



Prabodhan Shikshan Prasarak Sanstha's  
**INDIRA INSTITUTE OF PHARMACY**

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SADAVALI, DEVRUKH, 415804

NAAC Accredited

NAAC accredited Pharmacy institute in Konkan region

# Footprints of IIPians

A Biannual Newsletter



Programs : D Pharm | B Pharm

Associated with the Energy Swaraj Foundation

Received the recognition under section 2(f) of UGC Act 1956 from UGC, New Delhi



ACCREDITED BY NAAC



AICTE – CII Survey 'GOLD' Ranking 2018



Confederation of  
Indian Industry




ACCREDITED BY NAAC      AICTE CII "GOLD" RANKING 2020

विश्वविद्यालय अनुदान आयोग  
University Grants Commission  
quality higher education for all

We are happy to announce that,  
Prabodhan Shikshan Prasarak Sanstha's  
Indira Institute of Pharmacy, Sadavali received the recognition under  
Section of 2(f) of the UGC Act, 1956  
From University Grant Commission (UGC), New Delhi

We sincerely thank our Management, staff,  
students, parents and well wishers  
Principal, IIP, Sadavali

We are happy to share our recognition under section 2(f)  
of UGC Act 1956 from UGC, New Delhi.

### Editor's Message

It gives me an privilege to presenting you the third volume of college bulletin "Footprints of IIPians" creative edge by the students. It is a amazing experience! Similarly, when things move in perfect coordination with each other, it is bound to create harmony. I extremely feel proud & honored to be a part of this amazing creation. I extend my sincere appreciation to editorial team for their contribution.

Mr. Vipul A. Sansare (Asst. Professor of Pharmaceutics & Editor in Chief of IIP Bulletin)

### VISION

To be a prime source of pharmaceutical education in Konkan region for developing globally competent and professional Pharmacists.

### MISSION

1. To imbibe scientific and technical knowledge with ethical values to our students.
2. To impart personality development skills to the students.
3. To encourage and support faculty as par with the recent trends in Pharma profession.
4. To contribute to the national health care system by providing competent Pharmacists.

### IN THIS ISSUE

- Students achievements
- Staff achievements
- NSS and UBA activities
- Publications

## Activities @JJP

The induction programme for F.Y.B. Pharmacy students was conducted through virtual mode to make them familiarize with the rules and regulations of the Institute.



"World Environment Day",  
Students and faculty celebrated this day by marching to achieve 1 person 1 plant mission as a contribution towards environment

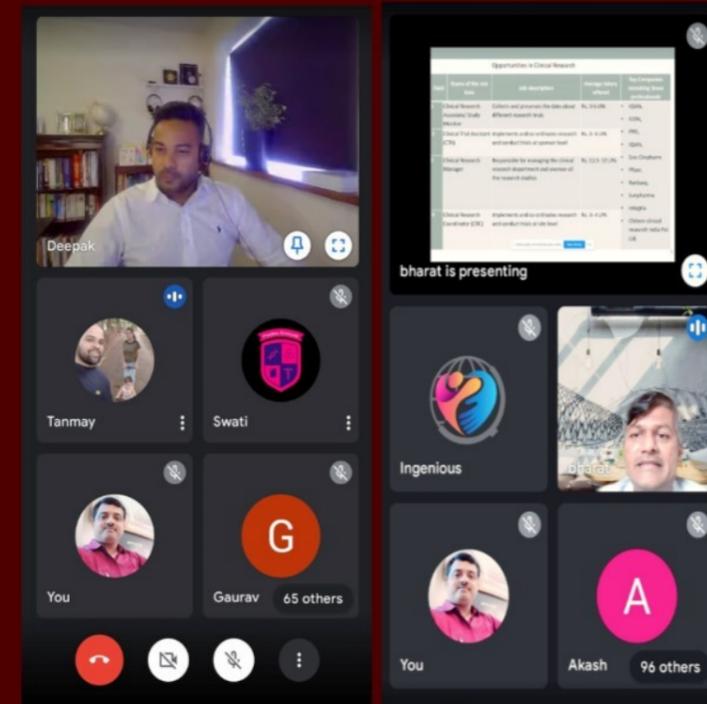
College Women Development Cell of institute organized webinar on 'Cyber safety and women safety' on the occasion of International women Day. PSI Ms. Vidya Patil was invited as a resource person for the webinar.



Send off to our senior supporting staff Shri. Dattaram Lingayat, who served in the institute since its establishment. We wish him a very happy retirement life. (31/05/2021)

## Activities @JJP

- The IQAC and Training & Placement cell of Indira Institute of Pharmacy, Sadavali has successfully conducted a Webinar on "Career options and future aspects in Pharma Field" by Mr. Deepak Pardhi, MSc from Sunderland University in Pharmaco-therapy & Medical Management on 3rd July 2021.
- The IQAC, Training & Placement cell and Department of Pharmacology of Indira Institute of Pharmacy, Sadavali has successfully organized a Webinar on "Ocean of opportunity in Pharma Industries" by Ms. Parnavi Raval, Director, Ingenious healthcare, Pune and Mr. Bharat Kshirsagar, Manager, Biocon, Bangalore as the resource person.



IQAC, of IIP has successfully conducted guest lecture on "Understanding CAS and API process for its faculty", Dr. Sardar Patil was invited as the resource person.



Indira Institute of Pharmacy, Sadavali organized a webinar on "Awareness and opportunities in generic medicines." The students were guided on various entrepreneurship opportunities in generic pharmacy retail shop, and Government initiatives for use of generic medicine.

Department of Pharmacognosy and IQAC jointly organized an interactive session on "Certain strategies to be adopted for the 2nd cycle of NAAC and AQAR submission" by Dr. Klapit Mhatre, Asst. Professor of Botany, Arts, Commerce and Science College, Lanja on 12/02/2021.



## KUDOS to JJP



F.Y.B.Pharm top rankers

F.Y.B.Pharm student Shubham Bhovad secured 2nd prize in Ratnagiri district level essay competition organized by Dapoli Cycling Club on world cycling day



IIP secured first position for its contribution in Dnyan Ganga an E-repository of academic study material



Ms. Sayali Pawar qualified in Graduate Pharmacy Aptitude Test (GPAT) and NIPER 2021. Best wishes here future career.



## Publications

- Dr. Amol B. Khade, Assistant Professor & HoD, Department of Pharmaceutical Chemistry published research paper entitled 'Synthesis, Characterization and Biological Evaluation of Indole-Pyrazole Amalgamated Cyano Substituted Chalcones' in Anticancer Agents in Medicinal Chemistry, An Scopus indexed journal with impact factor 3.3.
- Mr. Vipul Sansare, Assistant Professor Pharmaceutics published book entitled 'Drug Store and Business Management' for Diploma in Pharmacy. The book published by Unnati Publication, UP.
- Mr. Vipul Sansare, Assistant Professor Pharmaceutics published book entitled 'Novel Drug Delivery System'. The book published by Technical Publication, Pune, Maharashtra.
- Dr. Amol B. Khade, Assistant Professor & HoD, Department of Pharmaceutical Chemistry published Textbook of Pharmaceutical Chemistry for diploma in pharmacy. The book published by IP Innovative Publisher, New Delhi.
- Mr. Vipul Sansare, Assistant Professor Pharmaceutics published Textbook of Pharmaceutics II for diploma in pharmacy. The book published by IP Innovative Publisher, New Delhi.



Dr. Amol B. Khade



P.S.P.S.  
Indira Institute of Pharmacy,  
Sadavali, Ratnagiri  
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**Congratulations**  
to our faculty for publication of Textbook



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### Recent advances in urinary bladder targeted drug delivery

The urinary bladder has certain unique anatomical features which enable it to form an effective barrier to toxic substances diffusing from the urine into the blood. Different diseases such as interstitial cystitis, overactive bladder syndrome, urinary tract infection, and bladder cancer affect the bladder's normal function. Treatment of urinary bladder diseases with systemic drug administration suffers from several limitations such as poor bioavailability and first pass metabolism leading to a low drug concentration in bladder tissue and the subsequent need for high drug doses which may increase side effects. Such conditions may benefit from intravesical drug delivery (IDD), which involves direct instillation of drug into the bladder via a catheter, to attain high local concentrations of the drug with minimal systemic effects. IDD however has its limitations, since the permeability of the urothelial layer is very low and instilled drug solutions become diluted with urine and get washed out of the bladder during voiding, necessitating repeated infusions of the drug. New Drug-delivery systems (DDSs) for bladder disorders such as overactive bladder, interstitial cystitis, bladder cancer, and recurrent urinary tract infections have great potential to treat diseases. Nanocarriers, polymeric hydrogels, intravesical systems and gene therapy are all discussed, along with the rationale and strategies for both system and local delivery methods.

Ms. Sanika Narvankar (SY B.Pharm)

### Herbal Denture Cleansers: An promising alternative

Ayurveda is traditional system of medicine in India and it is also the world's oldest medicinal system. It is natural system of medicine, which is used in treatment of various diseases. Due to very less side effects, efficacious uses, easy availability, cost effectiveness. Nowadays herbal drugs used preferentially for large number of therapies. In these review paper, we are going to discuss various herbal drugs used in maintenance of oral hygiene. Oral hygiene is one of the most important part of health, which is jeopardy to maintain in ageing peoples. Candida albicans is one of the microorganism which shielded in oral cavity which causes toothache, dental decay, gum problems, cracked teeth which leads to serious Dental disorders like oral cancer. In Ayurveda, medicinal usage, there are many plants which are used to promote oral hygiene by improving dental health. Various herbal drugs have been used traditionally in various dental disorders. Some of herbal drugs Triphala, aloe, Cashew leaves, Turmeric, Clove, Guava leaves, Meswak used as dental cleanser. Since years ago, they have antibacterial and anti-candidal activity. Routine use of dental cleansers is useful to maintain oral hygiene than the mechanical methods. There are several commercially available dental cleansers but herbal drugs have high anti-candidal activity than marketed drugs and herbal drugs used in long scale because they are easily available and low prize. Developing countries due to their properties they are effective remedies in maintaining oral hygiene.

Ms. Anam Kalekar (TY B.Pharm)

### Solid Lipid Nanoparticles (SLNs) Novel nanocarriers for treatment of acne

Acne is a disfiguring disorder of the skin with significant cosmetic morbidity that may lead to serious psychological and social dysfunction. The skin disease comes in two forms. The most well-known form is acne vulgaris (referred to as acne), which mostly manifests in teens but may continue into the early 20s. The second form is called acne rosacea (referred to as rosacea) and mostly affects 30- to 60-year-olds. The two forms, despite sharing a common prefix, are quite unrelated in their respective pathophysiologies, have different approaches to treatment and hence are considered two separate conditions. Conventional drug delivery system is efficient in management of acne but poor patient compliance and adverse effects limits its efficacy. Lipid nanoparticles are novel nanolipid carriers made from biocompatible lipid which reduces toxicity; improve physical stability, skin hydration and film formation. Furthermore lipid nanoparticles protect the encapsulated drug from degradation. Thus lipid nanoparticles could be viable alternative for delivery of drugs for treatment of acne.

Ms. Siddhi Jambhle & Ms. Akshata Jadhav (SY B.Pharm)

## Editorial Team



**Mr. V. A. Sansare**  
Editor In-Chief



**Dr. A. B. Khade**  
Editorial Advisor



**Mr. P. B. Gurav**  
Editorial Advisor