



# BNCP Newsletter

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SEMIANNUAL NEWSLETTER

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## PRINCIPAL'S DESK

*"What makes a child gifted and talented may not always be good grades in school, but a different way of looking at the world and learning." -Chuck Grassley*

SVKM's Dr Bhanuben Nanavati College of Pharmacy has always been at the forefront in nurturing the shelved potential of the students and the faculty members. I am delighted to be a part of this vibrant institute of learning. Our educational system focuses not only on pure academics, but also provides opportunities to each student to explore their curricular, co-curricular, and extra-curricular and entrepreneurship skills. The institute served as an ideal online interactive platform for the students and faculty members to channelize their creativity and serenely express their thoughts. The constant growth in research and academics in the recent past has brought remarkable achievements to our institute. Every milestone achieved would never have been possible without the efforts and cooperation of the Management. Our lifelong objective is to turn the challenges of the changing world into the wisdom of opportunities for the future. I appreciate the efforts of every individual who has been a part of our accomplishments.

**Dr. Munira Momin**

## EDITOR'S DESK

*"The purpose of education is to turn mirrors into windows." – Sydney J. Harris*

Greetings! We are pleased to present to you the fourth edition of our newsletter. We have made tremendous strides to bring you this edition. It would be a snapshot of the various activities, accomplishments and happening in our institute from June-December 2022. In this fast-changing world, every college needs a platform to showcase their work, research and achievements. This newsletter is a great way to know about our institute, its success as well as the various events and competitions conducted. We extend our sincere thanks to our editorial team for shaping this newsletter into an enriching experience for the readers. We hope you enjoy reading this newsletter. This issue of newsletter should inspire all of us for a new beginning, enlighten with hope, confidence and faith in each other in the road ahead.... Happy Reading!

**Dr. Gaurav Doshi and Dr. Maheshkumar Borkar**

## Awards & Recognition



B.Pharm Programme accredited for 6 Years (2017-2023)



Best Industry-Linked Pharmacy Institute Award (2015 & 2017)



Ranked 38<sup>th</sup> at National Level (Pharmacy Category), 2023

## VISION OF THE INSTITUTE



To be recognized as a top institute of pharmaceutical sciences in the country which develops professionally competent and socially sensitive individuals who cater to the needs of higher pharmacy education, research and industry.

## MISSION OF THE INSTITUTE



1. To create and provide congenial environment for higher education and research through well qualified motivated faculty and state of the art infrastructure.
2. To strengthen the learning process through innovative teaching methodology and stimulate professional competency that meet the dynamic needs of the pharmaceutical and healthcare industry.
3. To imbibe in graduates' attributes of inquisitiveness, leadership, sensitivity and responsiveness towards the societal healthcare needs.

## PROGRAMME EDUCATIONAL OBJECTIVES OF THE INSTITUTE

### PEO 1

Graduates equipped with sound pharmacy knowledge lead successful professional life in the pharmaceutical and healthcare industry.

### PEO 2

Graduates pursue higher education in reputed national and international institutes.

### PEO 3

Graduates are professionally competent and socially sensitive contributing to the socioeconomic development of society.

## KEY RECOGNITION & ACHIEVEMENTS BY THE COLLEGE



Approved by AICTE, PCI & DTE



B. Pharm Programme Accredited for 6 Years (AY 2017-2023)



All India Ranking # 38 in (Pharmacy Category) by NIRF Ranking 2023



Best Industry-Linked Pharmacy Degree College Award 2015 & 2017,  
Platinum category 2016, Second Runner up 2022



Best College Trophy in Rx Igenus 2022



State level championship & runner championship at 14th & 15th  
Avishkar Research Convention



Permanent affiliation by University of Mumbai for B.Pharm Program &  
included under 2(f) of the UGC act, 1956



Institute Innovation Council got 3.5 star its First Year of Establishment  
from Ministry of Education's Innovation Cell, Government of India

## NEW INITIATIVES BY COLLEGE (IQAC Activities)

### 1. INTERNATIONAL CONFERENCE: NATURAL SPECIALITY INGREDIENTS CONFERENCE

The institute organized first of its kind international conference on Natural Speciality Ingredients (NSIC 1.0) envisioned and sponsored and co-hosted by ORAH Nutrichem Pvt. Ltd. Pune on March 09-10, 2023 at Mukesh Patel Auditorium, Mumbai. The conference was dedicated to promoting the use of natural ingredients and fostering industry-academia interface. It focused on promotion of natural ingredients in food, nutraceuticals, cosmetics and pharma sectors. This event was attended by 400 plus delegates - industry representatives from India and abroad along with a zealous participation from students across the country.



### 2. EXPLORING FUNDING OPPORTUNITIES FOR RESEARCH AND AN OVERVIEW OF INTELLECTUAL PROPERTY RIGHTS PROTECTION

The institute organized the event on 09th May 2023. The key speaker was Dr. Alka Mehta who is an Associate Professor of Shobhaben Pratapbhai School of Pharmacy and Technology Management. She is working as a Co-Founder, ipEssentia (A law service Firm). She received Master's and Doctoral Degree in Pharmacy and pursued Post Graduate Diploma in Patent Law and Practice.



### 3. INTERNATIONAL CLINICAL TRIAL DAY CELEBRATION

The institute organized the event on 20th May 2023. The event focused on “Exploring the World of Clinical Trials: Opportunities, Challenges and Future Directions” The key speakers were Dr Jamal Baig, Dr Babita Kirodian and Ms Indu Nambiar.



### 4. ALUMNI MEET

The Alumni Meet was organized on 1st April 2023. The highlight of the event was the alumni speech, where two alumni were invited to share their experiences and insights with the audience. The two alumni speakers were Mr. Darshan Shah, who graduated in the year 2008 and is now working as a senior assistant sales manager at Baxter international Inc. and Dr. Niranjan Nene who graduated in the year 2012, after which he went on to pursue his MBBS degree and is currently a general physician in Mumbai.



### 5. STUDENT ACHIEVEMENT

The Students Council was enthusiastically involved in **Rx-Ekansh -2023** conducted by the Indian Pharmaceutical Association, Maharashtra State Branch, Students Forum and recreated history for the 11<sup>th</sup> year by winning the “**Best College Trophy 2023**”. It was a proud moment for the institute to scale all the events with excellence and continue this winning streak for beyond a decade. The college bagged “**Best Cultural**” “**Best Editorial**”, “**Best Technical**”, “**Best Participation**”, was Second Runner Up for ‘**Overall PHO**’ and won Second Place for ‘**World Health Day Campaign**’ and was Second Runner Up for “**PHO Innovation Campaign**”



## FACULTY INVITED TALKS

- **Mr Sankalp Gharat** was invited as resource person to deliver a talk titled “Academia and Pharmaceutical Research” at MET Institute of Pharmacy, Mumbai on 07/01/2023.
- **Dr Munira Momin** was invited as a resource person for Scientific event conducted on “Sustainability” at SVKM's Mithibai College, Mumbai on 25/01/2023.
- **Dr. Tabassum Khan** was invited as a resource person to deliver a talk titled “Plant de-rived immunomodulatory molecules and their potential” at the National Seminar on “Immunomodulation- A strength area in Unani Medicine, The Challenge & Way forward” organized by Regional Research Center in Unani Medicine, Kharghar, Navi Mumbai, on the occasion of “Unani Day” celebration, 06/02/2023.
- **Dr. Munira Momin** was invited as resource person to deliver a talk titled “Two Days National Level Workshop on “Adoption of Guidelines on NHEQF and Curriculum Framework and Credit System for Four-Year Undergraduate Programme” by Dr. D. Y. Patil College of Pharmacy, Akurdi, Pune sponsored by Savitribai Phule Pune University on 13/02/2023.
- **Dr. Tabassum Khan** presented a concept note titled, “Fortified nutraceuticals of Acacia nilotica pods” in Category 1: Granted patents at PHARMA ANVESHAN 2023, organized by the Pharmacy Council of India on the occasion of National Pharmacy Education Day, at Vigyan Bhavan, New Delhi, 06/03/2023.
- **Dr. Arati Prabhu** presented a concept note titled, “Setting up of rapid preliminary in-vitro screens for anticancer activity testing” in Category 3: Promising research at PHARMA ANVESHAN 2023, organized by the Pharmacy Council of India on the occasion of National Pharmacy Education Day, at Vigyan Bhavan, New Delhi, 06/03/2023.
- **Dr. Munira Momin**, Dr. Sujata Sawarkar and Dr. Arati Prabhu presented research concept notes at Pharma Anveshan-2023, held at Vigyan Bhavan in New Delhi organized by the Pharmacy Council of India on the occasion of National Pharmacy Education Day, at Vigyan Bhavan, New Delhi, 06/03/2023.
- **Dr Munira Momin** was invited as resource person to talk titled “India centric funding agencies and how to create research culture in Pharmacy Institutes with NEP perspective” organized by St. John Institute of Pharmacy and Research, Palghar on 12/05/2023.
- **Dr. Arati Prabhu** was an invited as resource person to deliver talk on 'Computer-aided drug design: 3D therapeutic thinking' at the three-day webinar series on theme 'Train the trainer' organised by Association of Pharmaceutical Teachers of India-Maharashtra state Women's forum in collaboration with SCES's Indira College of Pharmacy, Pune on 02/05/2023.
- **Dr. Atul Sherje, Dr. Vasanti Suvarna, Dr. R K Raheja** and **Dr. Gaurav Doshi** were resource persons for “Hands-on Training in Bioanalytical Techniques” program organized by SVKM's Shri C. B. Patel Research Centre, 22/05/2023 to 05/06/2023.
- **Dr. Sandip Zine** was invited as resource person delivered a talk on “How to plan for Start-Up; Legal & Ethical Steps” at Bharati Vidyapeeth's College of Pharmacy, C.B.D., Navi Mumbai on 25/05/2023.



## FACULTY INTERACTION WITH OUTSIDE WORLD

1. **Dr Munira Momin** was invited as Chief Guest at SVKM's Gokalibai school, 1st school of the Mandal on occasion of Annual Day function on 14/01/2023.
2. **Dr Munira Momin** was appointed as an evaluator for oral presentations for the track of "Pharmaceutics" held at 2nd Nirma E-Conference for International Connect (NCIC) – 2023 on the theme of "Recent Advances in Nanotechnology: Drug Discovery & Therapeutics" from 24/01/2023 to 25/01/2023.
3. **Dr. Arati Prabhu** conceptualized and initiated the conduct of 30-hr hands-on professional certificate course on Computer-Aided Drug Design for Shri C.B. Patel Research Center, Mumbai.
4. **Dr. Sandip Zine** was invited as a judge for evaluating oral presentations of scientific session during a One-day National Level Conference on "Pharmacy: A Profession contributing to Research, Innovations and Community" organised by Indira Institute of Pharmacy, Sadavali, Ratnagiri in collaboration with APTI, Maharashtra state branch on 07/01/2023.
5. **Dr. Atul Sherje** was appointed as external examiner for S Y B Pharm (Sem. III) Pharmaceutical Organic Chemistry Practical examination at WPU School of Pharmacy, Pune on 07/01/2023, 09/01/2023 and 10/01/2023 (Online).
6. **Dr Lokesh Bhatt** was expert on the selection committee for appointment to the posts of Assistant Professors in H. K. College of Pharmacy, Jogeshwari (West), Mumbai on 12/01/2023.
7. **Dr Lokesh Bhatt** was expert on the selection committee for appointment to the posts of Assistant Professors in Oriental College of Pharmacy, Jogeshwari (West), Mumbai on 13/02/2023.
8. **Dr. Arati Prabhu** was invited as VC nominee and subject expert on the Staff Selection committee for the posts of Associate Professor and Assistant Professor in Pharmaceutical chemistry and Pharmaceutical analysis at MET Institute of Pharmacy on 15/02/2023.
9. **Dr. Sujata Sawarkar** was VC nominee for the selection of posts at MET College of Pharmacy, Mumbai on 15/02/2023.
10. **Dr. Sujata Sawarkar** was invited as LIC Inspection member at Shri Pandit Baburao Chaughule College of Pharmacy, Bhiwandi by University of Mumbai on 09/03/2023.
11. **Dr. Sujata Sawarkar** attended Academic council meeting of Institute of Chemical Technology, Mumbai on 22/02/2023.
12. **Dr. Sujata Sawarkar** was VC nominee for the selection of posts at Yashwant Bhonsale College of Pharmacy, Mumbai on 15/02/2023.
13. **Dr. Arati Prabhu** was invited as VC nominee and subject expert on the Staff Selection committee for the posts of Associate Professor Department Pharmaceutical Chemistry/ Assistant professor Pharmaceutics and Pharmacy at SVB's College of Pharmacy, Dombivli (East), Mumbai on 09/03/2023.
14. **Dr. Tabassum Khan** was external examiner for Semester VIII examination and viva voce PP8001: Project Work at Mumbai Educational Trust's Institute of Pharmacy, Bandra, Mumbai, 11/04/2023 to 13/04/2023
15. **Dr. R K Raheja** was an examiner for F Y B Pharm, Pharm Org Chem Practical-I at C U Shah College of Pharmacy held on 24/03/2023.
16. **Dr. Mahesh Kumar Borkar** was invited as examiner at Dutta Meghe College of Pharmacy, Wardha, Maharashtra on 29/03/2023 to 02/04/2023.
17. **Dr. Lokesh. Bhatt** was invited by Agency of Health Quality and Assessment of Catalonia for reviewing research project on 26/05/2023.
18. **Dr Munira Momin** and **Dr Tabassum Khan** visited IIT -Delhi for DST-FIST review meeting presentation on 13/05/2023.
19. **Dr Munira Momin, Dr Sujata Sawarkar, Dr R K Raheja** and **Dr Mahesh Kumar Borkar** visited SVKM's Mithibai College, for guiding the faculty team members of the college for NAAC preparation on 22/05/2023.
20. **Dr. R K Raheja** was appointed as external examiner for conducting viva-voce for Project work of Final Year B Pharm at Bombay College of Pharmacy on 26/05/2023.
21. **Dr. Vasanti Suvarna** and **Dr. R K Raheja** had visited PGCL for their NAAC documentation review on 22/05/2023.

## FACULTY ACHIEVEMENTS

### 1. Awards

- **Dr Sujata Sawarkar received “Star Alumnus Award for her outstanding contribution to the profession of pharmacy” by S.N.D.T. Women's University, Juhu Campus on occasion of the 43<sup>rd</sup> Annual day celebration held on 10/02/2023.**



- **Dr. Sujata Sawarkar and Ms. Trinette Fernandes were awarded for “Best Women Centric Project and Best Local Area Impact Project at Accelerating Technology Commercialization ATC 2.0” held at IIT Bombay Powai from 09/03/2023 to 11/03/2023. (The projects were selected from 12 top projects funded by Rajiv Gandhi Science and Technology Commission).**





- **Dr. Prabha Singh** received Best Faculty Award AUBE, the BNCP Annual Day, Mumbai on 28/03/2023
- **Mr. Sankalp Gharat** received PROMISING Young Faculty Award and Best Research Grant Writing Award- AUBE, the BNCP Annual Day, Mumbai on 28/03/2023.
- **Dr. Prabha Singh** received the “BNCP Shining Star Award 2022” at AUBE, the BNCP Annual Day, Mumbai on 28/03/2023
- **Dr. R K Raheja** received the “BNCP Shining Star Award 2022” at AUBE, the BNCP Annual Day, Mumbai on 28/03/2023.
- **Dr. Atul Sherje** received the “BNCP Shining Star Award 2022” at AUBE, the BNCP Annual Day, Mumbai on 28/03/2023.
- **Dr Manisha Oza** received the “BNCP Shining Star Award 2022” at AUBE, the BNCP Annual Day, Mumbai on 28/03/2023.
- **Dr Gaurav Doshi** received the “BNCP Shining Star Award 2022” at AUBE, the BNCP Annual Day, Mumbai on 28/03/2023.
- **Dr. Maheshkumar Borkar** received the “BNCP Shining Star Award 2022” at AUBE, the BNCP Annual Day, Mumbai on 28/03/2023.
- **Dr Munira Momin** successfully completed 1<sup>st</sup> PhD student Ms Darakshan Shaikh defence viva-voce examination on 11/05/2023.
- **Dr. Tabassum Khan** was awarded the “Erasmus+ Teaching Mobility Fellowship (KA107 USAMV Cluj)” at the Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, 3-5 Manastur, Cluj-Napoca, 400372, Romania for the year 2023-24.



## 2. Paper Presentation Awards

- **Dr Sujata Sawarkar mentored** Ms. Trinette Fernandes & Ms. Mansi Damani for paper presentation at Controlled Release Society Indian Chapter at 21<sup>st</sup> International Symposium on Advances and Technology and Business potential on New Drug Delivery Systems titled as “Design and Development of Disulfarim loaded Vaginal Nanocarrier System for Cervical Cancer” (**3<sup>rd</sup> Prize**).
- **Dr. Munira Momin** mentored Divyashree Prabhu for poster presentation at International Natural Specialty Ingredients Conference (NSIC) held in association with Orah Nutrichem Pvt. Ltd. on 9th -10th March 2023 for the paper entitled “Hydrogel Sponges as Supportive Treatment for Burn Wounds” (**Gold Prize**).
- **Dr. Munira Momin** mentored **Mr. Sankalp Gharat** for poster presentation at International Natural Specialty Ingredients Conference (NSIC) held in association with Orah Nutrichem Pvt. Ltd. on 9th -10th March 2023 for the paper entitled “Cyclosporine-Curcumin-Loaded Castor Oil and Fenugreek Oil-Based Nanoemulgel for The Management of Rheumatoid Arthritis”. (**Silver Prize**).
- **Dr. Meenal Rane** mentored Mr. Amogh Bhanushali for NSIC Ideation I3 at International Natural Specialty Ingredients Conference (NSIC) held in association with Orah Nutrichem Pvt. Ltd. on 9th -10th March 2023 for the paper entitled “Supercritical Antisolvent Process for Effective Extraction of Anise Oil from Pimpinella Anisum”. (Silver Prize).
- **Dr. Tabassum Khan** mentored Ms. Kaksha Sankh and Mrunal Jadhav for NSIC Ideation I3 competition at International Conference: Natural Speciality Ingredients Conference jointly organised by SVKM's Dr. Bhanuben Nanavati College of Pharmacy and ORAH Nutrichem Pvt. Ltd. during 09/03/2023 to 10/03/2023 (**1<sup>st</sup> Prize**).
- **Dr. R K Raheja** mentored Ms. Advika Talekar and Ms. Anushka Shroff for poster presentation (Medicinal Chemistry Category) at the intercollegiate Rx festival Ekansh 2023, organised by Indian Pharmaceutical Association, Maharashtra State on 12/03/2023 (**1<sup>st</sup> Prize**).
- **Dr. Arundhati Abhyankar** mentored Simran Patel, Prachi Jain, Anushka Waingankar and Khushi Sandha for Oral presentation (Medicinal Chemistry) at the intercollegiate Rx festival Ekansh 2023, organised by Indian Pharmaceutical Association, Maharashtra State on 12/03/2023 (**2<sup>nd</sup> Prize**).

## 3. Grants and Travel assistance received

- **Dr. Arati Prabhu** received RGSTC grant of Rs. 4.95 lakhs for a collaborative research project as Co-PI, titled, “Engineering colon-targeting complex coacervates for cancer chemotherapy using indigenous gums from Konkan region” by RGSTC, Maharashtra State through University of Mumbai in collaboration with SJIPR. (24 months).
- **Dr. Mahesh Kumar Borkar** received Travel assistance of Rs. 11259/- from SVKM management to attend International Conference on Drug Discovery 2022, jointly organized by BITS Goa and Schrodinger, 08/11/2022 to 10/11/2022.
- **Dr. Atul Sherje** received Travel assistance of Rs 12759/- from SVKM management to attend International Conference on Drug Discovery 2022, jointly organized by BITS Goa and Schrodinger, 08/11/2022 to 10/11/2022.
- **Dr. Sujata Sawarkar** received research grant of Rs 70,800/- titled as “HET CAM Studies” to assess skin irritation of skin and hair products from Emami Ltd.

#### 4. MoU signed

1. Dr. Sandip Zine signed MoU with Healthykor Private Limited with objective to create environment for startup and business management for students on 21/01/2023.
2. Dr. Sandip Zine was invited to sign MOU and visit to Flagship Biotech International, with Ophthalmic preparations, anesthesia, critical, dermatological, dental, ENT, and veterinary products on 22/01/2023

### FACULTY PUBLICATIONS

1. Tiwari D and **Khan T.** Phytochemical screening, antioxidant and anti-inflammatory activity of *Litsea ghatica* stem bark. *Indian Drugs*, 2023, 60 (01): 44-49. **(Scopus)**
2. Nadar S and **Khan T.** Molecular docking, PASS prediction, pharmacokinetic and toxicity studies of focal adhesion kinase inhibitors. *Med Sci Forum*. 2022;14(1):65. **(MDPI Conference proceedings)**
3. Punmiya A, **Prabhu A.** Structural fingerprinting of pleiotropic flavonoids for multifaceted Alzheimer's disease. *Neurochem Int*. 2023 Feb; 163:105486. **(IF:4.297)**
4. **Maheshkumar Borkar, Arati Prabhu,** Abhishek Kanugo and Rupesh Gautam published a book chapter titled "Pharmacophore Modelling" in a book titled *Computational Approaches in Drug Discovery, Development and Systems Pharmacology*, by Elsevier Inc. First Edition, Jan 26 2023. **(Book chapter)**
5. **Prachi Pimple,** Shruti Dudhat and **Prabha Singh;** Insights of Lipid Vesicular and Particulate Carrier Mediated Approach for Acne Management. *Curr Drug Deliv*. 2022;20(1):57-74. doi: 10.2174/1567201819666220524154448. PMID: 35611775 **(IF: 3.758)**
6. Urvashi Panchal, **Sankalp Gharat, Munira Momin;** "Exploring the potential of Stem Cell Therapy for management of Rheumatoid Arthritis- Opportunities, Challenges and Future Prospective" Association of Pharmaceutical Teachers of India (APTI) women's forum Newsletter, Aug-Dec 2022, pg. no-44. **(Scopus)**
7. Aaliya Liyakath Ali, Namrata Nailwal, **Sujata Sawarkar** and **Gaurav Doshi** published book chapter "Natural Immunomodulators for Infections and Other Diseases" 2022, 245-276, in book entitled as *Natural Immunomodulators: Promising Therapy for Disease Management*, Bentham Science Publishers. **(Book chapter)**
8. Alveera Ansari, Namrata Nailwal, **Sujata Sawarkar** and **Gaurav Doshi** published book chapter "Marketing Strategy & Regulatory Perspective for Natural Immunomodulators" 2022, 325-368, in book entitled as *Natural Immunomodulators: Promising Therapy for Disease Management*, Bentham Science Publishers. **(Book chapter)**
9. Mansi Damani, **Prabha Singh, Sujata Sawarkar** published book chapter "Delivery of Challenges and Novel Approaches" 2022, 277-310, in book entitled as *Natural Immunomodulators: Promising Therapy for Disease Management*, Bentham Science Publishers. **(Book chapter)**
10. Parab A, **Bhatt LK,** Omri A. Targeting Epigenetic Mechanisms: A Boon for Cancer Immunotherapy. *Biomedicines*. 2023 Jan 9;11(1):169. **(Impact factor:4.757)**
11. Surendran G, **Sherje AP.** Biomedical Applications of Agar and its Composites: A Mini-Review. *Nat Prod J*. 13 (5), 2023, 23 - 30. **(Scopus)**
12. Likhar R and **Khan T.** Design, Synthesis, Molecular Docking Studies, and Biological Evaluation of 1, 3, 4-oxadiazol-3(2H-yl) Ethan-1-one Derivatives as Antimicrobial Agents. *Med Sci Forum*. 2023;14(1):143. **(MDPI Conference proceedings)**

13. Jadhav M, **Prabhu A**. Metallic and polymeric green nanoplatfoms in oncology. *J Appl Microbiol*. 2023 Jan 23;134(1): 1xac044. (IF: **4.061**)
14. Solanki A, Savla SR, **Borkar MR, Bhatt LK**. Sulfamethizole attenuates poloxamer 407-induced atherosclerotic neointima formation via inhibition of mTOR in C57BL/6 mice. *J Biochem Mol Toxicol*. 2023 Feb 17: e23322. (IF: **3.568**)
15. Parab S, **Doshi G**. The Experimental Animal Models in Psoriasis Research: A Comprehensive Review. *Int Immunopharmacol*. 2023 Feb 21; 117:109897. (IF: **5.714**).
16. Ved H, Doshi G, Bhatia N, Kale P. Metoclopramide as a Potential Antipsychotic Against Long-Term Methionine Exposure in Zebrafish. *Zebrafish*. 2023 Feb;20(1):19-27. (IF: **2.229**)
17. Gaikwad S and **Khan T**. Phytochemistry and antibacterial activity of traditional medicinal plant *Ziziphus rugosa* LAM". *Indian Drugs*, 2023, 60 (03): 40-46. (Scopus)
18. Mehta K, **Khambete M, Abhyankar A**, Omri A. Anti-Tuberculosis Mur Inhibitors: Structural Insights and the Way Ahead for Development of Novel Agents". *Pharmaceuticals*. 2023, 16(3):377. (IF: **5.215**)
19. **Gharat Sankalp**, Vivek Basudkar, **Munira Momin**, and **Arati Prabhu**. Mucoadhesive Oro-Gel-Containing Chitosan Lipidic Nanoparticles for the Management of Oral Squamous Cell Carcinoma. *Journal of Pharmaceutical Innovation* (2023): 1-18. (IF: **2.538**)
20. **Doshi Gaurav, Bhatia Nirav, Ved Hemen, Pandya Aditya, Kulkarni Duttraj, Naik Janhavi, Bandiwadekar Tejal, Godad Angel and Kale Pravin**, Update on Oxytocin, Phosphodiesterase, Neurokinin, Glycine as a Therapeutic Approach in the Treatment of Schizophrenia, *CNS & Neurological Disorders - Drug Targets* 2023; 22(7): 994-1007. (IF: **2.824**)
21. Bhatia Yogesh Nirav, Jalgaonkar Prabhakar Manjiri, Hargude Anuja Balu, **Sherje P. Atul, Oza Jignesh Manisha** and **Doshi Mahesh Gaurav\***, Gut-Brain Axis and Neurological Disorders-How Microbiomes Affect our Mental Health, *CNS & Neurological Disorders - Drug Targets* 2023; 22(7): 1008-1030. (IF: **2.824**)
22. Suvarna V, Chippa S. Current Overview of Cyclodextrin Inclusion Complexes of Volatile Oils and their Constituents. *Curr Drug Deliv*. 2023;20(6):770-791. (Scopus)
23. Sankhe K and **Khan T**. Book chapter titled, Snow Ear (Tremella fuciformis) in Book titled, Mushrooms; Nutraceuticals and Functional Foods, Edited by Deepu Pandita, Anu Pandita; CRC Press, Taylor & Francis group. (Book chapter)
24. Khushali Nathani, Madhura Mulkutkar, Vandana S. Nikam, **Sujata P. Sawarkar**, Clinical Impact of the Phytoconstituents: An Emerging Frontier in the Treatment of Osteosarcoma published in APTI Women's Forum News Letter Jan-April 2023 page 8, (Special issue on Bone Targeted delivery systems).
25. Yogesh Nimbalkar, **Sankalp Gharat**, Vidhi Tanna, Vandana Nikam, Swapna Nabar and **Sujata Sawarkar**, Modification and functionalization of polymers for targeting to bone cancer and bone regeneration in Critical Reviews in Biomedical Engineering, (Scopus)
26. Desai RM, Desai N, **Momin M, Bhatt LK**. Sorafenib Loaded Resealed Erythrocytes for the Treatment of Hepatocellular Carcinoma, *Recent Advances in Drug Delivery and Formulation* 2023; 17(1):61-70. (Scopus)
27. **Suvarna Vasanti**, Raut Adishri, Analytical Methods for the Determination of Atypical Antipsychotic Drugs - An Update, *Current Analytical Chemistry* 2023; 19(2): 147 - 175. (IF: **2.374**)
28. **Suvarna V**. Ivermectin: A Critical Review on Characteristics, Properties, and Analytical Methods. *Journal of AOAC International*, 106 (3): 534–557. (IF: **2.028**)
29. Dangre P V, Borase H P, Gunde M C, Pethe A M, **Borkar M R**. Deep Eutectic Solvents: Fundamental Aspect, Characterizations and applications. *Recent Advances in Drug Delivery and Formulation*. 2022, 17 (1): 3-12. (Scopus)

30. Dangre P V, Korekar P P, **Borkar M R**, Chaturvedi K, Borikar S P, Pethe A M. Tailoring Deep Eutectic Solvents to Provoke Solubility and Bioavailability of Naringin: Implications of a Computational Approach". ACS Omega. 2023;8(14):12820-9. (IF: 4.132)
31. Bhavsar C, Joshi R, Fernandes T, Chandramouleeswaran S, **Khan T**, Hassan PA, **Momin M**, Ningthoujam RS. Glutathione-Capped Hollow Silver Nanoparticles: Optimization of Surface Plasmon Resonance, Photothermal Effect, and In Vitro and In Vivo Biocompatibility. ACS Applied Nano Materials. 2023 May 19

## FACULTY PATENTS

Faculty members have four patents granted, four provisionally and one trademark filed in last six months.

Name of the faculty	Details
<b>Dr. Munira Momin</b>	<ol style="list-style-type: none"> <li>1. Granted Indian Patent (No. 429093) titled "A near infra-red (NIR) fluorescence sensor for the selective detection of pathogenic protein agglomerates"</li> <li>2. Granted Indian Patent (No. 428583) titled "Microemulsion based nail lacquer for onychomycosis"</li> <li>3. Filed a provisional patent with application no 20232100312 A novel electro spun nanofiber scaffold of pirfenidone on 16/01/2023.</li> <li>4. Granted Indian Patent (No. 409514) titled "MODIFIED DRUG DELIVERY SYSTEM" on 20/10/2022.</li> </ol>
<b>Dr. Tabassum Khan</b>	Filed trademark application in class 5 vide application no. 5850262 on 16/03/2023.
<b>Dr. Sujata Sawarkar</b>	<p>Granted Indian Patent (No. 409514) titled "MODIFIED DRUG DELIVERY SYSTEM" on 20/10/2022.</p> <p>Filed a provisional patent with application no 2023213619 titled "Freeze-dried Antiviral and Immunomodulator loaded nanoparticles and formulation thereof" on 18/01/2023.</p>
<b>Dr. Meenal Rane</b>	Granted Indian Patent no. IN 202221035219 A titled "Topical film forming spray comprising essential oil" on 02/02/2023.
<b>Dr. Madhavi Apte</b>	Filed a provisional patent with application no 202321007178 titled "Sun Protective Composition, on 03/02/2023.
<b>Dr Sandip Zine</b>	Published patent with application no 202321023865 titled "Nicotine Replacement Therapy mimicking tobacco-containing smokeless products" on 30/03/2023.



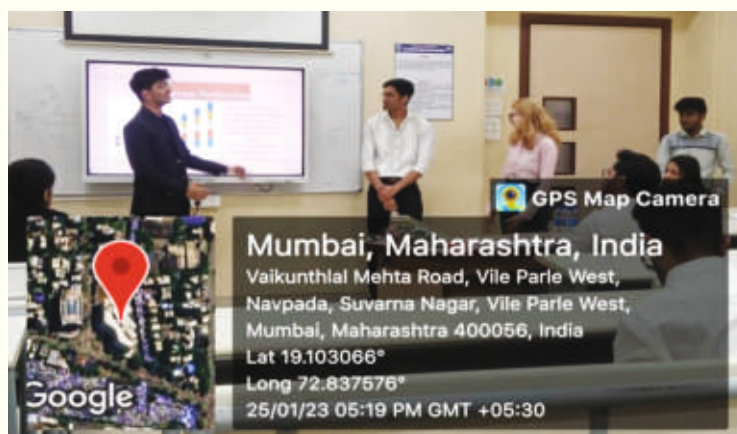
Indian Patent (No. 429093) titled "A near infra-red (NIR) fluorescence sensor for the selective detection of pathogenic protein agglomerates"  
 Ms. NIYATI MUDLIAR, Ms. OSHIN WAREKAR,  
 Dr. MUNIRA MOMIN

Granted Indian Patent (No. 428583) titled "Microemulsion based nail lacquer for onychomycosis"  
 Dr. MOMIN MUNIRA & Ms. AMRA KESRIN

## STUDENT ACTIVITIES AND EVENTS

### Institute Innovation Council Activities

- Moot Court Event on 05/01/2023. The judge for the competition was Adv. Ms. Bhagyashri Ranade who has pursued L.L.B, Postgraduate Diploma in Law (PGDL) in Securities Laws and currently practicing in Bombay High Court.



- Workshop on “Entrepreneurship skill, attitude and behaviour development” by Mr. Nitin Patil, Director, Uttung Bharari Foundation for FYB Pharm on 18/01/2023.



- 7th edition of **PARISHODHANA**, an intercollegiate event of industry defined problem was held on 21/02/2023. Target audience: 42+



***The winners of the competition were:***

- 1st Position- Bombay College of Pharmacy; Participants- Ms. Aditi Ranade, Mr. Harshal Hatzade and Mr. Krish Mistry
- 2nd Position- SVKM's Dr. Bhanuben Nanavati college of Pharmacy; Participants- Mr. Mohammed Akif Shaikh, Ms. Nikita Bhanushali, Ms. Shrushti Tanna and Mr. Vikrant Hatwar
- 3rd Position- H.K college of Pharmacy; Participants- Mr. Shaikh Mohd Fareed Mohd Firoz, Ms. Mahima R Salian, Ms. Poonam Rajendra Yadav and Mr. Shivchandra Pitambar Mukhiya
- 3rd Position- SVKM's Dr. Bhanuben Nanavati College of Pharmacy; Participants- Ms. Ketaki Karalkar and Mr. Moin Khan

- National technology Day Celebration on 13/05/2023.



## FACULTY AND STUDENT PRESENTATIONS

### A] ISFCON-2023 Two Day National AICTE sponsored Conference "Commercialization of Natural Products" organized by ISF College of Pharmacy Moga from 10/02/2023 to 11/02/2023.

1. Dr Madhavi Apte presented on the topic titled as "The study of phytochemical and biological activity of *Delonix regia* leaf extract".
2. Dr. Madhavi Apte mentored Mr. Aayush Kumar on the topic titled as "Design, development and evaluation of sunscreen formulation from vegetable oils"
3. Dr Munira Momin mentored Ms. Manasi Damani on the topic titled as "Enhancing Glioblastoma Treatment using functionalized hollow gold nanoparticles"
4. Dr. Sujata Sawarkar mentored Ms. Trinette Fernandes & Ms. Mansi Damani on the topic titled as "Design and development of Disulfiram loaded vaginal nanocarrier system for Cervical Cancer" (3<sup>rd</sup> Prize)
5. Dr. Sujata Sawarkar mentored Ms. Khushali Nathani for the topic titled as "Novel combinatorial topical drug delivery system for the management of rheumatoid arthritis"
6. Dr. Sujata Sawarkar mentored Ms. Madhura Mulkutkar and Mr. Mohammad Manasiya for the topic titled "Formulation, development and characterization of novel topical delivery system for ocular surface disease"

### B] International Conference: Natural Speciality Ingredients Conference jointly organised by SVKM's Dr. Bhanuben Nanavati College of Pharmacy and ORAH Nutrichem Pvt. Ltd. during 09/03/2023 to 10/03/2023.

1. Dr Munira Momin mentored Ms. Manasi Damani for the topic titled as "Curcumin Nanocarriers for management of Inflammatory Bowel disease"
2. Dr. Tabassum Khan mentored Ms. Kaksha Sankh and Ms. Mrunal Jadhav for the topic titled as "Fortified nutraceuticals of *Acacia nilotica* pods-a healthy product for geriatric patients"
3. Dr. Tabassum Khan mentored Ms. Sehba Ghaswala and Mr. Sadaf Hashmi for the topic titled as "Formulation development and evaluation of polyherbal anti-ulcer gel"
4. Dr. Tabassum Khan mentored Ms. Bhagyashree Karle, Ms. Avantika Kathare, Mr. Ritik Kesarwani for the topic titled as "Obesity- an attractive polyherbal product for weight management"
5. Dr. Tabassum Khan mentored Mr. Rushikesh Mali, Mr. Nagesh Nilawar for the topic titled as "Combating ulcer with a novel polyherbal gel"
6. Dr. Tabassum Khan mentored Mr. Ritik Kesarwani, Mr. Jay Chachad, Mr. Shidhanto Dey for the topic titled as "Cuttlefish bone face peel off mask for acne mark"
7. Dr. Tabassum Khan mentored Mr. Nagesh Nilawar and Mr. Deepika Tiwari for the topic titled as "Phytochemical screening, antioxidant, and anti-inflammatory activity of *Litsea ghatica* stem bark"
8. Dr. Mahesh Borkar mentored Mr. Jay Chahad and Mr. Satyam Dengada for the topic titled as "Design and Preparation of Deep Eutectic Solvent to enhance the solubility of BCS Class-II Drug"
9. Dr. Radhika Raheja mentored Ms. Advika Talekar and Ms. Anushka Shroff for the topic titled as "Exploration of cytotoxic potential of extracts of *Cleome gynandra*"
10. Dr. Munira Momin mentored Ms. Divyashree Prabhu for the topic titled as "Hydrogel Sponges as Supportive Treatment for Burn Wounds" (Gold Prize)
11. Dr. Munira Momin mentored Mr. Sankalp Gharat for the topic titled as "Cyclosporine-Curcumin-Loaded Castor Oil and Fenugreek Oil-Based Nanoemulgel for The Management of Rheumatoid Arthritis" (Silver Prize)
12. Dr. Meenal Rane mentored Mr. Amogh Bhanushali for the topic titled as "Supercritical Antisolvent Process for Effective Extraction of Anise Oil from *Pimpinella Anisum*" (Silver Prize)



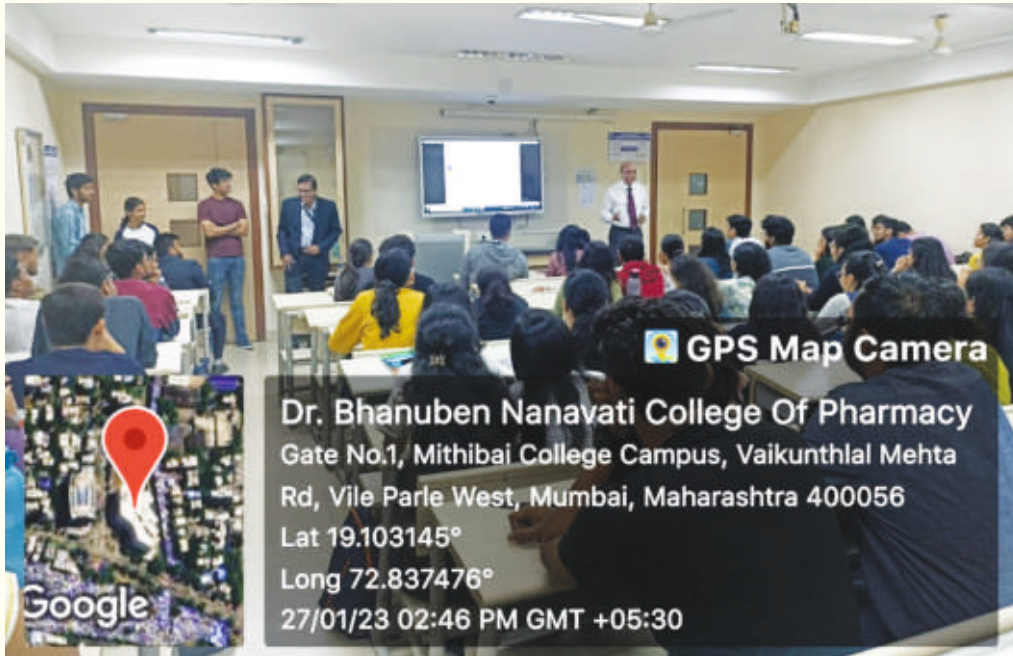
13. Dr. Sujata Swarkar mentored Ms.Madhura Mulkutkar for Ideation I3 topic titled as “Essential Oil containing Alcohol free Mouth Wash for Oral Hygiene” **(Selected in Final Round)**
14. Dr. Sujata Swarkar mentored Ms.Khushali Nathani for the topic titled as “Design and Development of Transdermal Vitamin D3 based microemulsion gel for Malnutrition management”
15. Dr. Meenal Rane mentored Ms. Sweety Chheda, Ms.Urvashi Parmar for the topic titled as “Phytosomal Dry Syrup for Weight Management”
16. Dr. Meenal Rane mentored Ms. Nandini Bhanushali, Ms. Hiral Khuman, Ms. Isha Chudasama, Ms. Dhvani Dawda for the topic titled as “Nutralip Care”
17. Dr. Meenal Rane mentored Ms. Purva Vaishampayan, Ms.Sweety Chheda for the topic titled as “Topical Co-Delivery of Tamoxifen Citrate and Fennel Oil Through PLGA Nanoparticles For Management Of Breast Cancer”
18. Dr. Meenal Rane mentored Mr.Shubam Tonape for the topic titled as “Design, Development and Evaluation of Novel Herbal Based Anti-Migraine Oral Film”
19. Dr. Meenal Rane mentored Ms. Khushi Shailesh Parmar and Ms. Drishti Salian for Ideation I3 topic titled as “Let's Date: Decafe”
20. Dr. Meenal Rane mentored Mr.Shloka Rajyaguru,Ms. Rushika Siddhpura, Ms. Poonam Rathod and Mr.Shreyash Sangalgikar for Ideation I3 topic titled as “Movit-E for Bone Health”
21. Dr. Prabha Singh mentored Ms. Divya Dubey for the topic titled as “Nanoemulgel an effective drug delivery system for rheumatoid arthritis”
22. Dr. Prabha Singh mentored Mr. Shrikant Nair for the topic titled as “Betamethasone Dipropionate loaded NLC incorporated into Jojoba oil gel for the management of atopic dermatitis”
23. Dr. Prabha Singh mentored Mr. Nipun Panchal for the topic titled as “Development and characterization of Quercetin and Aceclofenac loaded nanoemulgel for treatment for rheumatoid arthritis”
24. Dr. Madhavi Apte mentored Mr. Parth Mishra, Mr. Kunj Dave, Ms. Nikita Purav for the topic titled as “Natural drug encapsulated with natural nanocarrier”
25. Dr. Madhavi Apte mentored Mr. Nishigandha Mr.Nadavade, Sohil Seikh for the topic titled as “Effect of beetroot on performance of athletes”.
26. Dr. Madhavi Apte mentored Mr.Aayush Kumar for the topic titled as “Design, development and evaluation of herbal antioxidant sunscreen cosmeceutical”.
27. Dr. Rashmi Mallya mentored Mr. Farooque Shaikh, Ms. Juhi Desai for the topic titled as “Development of green coffee bean extract loaded anti-aging liposomal gel”
28. Dr. Rashmi Mallya mentored Mr. Ritika Patil, Ms. Beena Naik for the topic titled as” Formulation and evaluation of *Nigella sativa* capsules for its potential anti-obesity “
29. Dr. Rashmi Mallya mentored Ms. Bhakti Sawant for the topic titled as as “Evaluation of antioxidant and toxicity profile of *Zanthoxylum rhetsa* fruit and leaf extract.
30. Dr. Rashmi Mallya Ms. Soha Khan, Ms. Nidhin Sreekumar, Ms. Tanmay Lohiya for the topic titled as “Preparation of hydrogel for psoriasis using *Aloe vera* and Liquorice extracts and evaluation of autoinflammatory activity of extracts”.



## TRAINING AND PLACEMENTS CELL ACTIVITIES

### I] Industry-Linked Activities:

- Expertise in Pharma Marketing and Management on 27/01/2023. The key speakers were Dr. Suneel Deshpande & Dr. Ulhas Karkhanis.



- Marketing Strategy & Pharmacoeconomics in INDIA and USA on 11/02/2023. The key speaker was Mr. Balaji Iyer.



## GENERAL EVENTS OF THE COLLEGE

1) Ebullience Editorial events held on 05/01/2023 and 06/01/2023.



2) Ebullience Technical events held on 05/01/2023, 06/01/2023 and 25/01/2023.



3) Ebullience Sports events held on 25/01/2023 and 26/01/2023.



4) Freshers Party' for First Year B. Pharm, Second Year Lateral Entry B. Pharm students and First Year M. Pharm was conducted on 16/02/2023 and 24.02/2023.



5) 'AUBE 2023' on 28/03/2023.



## DAYITVA SOCIAL SENSITIVITY CELL EVENTS

1. Dayitva Camp Donate-istaan was conducted on 19/01/2023 which qualified for the pre-final round of Glenmark Nutrition Awards-23. The camp was organized for the villagers of Katarikawadi village, Jambhulwadi in Shahpur district, who were educated on the benefits of proper nutrition and how to meet their nutritional needs using local resources. 135 families were benefited.



2. Dayitva's 'Paint the Cause' camp held on 19/02/2023 on the street walls of Borivali West. The theme was focused on giving colourful strokes that gave out thought provoking social messages and awareness related to Equality. The number of participants were 150.



3. D.A.R.E - Drug Abuse Resistance Education” organized by the PHO and Dayitva committees to celebrate the Birth Anniversary of Prof. M. L. Shroff and National Pharmacy Education Day on 06/03/2023. The location were Location: Sandhurst Road, Juvenile Home.



## PHO ACTIVITIES

- Two-Day Blood donation and Thalassemia Screening Camp in collaboration with Rotary Club of Bombay West and association with Shri C. B. Patel Research Centre through Rotary D G Goenka Blood Bank on 23/01/2023 and 24/01/2023.



- Rx PHO camp World Braille Day Camp 'Nazar Aur Nazariya' on 06/01/2023. The camp was based on the theme of 'Celebrate, Educate, empower' and to spread awareness about braille and sensitize the students and the general public.

**Location 1: Pragati Andha Vidyalaya, Badlapur**  
**Target Audience: 45+**



Location 2: KD Vora Industrial Home for Blind Women, Andheri.

Target Audience: 25+



Location 3: Growels 101 Mall, Kandivali

Target Audience: 80+





- Rx PHO Innovative Camp, "Guardians of the Health World" on 27/01/2023 and 28/01/2023. The tag line of the camp was 'A journey to Advocating Health Literacy and Prevention of Diseases.' The aim of the camp was to create awareness 'Health Literacy' and to sensitize the general public towards this topic.

**Target audience: 300+**



- PHO Community Outreach Camp "Operation ARMMAN[AA1] - Ad-vancing Reduction in Mortality and Morbidity of Mothers, Children and Neonates", conducted on 18/02/2023. It focused on issues related to maternal and newborn mortality in order to inform and educate the underprivileged about the risks involved and preventative measures that may be taken.

**Target audience: 150+**



Location 1: Anganwadi, Dahisar East



Location 2 - Dahisar Slums





MOTIVATION | LEADERSHIP | SENSITIVITY

*“Learning gives creativity  
Creativity leads to thinking  
Thinking provides knowledge  
Knowledge makes you great.”*

*— Dr. A.P.J. Abdul Kalam*

## EDITORIAL BOARD

Editor : Dr. Gaurav Doshi and Dr. Maheshkumar Borkar



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DTE Institute Code: PH 3228

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