



NAAC Accredited

Prabodhan Shikshan Prasarak Sanstha's
INDIRA INSTITUTE OF PHARMACY

SADAVALI, DEVRUKH, 415804

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July 2021 to January 2022

NAAC accredited Pharmacy institute in Konkan region

Footprints of IIPians

A Biannual Newsletter



Programs : D Pharm | B Pharm

IIP is identified as participating Institute under Unnat Bharat Abhiyan, flagship programme of MHRD, Govt. of India.

IIP is awarded AICTE - CII survey Gold ranking for the successive second year for the



ACCREDITED BY NAAC



AICTE – CII Survey 'GOLD' Ranking 2018



Confederation of
Indian Industry



National level webinar on Pharmacy: Always trusted for your health

Schedule:

Thursday, 30th September 2021

Youtube live:

<https://youtu.be/PSaAJGhXM9k>

Registration link:

<https://forms.gle/5oRtAeaqrmBCTTSm6>



Dr. Mahesh D. Burande

M.Pharm (Pharmacology), Ph.D.,
D.B.M, M.D.B.A (Marketing) L.L.B.

Director,
Institute of Pharmaceutical
Education & Research, Pune

Indira Institute of Pharmacy, Sadavali organized one day national level webinar on 'Pharmacy: Always trusted for health. Dr. Mahesh D. Burande was invited as a resource person for the webinar.

One day workshop



IQAC of IIP organized One day workshop on "Revised guidelines of NAAC and getting ready for Next cycle of NAAC" on 03/09/2021.

Dr. Subhash Deo, Renowned academician, NAAC Assessor & Former Principal, Gogate Joglekar College, Ratnagiri was resource person for workshop. Around 40 faculty and supporting staff of IIP and RMCET, Ambav have attended the workshop.

Editor's Message

It gives me an privilege to presenting you the first issue of college bulletin "IIP Bulletin" creative edge by the students. A symphony creates beautiful music when every instrument & musician is in sync with the rest. It is a magical 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 all the members of editorial board for their dedication & efforts.

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.

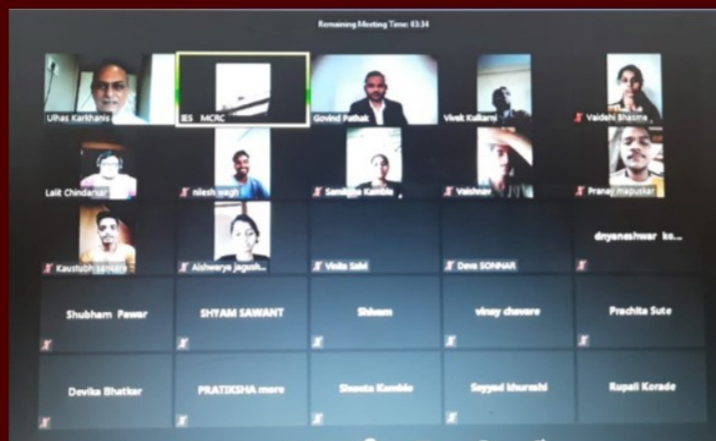
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- Students achievements
- Staff achievements
- NSS and UBA activities

Activities @JJP

Training and Placement Cell of Indira Institute of Pharmacy, Sadavali has organized a one-day interactive webinar on the topic 'Careers in Pharma Management' on 25th December 2021.

Professor Ulhas Karkhanis, Associate Dean-Pharma Management, IES's Management College and Research Centre, Mumbai has invited Resource Person for present Webinar.



'One Day Induction Program' for first-year B.Pharm and direct second-year B.Pharm students has been organized on 27th December 2021. The program highlighted 'Holistic development, role of education and self exploration', 'Significance of outcome-based education', 'Role of training and placement cell', 'Effective use of communication & social media', 'Overview of NSS, UBA and exam pattern.

Prof. Deepak Wasave, Deputy register, Affiliation section, University of Mumbai visited IIP on 20/12/2021 and expressed his satisfaction about the progress of the institute and complimented the institute for various achievements.

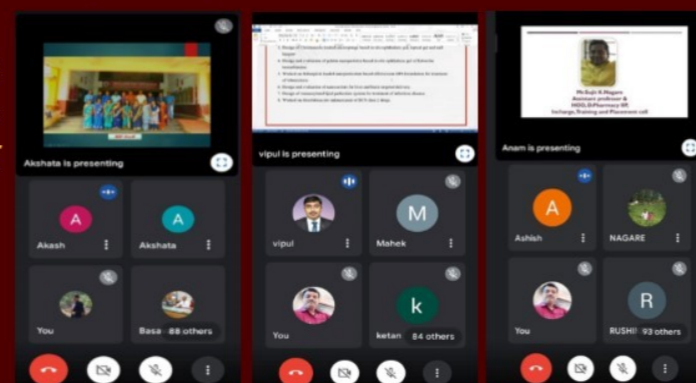


Dr. B. C. Hatapakki has handed over the charge of Principalship to Dr. A. B. Khade and congratulated him as a In-charge Principal.

We wish to extend our heartiest best wishes to Dr. B. C. Hatapakki, on his last working day at IIP (15/11/2021)

Student Scientific Club of IIP organized Interactive session on various topics like "Career opportunities and scope after B. Pharm" and Introduction of research and review articles.

Teachers day was celebrated virtually on 05/09/2021. Students expressed their love about teachers.



Students achievements

- Ms. Neha Dhulap and Ms. Divya Betkar students of S.Y.B.Pharm won 2nd prize in quiz competition on Blood donation, TB, HIV and STDs organized by Ratnagiri Civil Hospital, Ratnagiri.
- We heartily congratulate our S.Y.B.Pharm student Ms. Akansha Upadhye for getting 2nd prize in National level essay competition on "Role of Pharmacist in the Pandemic" which was held on 25th September 2021 on World Pharmacist Day.



T.Y. B.Pharm examination top rankers



S.Y. B.Pharm examination top rankers



Fourth Year B.Pharm examination top rankers

NSS & UBA @JJP



International Youth day celebration by UBA and NSS units of IIP in association with ICTC department, Rural hospital, Devrukh. The poster, report writing and video competition on theme "HIV awareness" was organized on 12/08/2021

On the occasion of National pharmacy week. NSS and UBA units of IIP organized Blood donation camp, Free HIV/AIDS detection camp and Quiz competition on 27th November.



KUDOS to JJP



Dr. Amol B. Khade and Mr. Sujit K. Nagare received recognition and appreciation from APTI, Mumbai regional branch for their proactive contribution in APTI Region's various initiatives on 15.08.2021.



- Mrs. Medha A. Khade, Assistant Professor for receiving maximum contributor award for DyanGanga an E-repository of APTI, Mumabi. The award was conferred by APTI, Mumbai regional branch, during its 1st anniversary celebration of Pharmadarpan and DnynGanag.
- Mrs. Shrutali Pilankar, Lecturer for receiving maximum contributor award for DyanGanga an E-repository of APTI, Mumabi. The award was conferred by APTI, Mumbai regional branch, during its 1st anniversary celebration of Pharmadarpan and DnynGanag.

Dr. Amol B. Khade received 'Best Poster Award' in the 6th Annual International Conference organized by G-CEIP, Goa and Goa College of Pharmacy, Goa on 01/12/2021 to 02/12/2021 at Goa College of Pharmacy.



Mr. Sarthak Ulhas Nalawade of FY B.Pharm secured First Position with cash prize of 4000/- and certificate in "Poster Making Competition on COVID-19 awareness", at regional level organized Ministry of Education (MoE) under Unnat Bharat Abhiyan (UBA).

Publications

- Mrs. Ketaki S. Dhane and their team; granted a Design Indian Patent. The present innovation is related to design of device delivering antidiabetic treatment.
- Mr. Vipul Sansare, Asst. professor (Pharmaceutics) published research paper entitled 'Design, fabrication and evaluation of sesamol loaded polymeric nanoparticles: In vivo hepatoprotective potential in Wistar rats' in Nanomedicine Research Journal (Scopus Q3 indexed journal with Impact factor 2.02).
- Mr. Vipul A. Sansare, Assistant Professor and Mr. Prashant B. Gurav, Assistant Professor & HOD of Pharmaceutics, published paper in Journal of Liposome Research, from Taylor & Francis, listed in Q2 journal with impact factor of 3.648.
- Mr. Vipul A. Sansare, Assistant Professor and Mr. Prashant B. Gurav, Assistant Professor and HOD, Department of Pharmaceutics, published book chapter entitled 'Recent advances in phytoactive delivery' in Edited book entitled 'Recent Research in Pharmaceutical Sciences' published by Weser Books. Germany.
- Mr. Vipul A. Sansare, Assistant Professor published book chapter entitled 'Nanocarrier mediated urinary bladder targeted drug delivery' in Edited book entitled 'Recent Research in Pharmaceutical Sciences' published by Weser Books. Germany.

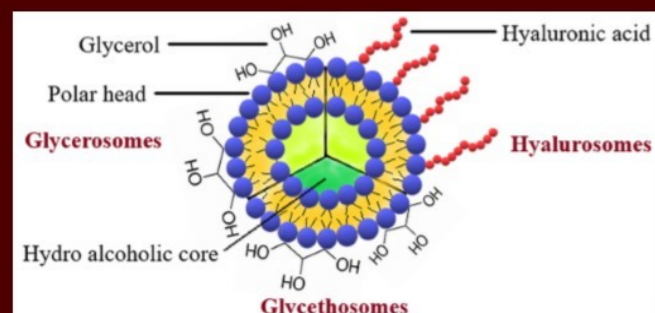


Recent advances in phospholipid vesicles mediated herbal drug delivery

Plant derived phytoconstituents are well known for their therapeutic potential. It has been experimentally demonstrated that whole plant extract or isolated phytoconstituents reveal various therapeutic potentials like hepatoprotective, antimicrobial, neuroprotective, antitumor, antioxidant, skin protectives etc. Although these phytoconstituents have potential therapeutic benefits, their use is limited due to their poor bioavailability, stability in biological fluids and authentication issues. These continue to be an open problem that affects application of these valuable ancient herbal herbs in effective treatment and management of various disease conditions.

A potential solution to these difficult problems could be encapsulation of phytoactives in phospholipid based vesicular systems. Phospholipid based vesicles like liposomes, phytosomes, ethosomes as well as transfersomes were effectively utilized recently to solve drawbacks and for effective delivery of phytoactives. Several landmark studies observed better therapeutic efficacy of phytoactive loaded vesicles compared to conventional drug delivery. Thus phospholipid based vesicles mediated phytoactive delivery is recently developed promising and attractive strategy for better therapeutic control on disease conditions.

Ms. Akanksha Dhotre (S.Y. B.Pharm)



Silver Nanoparticles: Building Blocks for Nanotechnology

In recent science nanotechnology is burning filed for the researchers. Nanotechnology deals with the nanoparticles having size of 1-100nm in one dimension used significantly concerning medical chemistry, atomic physics, and all known fields.

Nanoparticles are used immensely due to its small size, orientation, physical properties which are reportedly shown to change the performance of any other material which is in contact with these tiny particles. This particle can be prepared easily by different chemical, physical and biological approaches. But the biological approaches are the most emerging method of perpetration, because it is easier than the other method, ecofriendly and less time consuming. The green synthesis was done by using the aqueous solution of various herbal extract and AgNO₃. Silver was a particular interest for this process due to its evocative physical and chemical properties. A fixed ratio of plant extract to metal ion was prepared and the color change was observed which proved the formation of nanoparticles. Nanoparticles are characterized by UV-vis Spectrophotometer, FTIR, DLS, Zeta Analysis, XRD, and SEM.

Mr. Rushikesh Sansare (Fourth year B.Pharm)

Highlights

- NSS Unit has organized Health Check-up camp especially for post-Covid patients in association with Dr. Pruthviraj Methé's Super Specialty Hospital, Miraj.
- NSS Unit actively involved in various social activities organized by Grampanchayat Sadavali.
- The institute affiliation has appeared on one of the reputed scientific journal indexing Web portal i.e. Scopus
- Student Scientific Club as reconstituted successfully. Students have successfully conducted various activities under the flagship of Student Scientific Club.
- Student Welfare Club of Indira Institute of Pharmacy has organized various competitions on the occasion of National Pharmacy week and Navratri.

Solid Lipid Nanoparticles (SLNs): Novel nanocarriers for treatment of tuberculosis

Tuberculosis (TB) remains a major global health problem as it is the second leading cause of death after the human immunodeficiency virus (HIV). Conventional chemotherapy fail either because of emergence of multidrug- resistance or poor patient compliance to the drug regimen . The aim of this review is to give an update on advantages of solid lipid nanoparticles for treatment of tuberculosis and current antitubercular chemotherapies. Direct lung delivery of anti-TB drugs using pulmonary delivery systems is then reviewed since it appears as an interesting strategy to improve first and second line drugs. A particular focus is place on research performed on inhalable dry powder formulations of antitubercular drugs to target alveolar macrophages where the bacteria develop. Numerous studies show that anti-TB drugs can be incorporated into lipid nanoparticles which can be delivered as dry powders to the deep lungs for instantaneous, targeted and/or controlled release. These new formulations appear as interesting alternatives to deliver directly drugs to the lungs and favor efficient TB treatment.

Ms. Gauri Thatte & Ms. Sanika Narvankar (SY B.Pharm)

Editorial Team



Mr. V. A. Sansare
Editor In-Chief



Dr. A. B. Khade
Editorial Advisor



Mr. P. B. Gurav
Editorial Advisor