

DR. VIVEKANAND KISAN CHATAP

M. Pharm., Ph.D.

Head, Department of Regulatory Affairs

Associate Professor, Department of Pharmaceutics

Head, Training & Placement Cell

H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur, Dhule, Maharashtra

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OBJECTIVE

To contribute to pharmaceutical education, research, innovation and administration through impactful research, technology development, student mentorship and socially relevant pharmaceutical solutions.

PROFESSIONAL PROFILE

Dr. Vivekanand Kisan Chatap is an academician, researcher and pharmaceutical professional with **20+ years of teaching, research and administrative experience**. He is currently working as **Head of Regulatory Affairs Department** and Associate Professor in Pharmaceutics at H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur.

APPROVALS

PhD Guide: KBCNMU/11/Ph.D./ 247 /2022 Date : 02-08-2022

PhD Guide: /MU/PHD/PHM/2019/1916 Date:05-09-2023

Associate Professor: KBCNMU/18/987/2022 Date : 19-10-2022

Post Graduate Teacher : NMU/11/PGR/pharmacy/1416/20 Dated 28/06/2012

Asst. Professor: NMU, Jalgaon---Ref No. NMU/18/473/2012 Dated-12/03/2012 / 415 (1)

Asst. Professor: NMU, Jalgaon---Ref No. NMU/18/1516/2011 Dated-27/09/2011/ 415 (3)

Lecturer : Pune University-- Ref. No. CCO/1030, Dated-12/02/2009

Lecturer : RGPV, Bhopal/Minutes of selection committee of BRNCP, Mandsaur, Dated-10-11/02/2007

AREA OF RESEARCH

Nanotechnology-based drug delivery | Nanocellulose and nanofiber systems | Solubility and dissolution enhancement | Targeted drug delivery | Cancer Theranostics | Nutraceutical/organic carriers | Novel pharmaceutical dosage forms

AWARDS & RECOGNITIONS — 14

1. **Research Excellence Award – Patent, 2024–25**, KBCNMU, Jalgaon.
2. **Research Excellence Award – Publication, 2024–25**, KBCNMU, Jalgaon.
3. **Second Prize – Utility Granted Patent Oral Presentation, Category-I, PHARMAANVESHAN-2025**, jointly organized by Pharmacy Council of India, New

Delhi and Pharmacy College of South Gujarat, Uka Tarsadiya University, Bardoli, Gujarat.

4. **Best Teacher Award – 2023**, KBCNMU, Jalgaon.
5. **Research Excellence Award – Funding, 2020**, KBCNMU, Jalgaon.
6. **Outstanding Assistant Professor Award**, DST-NSTMIS-sponsored Stakeholder Workshop, Smriti College of Pharmaceutical Education, Indore, 2019.
7. **Young Scientist Award**, National Seminar, Modern Institute of Pharmaceutical Education & Research, Indore, 2018.
8. **Young Researcher Award**, National Seminar, Smriti College of Pharmaceutical Education, Indore, 2018.
9. First Prize – **Best Innovation Award 2017**, National Level Competition – Level II, GHR Labs & Research Centre, Raisoni Group of Institutions, Jalgaon.
10. Third Prize – **Best Innovation Award 2017**, National Level Competition – Level III, GHR Labs & Research Centre, Raisoni Group of Institutions, Pune.
11. **University Level First Prize – Teacher Category (Medicine & Pharmacy)**, Avishkar Research Competition-2016, NMU, Jalgaon.
12. **University Level First Prize – Teacher Category (Medicine & Pharmacy)**, Avishkar Research Competition-2015, NMU, Jalgaon.
13. **Best APTI State Branch of the Year Award – 2015**, APTICON-2015, Indore.
14. Second Prize – **Entrepreneurial Idea Competition**, NMIMS, Shirpur Campus.

GRANT RECEIVED: (71.92 Lakhs)

1. As Pharmcy Teacher Trainee under **Scheme Capacity Building Industrial Training (CBIT)** Program from Pharmacy Council of India New Delhi Rs. 50K.
2. As Principal Investigator received grant of Rs.21.66 lakh, Entitle **Biocompatible Anti-cancer Drug Loaded Magnetic Fibres Nanocomposites Capped with Graphene Quantum Dots for Bio-Sensing and Theranostic approach in Targeting Diseases** from **All India Council for Technical Education, Government of India** under **Research Promotion Schemes 2019-20**. (Sanction Letter, File No. 8-90/FDC/RPS(Policy-1)2019-20 dated 14.08.2020)
3. As Principal Investigator received grant of Rs.13 lakh from **Department of Science and Technology, Government of India** for organizing Inspire Internship Science Camp, (Letter no. Inspire Internship/5/2019-20/13 & Order no. Dy. No. C/2733/IFD/2019-2020 dated 6.09.2019)
4. As Coordinator received Rs.35000/- from **KBCNMU, Jalgaon** to organized workshop on Entrepreneurship Development Program on How to start Business, Finance and Project Reports and Stress Management for Non-Teaching Staffs.
5. As Principal Investigator received **DST-NIMAT Project 2018-19** (Entrepreneurship Awareness Camp) under the aegis of National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, Govt. of India, New Delhi.

6. As Principal Investigator received research Project under Scheme “Vice Chancellor Research Motivation Scheme” **North Maharashtra University, Jalgaon, Maharashtra, India** entitle Fabrication and characterization of biomaterial useful for enhancement of solubility and dissolution profile of poorly water soluble drug (NMU/11A/VCRMS/Budget-2014-2015/Pharmacy-3/170/2015).
7. As Principal Investigator received grant of Rs.9.75 lakh from **Department of Science and Technology, Government of India** for organizing Inspire Internship Science Camp, (Letter no. Inspire Internship/8/2015-16/8 & Order no. Dy. No. 100/IFD/4925/2015-2016 dated 14.02.2016)
8. As Principal Investigator received a grant of Rs.13 lakh from **Department of Science and Technology, Government of India** for organizing Inspire Internship Science Camp, (Letter no. Inspire Internship/1/2016-17/29 & Order no. Dy. No. 100/IFD/1407/2016-2017 dated 09.06.2016)
9. As Principal Investigator received grant of Rs.13 lakh from **Department of Science and Technology, Government of India** for organizing Inspire Internship Science Camp, (Letter no. Inspire Internship/1/2016-17/29 & Order no. Dy. No. C/1837IFD/2017-2018 dated 31.07.2017)

PhD STUDENT (REGISTERED-4 AWARDED-5) & 59 M. Pharm. Research Projects Guided

1. Pharmacognostic, Phytochemical and Pharmacological Investigation On *Muntingia Calabura* Linn. (Muntingiaceae). **Mr. Rakesh Nimba Chaudhari**. Enrolment No. 18PHM6PHM1110. Date of Registration. 26/4/2019 and Date of Final Viva-Voice- 27/4/2023 Awarded as per notification dated 08/05/2023 from Mandsaur University, Mandsaur, M.P.
2. Formulation and Characterization of Topical Gel using Quality by Design Approach. **Mr. Prashant Gajananrao Karamkar**, Enrolment No: 20PHM6PHM1009. Registration Date: 15/6/2020 Date of Final Viva-Voice- 30/3/2024 Awarded as per notification dated 21/06/2024 from Mandsaur University, Mandsaur, M.P.
3. Formulation Development of Soft Gelatin Capsules for colon-specific drug delivery for the treatment of colon cancer **Mr. Bhavin A. Savala,**. Enrolment No: 18PHM6PHM1103. Date of Final Viva-voice 21/10/2024. Awarded as per notification dated 10/03/2025 from Mandsaur University, Mandsaur, M.P.
4. Formulation development and evaluation of injectable dosage form for stabilization of highly oxidative degradation drug molecule. **Mr. Hitesh Rambhauji Bhakre** Enrolment No: 20PHM6PHM1004. Date of Registration 15/07/2020. Date of Final Viva-voice 25/05/2024.
5. Development and evaluation of stable injectable formulation of aviptadil. **Mr. Amit Ramesh Bukkavar** Enrolment No: 19PHM6PHM1001. Date of Registration. 12/09/2019. Date of PhD Pre-thesis Viva-voce, 25/05/2024. Date of Final Viva-voice 28/10/2025.
6. Development and Characterization of Phytochemical Loaded Anti Inflammatory Topical Formulation. **MR. SHYAM SHRIKISAN RATHOD**. Registration No. KBCNMU/11/Ph.D./Conf.Letter/Online/Pharm./1337/ 2024 19/09/2024
7. **WASIM BASID KAZI** Formulation, Development And Evaluation Of Nanofiber Based Antifungal Topical Application Registration No. KBCNMU/11/Ph.D./Conf.Letter/Online/Pharm./1337/ 2024 08-12-2023

8. **GAURAV SHRIRAM PATIL** Development and Evaluation of Hybrid Nanoparticles Based Polymeric Scaffolds for Wound Healing Applications Registration No. KBCNMU/11/Ph.D./Conf.Letter/Online/Pharm./1337/ 2024 08-12-2023
9. **Mr. ROHIT RAM KOMBADE** KBCNMU/11/Ph.D./Pharm./1258/2024. Date : 15-09-2025

PATENT: 11, Filled: 02 Published: 06, Grant: 03 -Utility 1- Design

1. Indian Patent **Grant** on “**Benzimidazole Hybrids With Guanine And Uracil For The Treatment Of Bacterial Infections**” 202221067582 A, dated 22/12/2023. Patent No: 565041 Date of Grant : 09/04/2025
2. Indian Patent **Grant** on “**A method for preparation of Cellulose Based Magnetic Nanofiber Composite Capped With Graphene Quantum Dots and the composite obtained**” Application No.202221012948 A. The Patent Office Journal No. 47/2022 Dated 25/11/2022 Patent No: 457840 Date of Grant : 10/10/2023
3. Indian Design Patent **Grant** on “**:Drug Dissolution Testing Apparatus for Pharmaceutical Industry**” Application No. 389396-001 30/06/2023 20:02:03
4. Indian Patent **Published** on “**:Fabrication of Cellulose Based Magnetic Nanofiber Composite Capped with Concanavalin-A for Theranostics Approach to Breast Cancer**” Application No. 202321044971 (TEMP/E-1/51499/2023-MUM) Dated 05/07/2023.
5. Indian Patent **Published** on “**: Lectin Tethered Amphotericin-B for Treatment of Fungal Infections**” Application No. 202321001082 A The Patent Office Journal No. 04/2023 Dated 27/01/2023.
6. Indian Patent **Published** on “**Dietary Cellulose Wheat Fibers as Carrier for Formulation of Lquisolid Tablet**” Application No.202221074804 A The Patent Office Journal No. 01/2023 Dated 06/01/2023.
7. Indian Patent **Published** on **Isolation of 3-carene from turpentine Oil** TEMP/E-1/10057/2022-MUM
8. Indian Patent **Published** on “**Gum ghatti a novel carrier for matrix tablet**” Application No.110/MUM/2009 A. The Patent Office Journal 07/03/2014
9. Indian Patent **Published** on **Cellulose nanofiber composite capped with Vit B12-PEG4000 for oral delivery of amphotericin B**, Application No.202521111276 A **Date of filing of Application :14/11/2025, Publication Date : 19/12/2025**
10. Indian Patent filed on “**Antifungal liquid vaporizer**” / 201821006568
11. Indian Patent filed on “**Jujuboside B: A Potent antiasthmatic agent**” TEMP/E-1/56760/2020- MUM

SELECTED RECENT PUBLICATIONS

(National/International: (Int-43, National-36 Total-79)

1. **Vivekanand Chatap**^{a 1}, Gautam Priyadarshi^{b 1}, Lukesh Rote^a, Bhakti Patel^b, Mudassar Shahid^c, Rabbani Syed^c, Tanaji Dilip Nandgude^d, Snehal Bagatharia^e, Dipak Kumar Sahoo^f, Ashish Patel. Vitamin B₁₂-PEG4000 functionalized cellulose nanofibers for Amphotericin B delivery: In vitro evaluation for leishmaniasis treatment. [International Journal of Pharmaceutics](https://doi.org/10.1016/j.ijpharm.2025.126172). [International Journal of Pharmaceutics](https://doi.org/10.1016/j.ijpharm.2025.126172) 684 (2025) 126172. 10 November 2025, <https://doi.org/10.1016/j.ijpharm.2025.126172> (IF 6)

2. **Vivekanand Chatap**, Bhakti Patel, Tejas Patil, Gautam Priyadarshi, Mudassar Shahid, Rabbani Syed, Snehal Bagatharia, Dipak Kumar Sahoo & Ashish Patel. Innovative fabrication of folic acid-conjugated curcumin cellulose nanofibers for targeted lung cancer therapy. *Cellulose* **32**, 10219–10236 (2025). <https://doi.org/10.1007/s10570-025-06803-5> 12 October 2025 (IF 5.2)
3. **Vivekanand Chatap**, Dipesh Gosavi, Neha Bhilare, Sopan Nangare Stimuli-responsive graphene quantum dots-capped amine-modified wheat cellulose magnetic fiber nanocomposites for targeted curcumin delivery in breast cancer. *Cellulose*. Volume 32, pages 9039–9060, (2025). <https://doi.org/10.1007/s10570-025-06730-5> (IF 5.2) Published: 03 September 2025
4. **Vivekanand Chatap** Neha V. Bhilare, Pavan Vanjari ·Curcumin loaded magnetic nanocellulose fiber composites with con-a cap for theranostics application in breast cancer. *Cellulose*. Volume 32 (6), pages 3855–3876, (2025) <https://doi.org/10.1007/s10570-025-06476-0> (IF 5.2)
5. Vinit Nikwade,^{†a} Nisha Choudhary,^{†b} Raghu Solanki, c Ashish Patel, *b Virendra Kumar Yadav, *dSalehH. Salmen,e Abdullah A. Alarfaj,e MohammadJaved Ansarif and **Vivekanand Chatap**. Fabrication and characterization of ConA-conjugated curcumin-loaded solid lipid nanoparticles for theranostic applications in lung cancer treatment. *Nanoscale*,2025,17,3203–3210 | 3203. <https://doi.org/10.1039/D4NR03157A> (IF 5.8)

BOOK PUBLISHED: 5

1. **Text Book of Pharmaceutical Biotechnology**, Authors by Ashish Dixit, Pawan Tiwari, Neelesh Malviya & **Vivekanand Chatap**, **Nirali Prakashan – Publication, Pune Head Office Address: Abhyudaya Pragati, 1312, Shivaji Nagar, Off. J M Road , Pune 411005, Maharashtra, India** (ISBN-936993562-2)
2. **Text Book of Instrumental Methods of Analysis**, Authors by Ashish Dixit, Pawan Tiwari & **Vivekanand Chatap**. Neha Bhilare and Neelesh Malviya. **PharmaMed Press**. 4-4-309,Giriraj Lane, Sultan Bazar,Hyderabad - 500 095, Telangana, INDIA (ISBN 978-81-961470-3-7)
3. **Text Book of Pharmaceutical Biotechnology**, Authors by Ashish Dixit, Pawan Tiwari & **Vivekanand Chatap**, Studium Press (India) Pvt. Ltd. 4735/22, 2nd Floor Prakash Deep Building (Near PNB), Ansari Road, Darya Ganj, New Delhi-110002, Website: <http://www.studiumpress.in> (ISBN-93-80012-75-6)
4. **2nd Edition, Text Book of Pharmaceutical Biotechnology**, Authors by Ashish Dixit, Pawan Tiwari & **Vivekanand Chatap**, Paging Publication Ltd New Delhi, ISSN 8193630920, 14 October 2019
5. **Text Book of Pharmceutical Jurisprudence**, Authors by Ashish Dixit, Pawan Tiwari & **Vivekanand Chatap**, Lucky Publication House, Udaipur Rajasthan 313001 ISBN: 978-93-92254-97-0

CHAPTER PUBLISHED IN BOOK: 4

1. Neha V. Bhilare,a Vinayak S. Marulkar,a **Vivekanand K. Chatap**, Ajit S. Kulkarni,c Shailaja A. Dombé,d and Pramodkumar J. Shirotea **Biodegradability and Biodegradable Polymers: An Overview**, Handbook of Biodegradable Polymers: Applications in Biomedical, Industry, and the Environment. **Jenny Stanford Publishing Pte. Ltd.** ISBN 978-981-4968-84-3 (Hardcover), 978-1-032-69330-9 (eBook) www.jennystanford.com

2. Abhijeet P. Pandey, Debjani Singh, Namdev L. Dhas, **V. K. Chatap etc**, Complex Injectable: Development, Delivery and Advancements, November 2019, DOI: 10.1016/B978-0-12-817776-1.00008-0 In book: Delivery of Drug, Publisher: Elsevier
3. Amit Kumar Mittal, Swati Madan, Satyendra K. Rajput, Satya Prakash & V. K. Chatap, **An Emerging Potential of CRISPR-Cas9 Technology on Gene Editing and Medical Application** Chapter-2, **Animal Screening: Basics of Drug Discovery Vol. –II, 2019 By Paging Publication, New Delhi**
4. Satyendra K Rajput, Ashish Kumar, Vikramdeep Monga, Hemlata nimesh and **V. K. Chatap**, **Investigation Tools Principles and Application: General Consideration Chapter-3, Animal Screening: Basics of Drug Discovery Vol. –I, 2018 By Paging Publication, New Delhi**

ACADEMIC LEADERSHIP & PROFESSIONAL ROLES

H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur, Dhule, Maharashtra, India (From July 2011-Till Date)

- Head, Department of Regulatory Affairs
- Head, Training & Placement Cell
- In-Charge, Industrial Visits & Field Visits
- Library In-Charge
- Student Council Coordinator/Member
- Member, NBA & NAAC Committees

Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Otur, Pune, Maharashtra (From July 2008-June 2011)

- Academic In-Charge
- Project Coordinator

B. R. Nahata College of Pharmacy, Mandsaur, Madhya Pradesh (From June 2006-June 2008)

- Examination In-Charge
- Member, NBA Committee
- Member, NAAC Committee
- Co-Investigator, Herbal Product Development, BRNSS Contract Research Center, Mandsaur
- Member, TePP (Technopreneur Promotion Programme), Center of Innovation Network Partner, DST, Government of India

REFERENCES

1. Dr. S. B. Bari, M. Pharm., Ph.D. D. M. F. I. C
Principal & Professor
Department of Pharmaceutical Chemistry

H. R. Patel Institute of Pharmaceutical Education & Research
Shirpur, Dhule, Maharashtra, India

2. Dr. D. K. Sharma, M. Pharm., Ph.D.

Principal & Professor
Department of Pharmaceutics
Devasthali Vidyapeeth College of Pharmacy
Lalpur, Uttarakhand, India

3. Dr. Vipin Bihari Gupta M. Pharm., Ph.D.

Drug Discovery Scientist
Bhopal, Madhya Pradesh, India

4. Dr. S. D. Patil M. Pharm., Ph.D.

Head, Department of Clinical Pharmacy
R. C. Patel Institute of Pharmaceutical Education & Research
Shirpur, Maharashtra, India