• Dr. Amol B. Khade, I/c Principal, Indira Institute of Pharmacy Sadavali, has been awarded with certificate for his exceptional contribution as a primary evaluator for Toycathon 2021 by Ministry of Education, Innovation Cell, Government of India.

Ministry of Info	- Voterserver	Vomen and Child Development ommerce & Industry extiles
	CERTIFICATE	
	Primary Evaluato	r
	This Certificate is awarded Dr. Amol B. Khad	
for exce	eptional contribution as a Prima	ry Evaluator in
	Toycathon, 2021'.	
Seb elvine	Abhay Tere	Jamestur_
Prof. Anil Sahasrabudhe	Dr. Abhay Jere	Dr. Mohit Gambhir
Chairman AICTE	Chief Innovation Officer Ministry of Education Innovation Cell	Innovation Director Ministry of Education Innovation Cell

 Dr. Amol B. Khade received 'Best Poster Award' in the 6th Annual Internation Conference organized by Goa Centre for Excellence in Intellectual Property, Goa and Goa College of Pharmacy, Goa on 01/12/2021 to 02/12/2021 at Goa College of Pharmacy. He has presented a poster entitled 'Design, synthesis, evaluation and molecular dynamic simulation of triclosan mimic diphenyl ether derivatives as antitubercular

and



antibacterial agents.

• 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).

### Design, fabrication, and characterization of sesamol loaded polymeric nanoparticles: In vivo hepatoprotective potential in Wistar rats

Document Type : Original Research Article

#### Authors

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### Abstract

Objective(s): Liver diseases affect millions of people worldwide, which are difficult to treat with conventional drug delivery. Numerous drugs have been investigated for treatment of diseases associated with liver however correct drug delivery system need to be find for delivery of drugs. Sesamol is a wellrecognized antioxidant phytoactive found in sesame oil has reported to scavenge hydroxyl radical. However unfavorable physicochemical properties limits its use as effective therapeutic agent. Thus present study was started with aim to fabricate sesamol loaded polymeric nanoparticles to minimize limitations associated with conventional delivery of sesamol. Methods: Drug encapsulated nanoparticles were formulated using solvent evaporation ultrasonication technique. The selected technique was found to be effective for preparation of nano sized

## Congratulations

To our faculty for publication of paper in Scopus Q3 indexed Journal with impact factor 2.02.



Mr. Vipul A. Sansare Asst. Professor (Pharmaceutics)

# Indira Institute of Pharmacy Sadavali, Devrukh



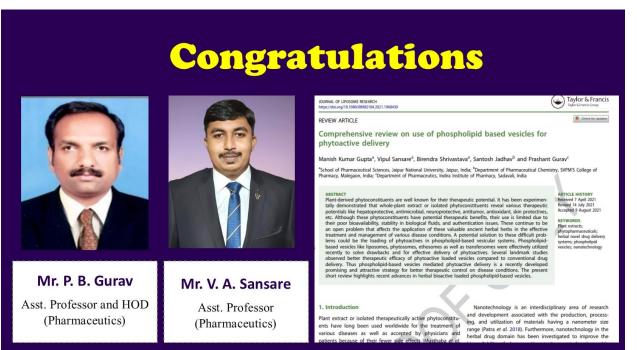


ACCREDITED BY NAAC

• Mrs. K. S. Dhane (Asst. professor of Pharmaceutical Chemistry) and her team members published design patent on design of device delivering antidiabetic treatment.



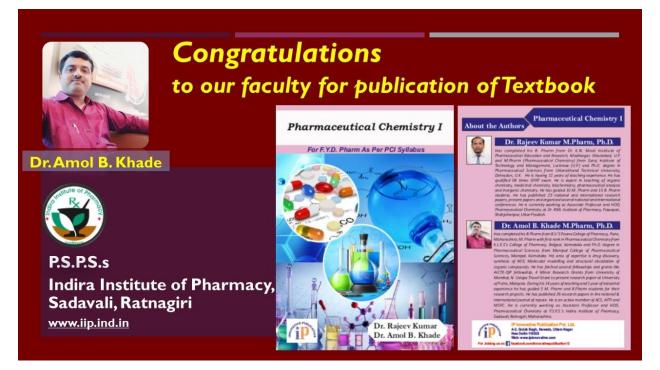
• Mr. Vipul A. Sansare, Assistant Professor and Mr. Prashant B. Gurav, Assistant Professor and HOD, Department of Pharmaceutics, published paper entitled 'Comprehensive review on use of phospholipid based vesicles for phytoactive deliver' in Journal of Liposome Research, from Taylor & Francis, listed in Q2 journal with impact factor of 3.648.



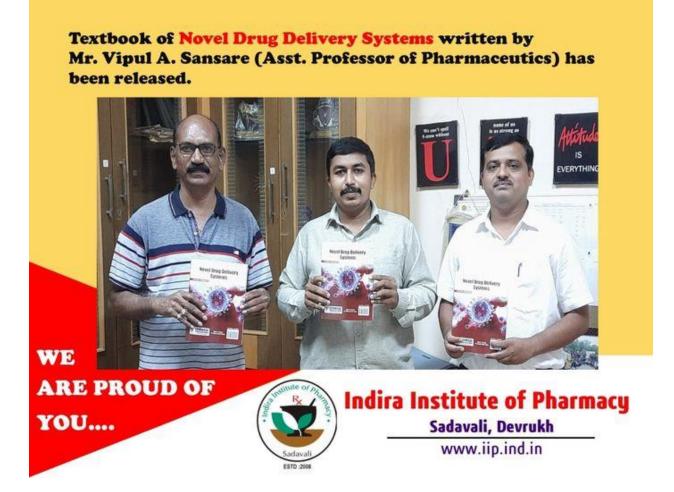
• Mrs. Medha A. Khade, Assistant Professor received maximum contributor award for DyanGanga an E-repository of APTI, Mumabi. The award was conferred by APTI, Mumbai regional branch (Association of Pharmaceutical Teachers of India), during its 1st anniversary celebration of Pharmadarpan and DnynGanag and it was annouce by Dr. Milind Umekar, Vice President, APTI National on 15.08.2021.



- Ms. Shrutali Pilankar, Lecturer (Diploma in Pharmacy) received maximum contributor award for DyanGanga an E-repository of APTI, Mumbai.The award was conferred by APTI, Mumbai regional branch (Association of Pharmaceutical Teachers of India), during its 1st anniversary celebration of Pharmadarpan and DnynGanag and it was annouce by Dr. Milind Umekar, Vice President, APTI National on 15.08.2021.
- 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 book entitled 'Novel Drug Delivery System'. The book published by Technical Publication, Pune, Maharashtra.



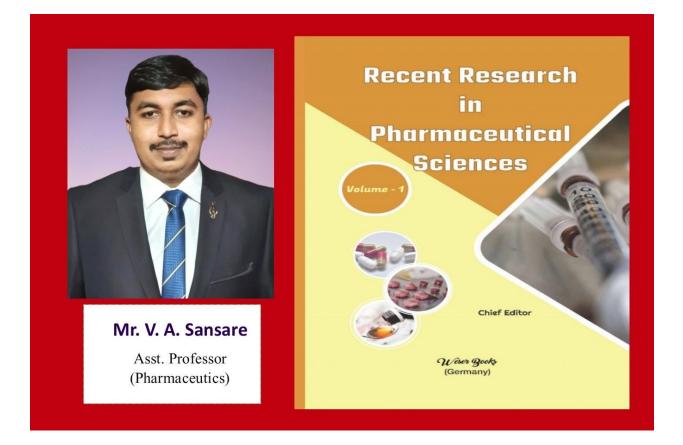
• Mr. Vipul Sansare, Assistant Professor Pharmaceutics published book entitled 'Drug Store and Business Management' for Diploma in Pharmacy. The book published by Unnati Publication, UP.



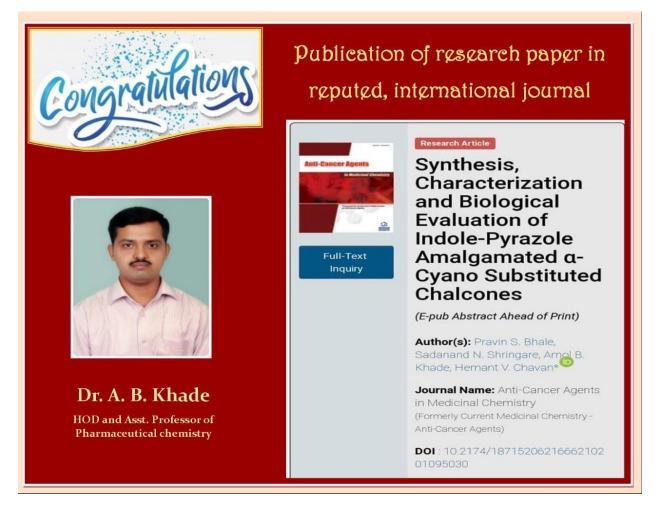
 Mr. Vipul A. Sansare, Assistant Professor and Mr. Prashant B. Gurav, Assistant Professor and HOD, Department of Pharmaceutics, published book chapter entitled 'Recent advances in phytoactive delivery' in Edited book entitled 'Recent Research in Pharmaceutical Sciences' published by Weser Books. Germany.



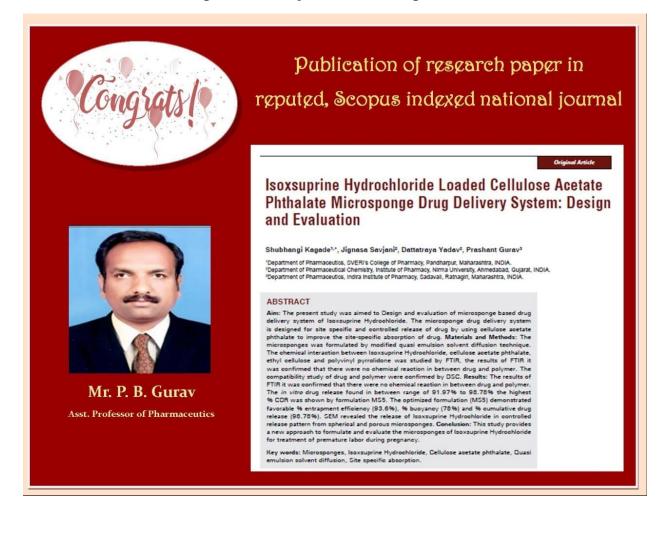
• Mr. Vipul A. Sansare, Assistant Professor published book chapter entitled 'Nanocarrier mediated urinary bladder targeted drug delivery' in Edited book entitled 'Recent Research in Pharmaceutical Sciences' published by Weser Books. Germany.



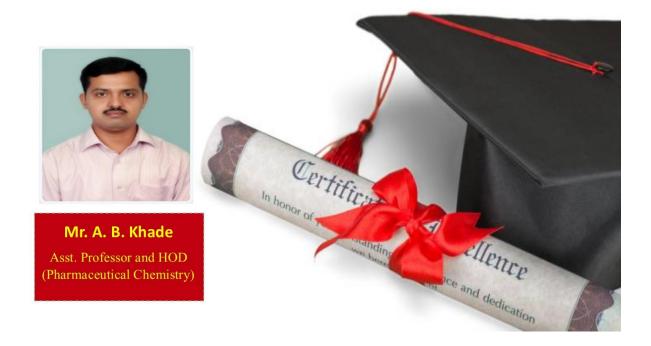
 Dr. Amol B. Khade, Assistant Professor & HoD, Department of Pharmaceutical Chemistry published research paper entitled 'Synthesis, Characterization and Biological Evaluation of Indole-Pyrazole Amalgamated Cyano Substituted Chalcones' in Anticancer Agents in Medicinal Chemistry, An Scopus indexed journal with impact factor 3.3.



 Mr. Prashant B. Gurav, Assistant Professor and HOD, Department of Pharmaceutics, published paper entitled 'Isoxsuprine Hydrochloride Loaded Cellulose Acetate Phthalate Microsponge Drug Delivery System: Design and Evaluation' in Indian Journal of Pharmaceutical Education and Research, An Scopus indexed journal with impact factor 0.6



 Mr. Amol Khade was awarded the degree of Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences, under the Quality Improvement Program of AICTE, New Delhi by Manipal Academy of Higher Education (MAHE), Manipal, Karnataka in June 2020 for research work entitled "Rational Design and Synthesis of Novel Diphenyl Ether Derivatives As Antitubercular Agents". He carried out his research work under the guidance of Prof. Dr. G. Gautham Shenoy, Vice Principal, Manipal College of Pharmaceutical Sciences, Manipal, and the co-guidance of Dr. Vandana K.E., Professor & Head, Department of Microbiology, Kasturba Medical College, Manipal.



• Mr. V. A. Sansare, Assistant Professor of Pharmaceutics has received 1st prize for poster presentation on the paper entitled "Cellular trafficking of nanocarriers in alveolar macrophages for effective management of pulmonary tuberculosis" at 4th Annual International Conference on Intellectual Property Rights organized by Goa College of Pharmacy, Goa on November 11 & 12, 2019.



• Mr. Sujit K Nagare, Assistant Professor and HOD, elected as an editorial board member of 'Pharma Darpan' an annual magazine of APTI, Mumbai region.



• Mr. Vivek Kulkarni, Assistant Professor of Pharmaceutical Chemistry, published paper entitled 'The synthesis of quinazolon 1,3,4-oxadiazole analogues and studies on their antimicrobial and antioxidant activity' in International Journal of Pharmaceutical Science and Research, an Scopus indexed journal.

	IJPSR (2019), Volume 10, Issue 3		(Research Article
2Warmaceutic.	0	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH	$\odot$
UPSR Since 2010 WWW.ijpsr.com	THEIR ANTIMICROBIAL AN V. S. Kulkami <sup>+1</sup> , D. S. Chavan <sup>1</sup> Department of Pharmaceutical Ct 415804, Maharashtra, India.	AZOLON-1,3,4-OXADIAZOLE ANALOGUES TO ANTIONIDANT ACTIVITY and G. P. Senthil Kumar <sup>2</sup> hemistry <sup>1</sup> , Indira Institute of Pharmacy, Sadavali ( Bharathinagara - 571422, Karnataka, India.	
www.ijpsr.com	Keywords: 1,3,4-oxadiazole, Quinazolone, Antimicrobial, Antioxidant Correspondence to Author: V. S. Kulkarni	ABSTRACT: A series of conjugation of two heteroc and quinazolone were synthesized and screened for antioxidant activity. Compound-(4-oxo-2-pheny) benzohydrazide 3 on cyclization with different aroma of photphoryl chloride (POCI,) gave different 1, 3, 4 Similarly, compound 3 on reaction with carbon	antimicrobial as well -quinazoline-3(4H)-yl tic acids in the presen -oxadiazole derivative
Mr. V. S. Kulkarni Asst. Professor	Assistant Professor, Department of Pharmaceutical Chemistry, Indira Institute of Pharmacy, Sadavali (Devrahh), Ratmagiri - 415804, Maharashtra, India.	substituted oxadiazole thiose which on reaction with presence of dimethylformamide (DMF) give oxadiaz 6c. Structural assignments of these compounds have analysis, UV, IR, <sup>1</sup> H NMR, and mass spectral dat were screened for <i>in-stro</i> growth inhibition activity of bacteria and funni and compared with standard.	different halides in t tole thiones analogs 6 been made by element a. Synthesized analo against different strai
rmaceutical Chemistry)	E-mail: vivekkulkarn 1436@gmail.com	or occerna and rung and compared win standard - fluconatole. Compounds 4 and 4f have good activ compounds have moderate activity against fungi. T screened for antioxidant activity by using radical scar using ascorbic acid as a standard drug. Compounds antioxidant activity.	ity against bacteria. A These compounds we venging DPPH assay to

 Dr. A. B. Khade, Assistant Professor and HoD, Department of Pharmaceutical Chemistry selected as resource person for 'One day national level conference on Novel Trends in Drug Design and Natural Product Chemistry' organized by YBCP, Sawantwadi on 2<sup>nd</sup> February 2019.



• Mr. V.S.Kulkarni, Assistant Professor, Dept. of Pharmaceutical chemistry written book entitled "Synthesis and biological activity of some new oxadiazole analogues" with Lambert Academic Publishing house.

Many commonly used antibiotics are becoming less effective against infections due to the emergence of microbial resistanceln case of infection. there is an occurrerce of increasing fungal infection from day to day. These fungal infectons continue to grow rapidly. Present antifungal agents do not satisy the medical need.So, antimicrobial agents are of interest for most sesarchers. Heterocydic compounds like 1, 3, 4 oxadiazole, quinazolne and dihydropyrimidone nucleus posses a diversity of biological activity. 1, 3, 4-oxadiazole chemistry with a broad spectrum of medicinal value has got much significance in recent years. Compound4-(4 oxo-2-phenyl-quinazolne-2(4H-yd) benzohydrazide 3 on cyclization with different aromatic acds in the presence of phosphoryl chloride (POCIB) give different 1, 3, 4-oxadiazole derivatives. Similarly, compound 3 on reaction with carbon disulphile (CS2) gives substituted oxadiazole thione which on reaction with different haldes in the presence of dimethylformamide (DMR) give oxadiazole been made by elemental analysis, UV, IR, 1H NMR, and mass spectral data.





He has completed B Pharm with first class from Shivaji University, Kolhapur and completed M Pharm in Pharmaceutical Chemistry from Bharathi Colege of Pharmacy, Bharathinagara, RGUHS, Karnataka, At present he is working as Asat professor in department of Pharmaceutical Chemistry at Indira Institute of Pharmacy, Sadavali, Maharashtra,

978-670-0-21145-3

Kulkarni, Kurnar G

Dr. Senthil Kumar G P

Synthesis and Biological Evaluation of Some New Oxadiazole Analogues

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