transdermal patch, *Journal of Drug Delivery & Therapeutics* (ISSN: 2250-1177): 4(1), 59-62, 2014.
 168. Mamta F. Singh, Shradha Bisht, Roshni Sajwan., Evaluation of antiurolithiatic activity of combination *Phyllanthus niruri* and *Aerva lanata* in ethylene Glycol induced urolithiasis in rats. *Guru Drone Journal of Pharmacy and Research*. 2014; 2(2): 18 – 29.
 169. Shradha Bisht, S.S.Sisodia, Mamta F.Singh, Effect of an isolated compound (CT-I) of *Cinnamomum tamala* leaf on different biochemical parameters in STZ induced diabetic rats. *Journal of Drug Research* 2014; 1(3): 53-60. <http://ibir.res.in/jdr.html>

170. Mamta. F. Singh, Shradha Bisht, Archana Aswal. Alzheimer disease: Allopathic, Herbal and Nutritional Approach for treatment, *Journal of Drug Research* 2014; 1(3): 41-52. <http://ibir.res.in/jdr.html>
171. Naha Anup, Kiran Sai , Rai Ikya, Vora Bhavisha, Reddy D Apoorva, P Kartika, Preparation and evaluation of Polymeric nanoparticles of Glibenclamide in *Journal Drug Delivery and Therapeutics -spt*, 2014.
172. Surendra Kumar, Meena Tiwari, Topomer-CoMFA based predictive modeling on 2,3-diaryl-substituted-1,3-thiazolidin-4-ones as non-nucleoside reverse transcriptase inhibitors, *Medicinal Chemistry Research* ISSN: 1054-2523 (DOI: 10.1007/s00044-014-1105- y;2013)(Impact Factor=1.965)
173. Amrita K. Saluja, Meena Tiwari, Surendra Kumar Ligand based design, virtual screening and ADME/T based profiling on a dataset of 1,3,5-triazine substituted benzene sulphonamides as carbonic anhydrase inhibitors, *Journal of Chemometrics* (ISSN: 1099-128X): (Published online; DOI:10.1002/cem.2579; 2013) (Impact Factor = 2.467)
174. Surendra Kumar, Meena Tiwari Grid potential analysis, virtual screening studies and ADME/T profiling on N-arylsulfonylindoles as anti-HIV-1 agents, *Journal of Chemometrics*,(ISSN: 1099-128X): 27(6), 143-154, 2013, (Impact Factor=2.467)
175. Surendra Kumar, Meena Tiwari, Variable selection based QSAR modeling on Bisphenylbenzimidazole as Inhibitor of HIV-1 reverse transcriptase, *Medicinal Chemistry*,(ISSN: 1573-4064) 9(7), 955-967, 2013, (Impact Factor=1.373)
176. Shweta Singh, Pooja Chawla, Viney Chawla, Shailendra K. Saraf, Syntheses and characterization of some novel substituted pyridosulfonamide derivatives as antimicrobial agents, *Rasayan Journal of Chemistry*, (ISSN: 0974-1496), 6(3), 196-200, 2013.
177. Mukesh Srivastava, Gul Naz Fatima, Richa Srivastava, Man Mohan Singh, Assessment of Awareness of Osteoporosis Amongst Unmarried Indian Girl Students Pursuing Undergraduate and Postgraduate Courses in *Asian Journal of Oral Health & Allied Sciences*, Volume 3, Issue 1, 2013, 1-7.
178. Shradha Bhandari, Avinash C. Tripathi, Shailendra K. Saraf, Novel 2-Pyrazoline Derivatives as Potential Anticonvulsant Agents, *Medicinal Chemistry Research* (ISSN: 1054- 2523), 22(11),5290-5296,2013. (Springer, Impact Factor-1.965)
179. Pankaj K. Sonar, Ranjit Singh, Anju Verma, Shailendra K. Saraf, *Rhododendron arboreum* (Ericaceae): immunomodulatory and related toxicity studies, *Oriental Pharmacy and Experimental Medicine* (ISSN: 1598-2386); 13 (2), 127-132, 2013. (Springer)
180. Priyanka Dixit, Avinash C. Tripathi, Shailendra K. Saraf, Synthesis and characterization of some heteroaromatic derivatives of 3-but-2-enoyl-chromen-2-one and their potential as anti-inflammatory agents, *Journal of Heterocyclic Chemistry*, (ISSN: 1943-5193), 50, 1431-1436, 2013. (Wiley, Impact Factor-2.193)
181. Amit Verma, Mange Ram Yadav, Rajani Giridhar, Navnit Prajapati, Avinash C. Tripathi, Shailendra K. Saraf, Nitrogen Containing Privileged Structures and their Combinatorial Synthesis, *Combinatorial Chemistry & High Throughput Screening* (ISSN: 1386-2073),

- 16(5),345-393, 2013. (Bentham, Impact Factor-1.339)
182. Shashi Kant Sahu, Bidhyut Kumar Dubey, Avinash C. Tripathi, Mary Koshy, Shailendra K. Saraf, Piperidine-4-one: The Potential Pharmacophore, Mini Reviews In Medicinal Chemistry (ISSN: 1389-5575); 13(4),565-583, 2013. (Bentham, Impact Factor-3.862)
183. Om Prakash Agrawal, Pankaj K. Sonar, Shailendra K. Saraf, 4-Thiazolidinone and 1-Thia-3,4,9-triaza Fluorene Conjugates: Synthesis, Characterization and Antimicrobial Screening, Medicinal Chemistry Research (ISSN: 1054-2523); 22(4), 1972-1978, 2013. (Springer, Impact Factor- 1.965)
184. Shekhar Singh, Sandeep Singh, Dheeraj Sood, Jasveer Singh Formulation and optimization of Flurbiprofen matrix tablet for colonic drug delivery. International Journal of Pharma Professional Research, Oct-2013-Volume-4-Issue-4,921-927
185. Shradha Bisht, Madhu sujneja, Mamta F singh, SP Rathore, Anxiety-A Treatment by Herbal Approach: A Review, GDJPR, Oct-Dec 2013;1(1):7-12.
186. Suman, Sanjay Tiwari, Rajiv Gupta. Development of Herbal Biodegradable Polymeric Nanoparticle from Clerodendrum infortunatum L. Journal of Bionanoscience (ISSN: 1557-7910) Vol. 7,341-347 , 2013 (Impact Factor:1.174)
187. Alok Pratap Singh, Shailendra K. Saraf, Shubhini A. Saraf, SLN Approach for nose to brain targeting of alprazolam, Drug Delivery and Translational Research (ISSN: 2190-393X); 2(6), 498-507, 2012. (Springer, Impact Factor- 4.617)
188. Manish Agrawal, Pankaj K. Sonar, Shailendra K. Saraf, Synthesis of 1, 3, 5-Trisubstituted Pyrazoline nucleus containing compounds and screening for Anti-microbial activity, Medicinal Chemistry Research; 21(11), 3376-3381, (ISSN: 1054-2523), 2012. (Springer, Impact Factor-1.965)
189. Rajeev Verma, Pooja Chawla, Shailendra K. Saraf, Syntheses, characterization and evaluation of some 1,3,4-tri substituted-5-pyrazolone derivatives as dual anti-inflammatory and antimicrobial agents, Der Pharmacia Sinica; 3(5), 546-555, (ISSN: 0976-8688), 2012.
190. Pooja Chawla, Ranjit Singh, Shailendra K. Saraf, Effect of chloro and fluoro groups on the antimicrobial activity of 2, 5-disubstituted 4-thiazolidinones: A comparative study, Medicinal Chemistry Research; 21(10), 3263-3271, (ISSN: 1054-2523), 2012. (Springer, Impact Factor- 1.965)
191. Pooja Chawla, Ranjit Singh, Shailendra K. Saraf, Syntheses and evaluation of 2, 5-disubstituted 4-thiazolidinone analogues as antimicrobial agents, Medicinal Chemistry Research; 21(8), 2064-2071, (ISSN: 1054-2523), 2012. (Springer, Impact Factor-1.965)
192. Vikas Pandey, Viney Chawla, Shailendra K. Saraf, Comparative study of conventional and microwave assisted synthesis of some Schiff bases and their potential as antimicrobial agents; Medicinal Chemistry Research, 21(6), 844-852, (ISSN: 1054-2523), 2012. (Springer, Impact Factor-1.965)
193. Siddhartha Tarun, Mithilesh, Sharma Raju, Chawla Pooja, Saraf S. K., Syntheses and Antioxidant Screening of Pyrazole-4-Carboxaldehyde Derivatives, International Journal of Research in Pharmacy and Science, 2(3),81-96, (ISSN:2249-3522), 2012.

194. Pankaj K. Sonar, Ranjit Singh, Shagufta Khan, Shailendra K. Saraf, Isolation Characterization and Activity of the Flowers of *Rhododendron arboreum* (Ericaceae), E-J. CHEM, 9(2), 631-636, (ISSN: 0973-4945), 2012. (Hindawi, Impact Factor-1.790)
195. Pankaj K. Sonar, Ranjit Singh, Parveen Kumar Bansal, Anil Kumar Balapure, Shailendra K. Saraf, R. arboreum Flower and Leaf Extracts: RP-HPLC Screening, Isolation, Characterization and Biological Activity, *Rasayan Journal of Chemistry*; 5(2), 165-172,(ISSN: 0974-1496), 2012.
196. Poonam Mahendra, Shradha Bisht, *Ferula asafoetida*: Traditional uses and Pharmacological activity', *Pharmacognosy Review*, 2012: 6(12):141-146.
197. Shradha Bisht, S.S.Sisodia., Oral Glucose Tolerance Test- an essential tool to make the diagnosis of diabetes, *International Journal of Pharmaceutical Sciences Review and Research*. 2011;6 (2):48-52. <http://www.globalresearchonline.com> .(Impact factor 0.65)
198. Shradha Bisht, S.S.Sisodia, Assessment of antidiabetic potential of *Cinnamomum tamala* leaves extract in streptozotocin induced diabetic rats in *Indian Journal of Pharmacology*. Oct -2011, 43(5). 582-594. (Impact factor 1.04)
199. Poonam Mahendra, Shradha Bisht., Antianxiety activity of *Coriandrum sativum* assessed using different experimental anxiety models, *Indian Journal of Pharmacology*. Oct-2011, 43 (5):574- (Impact factor 1.04)
200. Shradha Bisht, S.S. Sisodia., Protective role of Coffee beans in diabetes mellitus model of rats, *Journal of Pharmacy Research*. 2011;4(10):3717-3720. <http://www.jpronline.info>.
201. Poonam Mahendra, Shradha Bisht, Clinical Trial and Data Management, *International Journal of Pharmaceutical Sciences Review and Research*. 2011;7(2).46-49. <http://www.globalresearchonline.com> .(Impact factor 5.016)
202. Poonam Mahendra, Shradha Bisht, Diagnostic Criteria in Different Population for Diabetes Mellitus in *Journal of Pharmacy research*. 2011; 4(4);1189-92. Available online at <http://www.jpronline.info> (Impact factor 3.90)
203. Shradha Bisht, S.S.Sisodia, *Coffea Arabica* a wonder gift to medical sciences, *Journal of Natural Pharmaceuticals*. 2011;1(1); 58-63, Available online at <http://www.jnatpharm.org>.
204. Pallavi Tripathi, Formulation & evaluation of floating tablets of famotidine using natural polymers.(Research Article) *International Research Journal of Pharmacy* June 2011 . IRJP-2 (6), page 110-115.
205. Pallavi Tripathi, Diuretic activity of *Pistia stratiotes* leaf extract in rats. (Research Article) *International Research Journal of Pharmacy* March 2011 IRJP -2 (3). Page 249-251.
206. Surendra Kumar, Vineet Singh, Meena Tiwari, QSAR modeling of the inhibition of reverse transcriptase enzyme with benzimidazolone analogs, *Medicinal Chemistry Research*, (ISSN: 1054-2523), 20(9), 1530-1541, 2011, (Impact Factor=1.965)
207. Avinash C. Tripathi, Rajiv Gupta, Shailendra K. Saraf, Phytochemical investigation characterization and anticonvulsant activity of *Ricinus communis* seeds, *Natural Product Research*; 25 (19), 1881-1884, (ISSN: 1478-6419), 2011. (Taylor & Francis, Impact Factor- 2.861)

208. Shubhini A. Saraf, Kumar T. G., Manisha Pandey, Preeti Y., Shailendra K. Saraf, Development of Meloxicam formulations utilizing ternary complexation for solubility enhancement; Pakistan Journal of Pharmaceutical Science, 24 (4),533-538 (ISSN: 1011- 601X), 2011. (Impact Factor-0.65)
209. Pooja Chawla, Viney Chawla, Shubhini A. Saraf, Shailendra K. Saraf, Synthesis of Bezimidazoles as Antimicrobial Agents; Indian Journal of Heterocyclic Chemistry, 20(2), 399-400, (ISSN: 0971-1627), 2011. (Impact Factor-0.339)
210. Gyanendra Singh, Harinath Dwivedi, Shailendra K. Saraf, Shubhini A. Saraf, Niosomal Delivery of Isoniazid: Development and Characterization; Tropical Journal of Pharmaceutical Research, 10 (2), (ISSN: 1596-5996), 203-210, 2011. (Impact Factor-0.533)
211. Viney Chawla, Shubhini A. Saraf, Shailendra K. Saraf, Gene Delivery: The Non-viral Vector Advantage, ACT's Biotechnology Research Communications; 1(1), 1-7, (ISSN: 1858-5965), 2011.
212. Virender Kaur, Rajendra K. Singh, Shailendra K. Saraf, Phytochemical investigation and anti-diabetic screening of tender shoots of Asparagus racemosus (Liliaceae), Indian Journal of Pharmaceutical & Herbal Research, 1(1),26-29, (ISSN:),2011.
213. Anoop K. Pathak, Viney Chawla, Shailendra K. Saraf, Syntheses of 2-(6'- fluorobenzothiazol-2'-ylamino)-4, 6-(disubstituted thiouriedo) -1, 3-pyrimidine derivatives as antimicrobial agents; E-J. CHEM, 8 (1), 240-244, (ISSN: 0973-4945), 2011. (Hindawi,Impact Factor-1.790)
214. Shekhar Singh,Sandeep Singh, Shaweta Sharma, Navpreet Kaur Design and Characterization of Flurbiprofen Matrix Tablets For Colon Targeting. International Journal of Biopharmaceutical & Toxicological Research, June-2011-Volume-1-Issue-1,1-8
215. Priyanka, M.; Meenakshi, B., Study of secnidazole-serratiopeptidase alginate/HPMC gels for periodontal delivery. Int. J. Pharm. Res. 2011, 3 (3), 1488-1494. (Impact Factor: NA)
216. Shekhar Singh,Shaweta Sharma, Abdul Hafeez DISSOLUTION:- Life line of Pharmaceutics International Journal of Pharma Professional Research, March 2011 - Volume 2 - Issue 1,224-241
217. Achhrish Goel, Shekhar Singh, Jyoti Sati, Ujjwal Tewari Pharmacokinetic, solubility and dissolution profile of leprotic drugs. International Journal of Pharma Professional Research, March 2011 - Volume 2 - Issue 1, 207-211
218. Anshu Deo Gupta Chemical and Potential aspects of anthocyanins-a water soluble vocular flavonoid pigments: Review, International Journal Of Pharmaceutical Sciences Review And Research, (ISSN: 0976-044X): 1 (6), 28-33, 2011.
219. Anita S, Manjul P. Singh, Gulzar A, Roshan P, Dhaneswar Vishvakarma, Neelam Datt, Expending opportunities for transdermal delivery systems: A overview: Journal of Pharmacy Research (ISSN: 0974-6943) 4(5) 1417-1420, 2011.
220. Maurya Priyanka, Bajpai Meenakshi Study of Secnidazole- Serratiopeptidase Alginate/HPMC Gels For Periodontal Delivery, International Journal of Pharm Tech Research, (ISSN: 0974-4304): Vol.3, No.3, 1488-1494,2011.

221. Maurya Umashanker and Srivastava Shruti, Traditional Indian Herbal Medicine used as antipyretic, antiulcer anti-dabetic and anticancer: A Review Article: International Journal of Research in Pharmacy and Chemistry, (ISSN: 2231-2781): 1(4), 2011.
222. Vijendra uryawanshi, Chanchal Deep Kaur, Amit Alexander, Moh. Akhtar Rasool, Shekhar Singh Development and in-vitro evaluation of buccoadhesive formulation of dimenhydrinate tablet International Journal of Pharma Professional Research, October 2010 - Volume 1 - Issue 2,114-118
223. Shekhar Singh, Prashant Kaushik, Abdul Hafeez, Kapil Kumar Colon: Approaches, diseases and polymers International Journal of Pharma Professional Research, October 2010 - Volume 1 - Issue 2,138-155
224. Shekhar Singh, Divyesh Patel, Nirav Kumar Patel, Kapil Kumar, Manish Kumar Gautam Insulin Oral Delivery May Be Possible International Journal of Pharma Professional Research, July 2010 - Volume 1 - Issue 1,46 - 51
225. AK Pathak, N Nainwal, BM Goyal, R Singh, V Mishra, S Nayak, P Bansal, V Gupta, Pharmacological Activity of Trachyspermum Ammi in journal of Pharmacy Research, 2010, 3(4), 895-899
226. Shradha Bisht, S.S.Sisodia, Diabetes, Dyslipidemia, Antioxidant and Status of Oxidative Stress, International Journal of Research in Ayurveda and Pharmacy, 2010;1 (1);33-42. www.ijrap.net.
227. Shradha Bisht, S.S.Sisodia, Anti-Hyperglycaemic And Anti-Dyslipidaemic Effect Of Ocimum Sanctum Leaf Extract In Stz-Induced Diabetes Mellitus, Inventi Rapid- journal of Ethnopharmacology, 2010;1(2). (Impact factor 0.89)
228. Shradha Bisht, S.S.Sisodia, Anti-Hyperglycemic And Antidyslipidemic Potential Of Azadirachta Indica Leaf Extract In Stz- Induced Diabetes Mellitus, Journal of Pharmaceutical Sciences and Research. 2010;2(10):622-627(Impact factor 0.65)
229. Shradha Bisht, Subhash Pinngolia, Leptin hormone: its association with obesity, International Journal of Drug Formulation and Research (IJDFR). 2010; 1(1).
230. Shradha Bisht, Natasha Sharma, Development and advancement in treatment of infertility, International Journal of Drug Formulation and Research. 2010;1(2):83-100.
231. Poonam Mahendra, Shradha Bisht, DNA Microarrays: to probe entire genomes at an exquisitely detailed level, International Journal of Pharmaceutical Science and Biotechnology 2010; 1(4). Available Online at <http://www.ijpsb.com>.
232. Anjana Sharma, Poonam Mahendra, Shradha Bisht, Management of Pregnancy induced Hypertension, International Journal of Research in Ayurveda and Pharmacy. 2010; 1(2):390-98. <http://www.ijrap.net> (Impact factor 0.765)
233. Pallavi Tripathi, Pistia stratiotes- Jalkumbhi- A Review in PHCOG REV (Review Article) vol .4 : Issue 8 , 153-160. 2010.
234. Blessy Pothen, Vineet Singh, Surendra Kumar, Meena Tiwari, Structural optimization of new class of selective carbonic anhydrase inhibitors: QSAR approach, Indian Journal of Chemistry, (ISSN: 0975-0975): 49B (02), 224-233, 2010, (Impact Factor=0.592)

235. NV Murali Krishna Akula, Surendra Kumar, Vineet Singh, Meena Tiwari, Homology modeling and QSAR analysis of 1,3,4-thiadiazole and 1,3,4-triazole derivatives as carbonic anhydrase inhibitors, *Indian Journal of Biochemistry*, (ISSN. 0019-5081): 47(4),234-242,2010 (Impact Factor=1.918)
236. Anita S, Manjul P.S., Roshan P, Neelam D, Gulzar A Bioflavonoids quercetin in Oncology: A review, *Journal of Pharmacy Research*, (ISSN (ONLINE): 0974-6943): 3(12) 2834-2835, 2010.
237. Arpita Singh, Manmohan Singh, Rasika Suryawanshi, Shubhini A. Saraf, Vibhu Sahani, Shailendra Saraf, Development and Characterization of Moxifloxacin HCl Loaded Dental Strips For Treatment of Periodontitis, *Journal of Pharmacy Research*, 3(12), 2836-2839, (ISSN: 0974-6943), 2010.
238. Pooja Chawla, Viney Chawla, Radhika Maheshwari, Shubhini A. Saraf, Shailendra K. Saraf, Fullerenes-From Carbon to Nanomedicine, *Mini Reviews In Medicinal Chemistry*, 10(8), 662-677, (ISSN: 1389-5575), 2010. (Bentham, Impact Factor-3.862)
239. Vertika Gautam, Viney Chawla, Pankaj K. Sonar, Shailendra K. Saraf, Syntheses Characterization and Antimicrobial Evaluation of Some 1, 3, 5-trisubstituted Pyrazole Derivatives; *E-J. CHEM*, 7(4), 1190-1195, (ISSN: 0973-4945), 2010. (Hindawi, Impact Factor-1.790)
240. Amit Verma, Shweta S. Verma, Shailendra K. Saraf, A DIC Mediated Expeditious Small Library Synthesis and Biological Activity of Thiazolidin-4-one and Thiazinan-4-one Derivatives; *Journal of Heterocyclic Chemistry*, 47(5), 1084-1089, (ISSN: 1943-5193), 2010. (Wiley, Impact Factor-2.193)
241. Laliteshwar P. Singh, Viney Chawla, Pooja Chawla, Shailendra K. Saraf, Synthesis and antimicrobial activity of some 2-Phenyl-benzoxazole derivatives; *Der Pharma Chemica*, 2(4), 206-212, (ISSN: 0975-413X), 2010.
242. Neetu Sachan, Phool Chandra, S. K. Saraf, R. C. Gupta, Novel Method for Simultaneous Estimation of Ciprofloxacin Hydrochloride and Ofloxacin by Reverse Phase-High Performance Liquid Chromatography, *International Journal of Pharmaceutical Sciences and Research*, 1(7), 100-107, (ISSN: 0975-8232), 2010.
243. Shagufta Khan, Pankaj K. Sonar, Shubhini A. Saraf, Shailendra K. Saraf, Phytochemical screening and antimicrobial activity of the fruit rinds of *Garcinia indica* (Guttiferae), *Deccan Journal of Natural Products*, (ISSN: 0976-1373), 1(1), 2010.
244. Anita Verma, Akansha Tripathi, Shubhini A. Saraf, Shailendra K. Saraf, Fabrication and evaluation of sustained release microspheres of ketorolac tromethamine, *International Journal of Pharmacy and Pharmaceutical Sciences*, 2(4),44-48, (ISSN:0975-1499), 2010.
245. Anshu Deo Gupta Benincasa *Hispida* reversed myelin degeneration in ethidium bromide induced rat models”. *Advances in Pharmacology and Toxicology*, (ISSN 0973 - 2381) 11 (1) 123-130, 2010.
246. Chaudhri S K, Jain N K, “History of Cosmetics : A review”, *Asian J Pharm* 2009;3:164-167.
247. Shradha Bisht, S.P.Rathore, Sulakshana Gandhi, Oxidative Stress in Subjects with some

- Gynecological Malignancy, *International Journal of Community Pharmacy*.2009; 2(2).
248. Ranjit Singh, Mukesh Maithani, Shailendra K. Saraf, Shubhini A. Saraf, Ram C. Gupta, Simultaneous Estimation of Ciprofloxacin, Ofloxacin, Tinidazole and Ornidazole by Reverse Phase–High Performance Liquid Chromatography, *Eurasian Journal of Analytical Chemistry*, 4(2), 161-168, (ISSN: 1306-3057), 2009.
 249. Niti Bhardwaj, S. K. Saraf, Pankaj Sharma, Pradeep Kumar, Syntheses, Evaluation and Characterization of Some 1, 3, 4-Oxadiazoles as Antimicrobial Agents, *E-J. CHEM*, 6(4), 1133-1138, (ISSN: 0973-4945), 2009. (Hindawi, Impact Factor-1.790)
 250. Amit Verma, Shailendra K. Saraf, 4-Thiazolidinones: A biologically active scaffold, *European Journal of Medicinal Chemistry*, 43(5), 897-905, (ISSN: 0223-5234), 2008. (Elsevier, Impact Factor-6.514)
 251. Surendra Kumar, Vineet Singh, Meena Tiwari, Quantitative Structure Activity Relationship Studies of Sulfamide Derivatives as Carbonic Anhydrase Inhibitor: As Antiglaucoma Agents, *Medicinal Chemistry*, (ISSN: 1573-4064) : 3(4), 379-386, 2007, (Impact Factor= 2.745)
 252. Ajay Semalty, Mona Semalty, Ranjit Singh, Shubhini A. Saraf, Shailendra K. Saraf, Iontophoretic Drug Delivery System: A Review, *Technology and Healthcare*, 15(4), 237-245, (ISSN: 0928-7329), 2007. (IOS Press)
 253. Ajay Semalty, Mona Semalty, Ranjit Singh, Shubhini A. Saraf, Shailendra K. Saraf, Properties and formulation of oral drug delivery systems of proteins and peptides, *Indian Journal of Pharmaceutical Sciences*, 69(6), 741-747, (ISSN: 0250-474), 2007. (Wolters Kluwer, Impact Factor-0.721)
 254. Ajay Semalty, Mona Semalty, Ranjit Singh, Ganesh K. Bhatt, Shubhini A. Saraf, Shailendra K. Saraf, Formulation and Evaluation of Dexamethasone Matrix Tablets for Colon Specific Delivery, *Pharma Review*, 5, 25, 159-162, (ISSN: 1918-5561), 2006.
 255. Reena Rachel Jacob, Surendra Kumar, Meena Tiwari, 3D-QSAR study of Benzoxazinones: Analogs of Efavirenz, *Asian Journal of Chemistry* (ISSN. 0970-7077): 17(2), 1031-1040, 2005. (Impact Factor-0.460)
 256. Reena Rachel Jacob, Surendra Kumar, Meena Tiwari, 3D-QSAR Study of substituted -2-pyridinones as Non-nucleoside reverse transcriptase inhibitor, *Indian Drugs*, (ISSN: 0019-462X) 42(5), 289-294, 2005.
 257. R. K. Rishi, Sangeeta Sharma, Surendra Kumar, Mukul Tailang, 3D-QSAR study of some 5,6-dihydropyran-2-ones as protease inhibitors. *Indian Journal of Pharmaceutical Sciences*, (ISSN: 0250-474X) : 67(1), 30-36, 2005, Impact Factor-0.338
 258. R. K. Rishi, Sangeeta Sharma, Surendra Kumar, Mukul Tailang, Prescription audit: Experience in Garhwal (Uttanchal), India, *Tropical Doctor* (ISSN: 0049-4755) , 33 (2), 2003, (Impact Factor-0.611)
 259. D. V. Kohli, R. K. Uppadhyay, S. K. Saraf, K. K. Vishwakarma, Nalidixic acid Prodrugs: Amides from amino acids esters and nalidixic acid, *Pharmazie*, (ISSN: 0031-7144), 47 (1), 57-59, 1992. (Govi-Verlag, Impact Factor-1.198)

BOOKS AND CHAPTERS

1. Mishra, N.; Nisha, R.; Singh, N.; Maurya, P.; Singh, P.; Pal, R. R.; Singh, S.; Saraf, S. A., Bioadhesive and phase change polymers for drug delivery. In *Smart Polymeric Nano-Constructs in Drug Delivery*, Elsevier: 2023; pp 151-186.
2. Singh, P.; Mishra, N.; Singh, N.; Nisha, R.; Maurya, P.; Pal, R. R.; Saraf, S. A., siRNA polymer conjugates for the delivery of RNAi therapeutics for the treatment of Parkinson's disease. In *Nanomaterial Drug Delivery for Neurodegenerative Diseases*, Elsevier: 2022; pp 81-98.
3. Nisha, R.; Mishra, N.; Singh, N.; Singh, P.; Pal, R. R.; Singh, S.; Maurya, P.; Saraf, S. A., Polymer conjugates: implications and roles in biomedical applications. In *Multifunctional Nanocarriers*, Elsevier: 2022; pp 203-233.
4. Singh, S.; Singh, P.; Mishra, N.; Maurya, P.; Singh, N.; Nisha, R.; Saraf, S. A., Advanced drug delivery systems in breast cancer. In *Advanced Drug Delivery Systems in the Management of Cancer*, Elsevier: 2021; pp 107-126.
5. Maurya, P.; Singh, S.; Mishra, N.; Pal, R.; Singh, N.; Parashar, P.; Saraf, S. A., Albumin-based nanomaterials in drug delivery and biomedical applications. In *Biopolymer-Based Nanomaterials in Drug Delivery and Biomedical Applications*, Elsevier Inc.: 2021; pp 465-496.
6. Mishra, N.; Singh, S.; Maurya, P.; Nisha, R.; Saraf, S. A., Recent Developments and Challenges in Nanoformulations Targeting Various Ailments of the Colon. In *Nanoformulations in Human Health: Challenges and Approaches*, Springer International Publishing: 2020; pp 133-167.
7. Maurya, P.; Singh, S.; Saraf, S. A., Inhalable hybrid nanocarriers for respiratory disorders. In *Targeting Chronic Inflammatory Lung Diseases Using Advanced Drug Delivery Systems*, Elsevier: 2020; pp 281-302.
8. Maurya, P.; Singh, S.; Naik, R. R.; Shakya, A. K., Biohazards of Nanomaterials. In *Integrative Nanomedicine for New Therapies*, Springer Science and Business Media B.V.: 2020; pp 39-70.
9. Singh, S.; Maurya, P.; Saraf, S. A., Cutting edge targeting strategies utilizing nanotechnology in breast cancer therapy. *Frontiers in Anti-Cancer Drug Discovery* 2019, 10, 180.
10. Priyanka Maurya, Albumin based nanomaterials in drug delivery and biomedical applications. In *Biopolymer-Based Nanomaterials in Drug Delivery and Biomedical Applications*, pp. 465-496, United States, Elsevier Science, 2021.
11. Priyanka Maurya, Advanced drug delivery systems in breast cancer. In book *Advanced drug delivery systems in the management of cancer*. Academic Press, Pages 107-126, 23 June 2021.

12. Shukla, I. , Physiological, Biochemical, and Molecular Mechanism of Nitric Oxide-Mediated Abiotic Stress Tolerance. In *Plant Growth Regulators: Signalling Under Stress Conditions*, (217), 2021.
13. Shukla, I. , Multivariate analysis of herbal drugs with diverse pharmacological activities: metabolomics study. In *Medicinal and Aromatic Plants* (pp. 87-96). Academic Press, 2021.
14. Shukla, I. , Perspectives of phytotherapeutics: Diagnosis and cure. In *Phytomedicine* (pp. 225-250). Academic Press, 2021.
15. Priyanka Maurya, Biohazards of Nanomaterials. In *Integrative Nanomedicine for New Therapies*, pp. 39-70. Springer, Cham, 2020.
16. Priyanka Maurya, Recent Developments and Challenges in Nanoformulations Targeting Various Ailments of the Colon. In *Nanoformulations in Human Health*, pp. 133-167. Springer, Cham, 2020.
17. Priyanka Maurya, Inhalable hybrid nanocarriers for respiratory disorders. In *Targeting Chronic Inflammatory Lung Diseases Using Advanced Drug Delivery Systems*, pp. 281-302. Academic Press, 2020.
18. Shukla, I. , Contribution of Lichens in Rectification of Alcohol-Induced Liver Damage: Preventive or Curative. In *Innovations in Food Technology* (pp. 201-210). Springer, Singapore, 2020.
19. Priyanka Maurya, Cutting Edge Targeting Strategies Utilizing Nanotechnology in Breast Cancer Therapy. In *Frontiers in Anti-Cancer Drug Discovery*, Bentham Science, Vol. 10, 91-138 91, 2019.
20. Dr. Shailendra K. Saraf, *The Nature, Health and Wellness Trinity: The Way Forward for Tourism in India*, ASIN: B07KCJP1DB, White Falcon Publishing, New Delhi, 2018.
21. Priyanka Maurya, *The Nature, Health and Wellness Trinity: The Way Forward for Tourism in India*, ASIN: B07KCJP1DB, White Falcon Publishing, New Delhi, 2018.
22. Dr. Shailendra K. Saraf, Ocular Drug Delivery Systems, In-vitro and In-vivo Tools. In *Drug Delivery Research for Optimum Clinical Outcomes*, ISBN: 13: 978-1-138-55560-0, CRC Press, Taylor & Francis Group, Boca Raton, 135-172, 2018.
23. Dr. P. C. Tiwari, *Methods in Drug Evaluation*, JayPee Medical Publication (April 2018).
24. Dr. Shailendra K. Saraf, *Some 4-Thiazolidinones as Antimicrobial Agents*, ISBN: 978-3-659-68637-5, Lambert Academic Publishing, Germany, 2017.
25. Dr. Shailendra K. Saraf , *Some Pyrazoline Derivatives as Anti-microbial Agents*, ISBN: 978-3-659-96624-8, Lambert Academic Publishing, Germany, 2016.
26. Dr. Shailendra K. Saraf, *Streblus asper: Extraction, HPTLC Profile and Anticonvulsant Activity*, ISBN: 978-3-659-91501-7, Lambert Academic Publishing, Germany, 2016.

27. Dr. Shailendra K. Saraf, *Some Pyrazoline Derivatives as Anti-microbial Agents*, ISBN: 978-3-659-96624-8, Lambert Academic Publishing, Germany, 2016.
28. Dr. Shailendra K. Saraf, *Streblus asper: Extraction, HPTLC Profile and Anticonvulsant Activity*, ISBN: 978-3-659-91501-7, Lambert Academic Publishing, Germany, 2016.
29. Dr. Shailendra K. Saraf, *Regulatory Requirements for Marketing Authorization of Similar Biologics in India*. In *Biotechnology in Medicine and Herbal Drug Development*, Gulab Publishers, New Delhi, 209-227, ISBN: 978-81-92064-0-4, 2014.
30. Dr. Shailendra K. Saraf, *Pharmaceutical Biotechnology*. In *Biotechnology Medicine and Herbal Drug Development*, Gulab Publishers, New Delhi, 270-286, ISBN: 978-81-92064-0-4, 2014.
31. Dr. Akanksha Mishra, *Modern Concept on Dyslexia*. LAP Lambert Academic Publishing GmbH & Company KG, Saarbrücken, Germany (ISBN 978-3-659-55190-1), 2014
32. Dr. Shailendra K. Saraf, *Carbon Nanotubes as Drugs and Drug Delivery Systems*. In *Advancement in carrier based drug delivery*, The Biohealthcare Publishing(Oxford) Limited, Oxford OX28 4BN UK, 2013 (Accepted).
33. Dr. Shailendra K. Saraf, *Pharmacosomes: the versatile colloidal carriers*, *Advancement in carrier based drug delivery*, The Biohealthcare Publishing(Oxford) Limited, Oxford OX28 4BN UK, 2013 (Accepted).
34. Dr. Shailendra K. Saraf, *Microtechnique applications in assisted reproduction*. In *Recent Advances in Assisted Reproductive Technology*, Gulab Publishers, New Delhi, 295-306, ISBN: 978-81-92064-0-6, 2013.
35. Dr. Shailendra K. Saraf, *Traditional Medicinal Concepts: Importance in Modern Medicine, Preservation and Digitization in Evidence Based Medicine*, Saurabh Medical Publishers, New Delhi, 68-74, ISBN: 978-93-819101-6-0, 2013.
36. Dr. Shailendra K. Saraf, *Osteoporosis and Drug Design Strategies for its Treatment, Osteoporosis- A Review*, Gulab Publishers, New Delhi, 205-227, ISBN: 978-81- 92064-0-9, 2013.
37. Dr. Shailendra K. Saraf, *Phytochemical and Biological Screening of Rhododendron arboreum*, ISBN: 978-3-659-25257-0, Lambert Academic Publishing, Germany, 2012.
38. Dr. Shailendra K. Saraf, *1, 3-Pyrimidine Derivatives: Synthesis and Antimicrobial Activity*, ISBN: 978-3-8484-8835-3, Lambert Academic Publishing, Germany, 2012.
39. Dr. Shailendra K. Saraf, *Solid Phase Synthesis And Characterization of 4-Thiazolidinones: Thiazolidine-4-one and 1,3-thiazinan-4-one derivatives*, ISBN: 978-3-8484-8520-8, , Lambert Academic Publishing, Germany, 2012.
40. Dr. P. C. Tiwari, *Schizophrenia- A New Insight*, Lambert Academic Publishers Germany (September 2012).

41. Dr. Shailendra K. Saraf, *Ricinus communis: Herbal Remedy for Convulsions*, ISBN: 978-3-8433-8865-7, Lambert Academic Publishing, Germany, 2011.
42. Dr. Shailendra K. Saraf, *Phytochemical Investigation and Pharmacological Screening*, ISBN: 978-3-8433-8081-2, Lambert Academic Publishing, Germany, 2010.
43. Dr. Shailendra K. Saraf, *Simultaneous Estimation of Drugs by RP-HPLC*, ISBN: 978-3-8433-7515-3, Lambert Academic Publishing, Germany, 2010.
44. Dr. Shailendra K. Saraf, *Art of Writing and Publishing in Pharmaceutical Journals*, ISBN: 81-88449-21-0, Pharma Book Syndicate, Hyderabad, 2006.
45. Dr. Shailendra K. Saraf, *Phytosome: A New Herbal Drug Delivery System, Recent Progress In Medicinal Plants*, Vol. 19, Studium Press, New York, 223-236, ISBN: 13:978076184980, 2007.
46. Dr. Shailendra K. Saraf, *Phytochemical and Biological Screening of Rhododendron arboreum (Sm.)*", LAP-LAMBERT Publishing House, Germany, ISBN No. 978-3-659-25257-0.

LIBRARY AND MAGAZINE COMMITTEE**1. Faculty Advisory Board:**

- ❖ Prof. (Dr.) Gul Naz Fatima
- ❖ Prof. (Dr.) Priyanka Maurya
- ❖ Dr. Shekhar Singh
- ❖ Ms. Prachi Mishra
- ❖ Mr. Vimlesh Kumar

2. Student Editors:

- | | |
|-------------------|---------------------------------|
| ❖ Aditya Raj | (B. Pharm 4 th Year) |
| ❖ Krishna Agarwal | (B. Pharm 4 th Year) |
| ❖ Girish Iyer | (B. Pharm 3 rd Year) |
| ❖ Pragati | (B. Pharm 3 rd Year) |
| ❖ Riya Gupta | (B. Pharm 3 rd Year) |

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.



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

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
OF TECHNOLOGY



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.

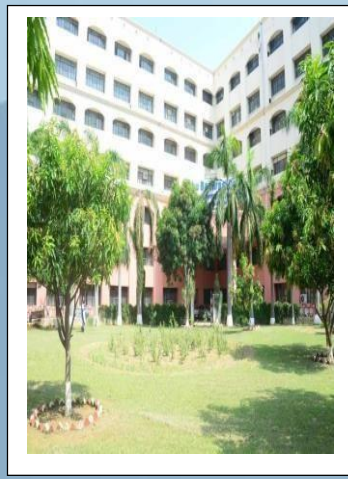
I shall endeavour to discover and manufacture drugs of quality to alleviate sufferings of humanity.

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!



2024

PHARMAZEAL

Published by:
FACULTY OF PHARMACY, BBDNIIT, LUCKNOW
Official Website: www.pharmacybbdniit.org