

Dr. BANDOO CHHAGAN CHATALE (M. S. (Pharma.), PGD-CTM, (PhD. Tech.) in Pharmaceutical Chemistry atInstitute of Chemical Technology (ICT), Mumbai, India
Correspondence address-At-Anandwadi, Post-Nimgoan daku, Tal-Karjat, Dist-Ahemdnagar, Maharashtra 410209
Contact number-07718973982, 7977282619 **Email id**-banduchatale@gmail.com
Birth Date-05/08/1989

CAREER OBJECTIVE

To work in an esteemed organization, which provides me ample opportunities to sharpen and present my acquired skills and to contribute positively in the growth of the organization with my knowledge and skills.

EXPERIENCE

Worked at Piramal discovery solution as **Research Trainee** and **Senior Research Associate**, Ahmedabad, India, August 2014 to May-2015.

Worked as **Junior Research Fellow** and **Senior Research Fellow** in **Institute of Chemical Technology** (ICT) from May 2015 to August 2019.

Worked as a **Practical supervisor** for B. Pharm. **(Final year, Pharmaceutical chemistry)** in 2015-2018 and **(M. Pharm. First year)** in 2017-2018 **(Pharmaceutical Chemistry)** students at Institute of Chemical Technology, Mumbai, India

Worked as **Assistant Professor** in Pharmaceutical Chemistry at Dattakala College of Pharmacy, in Savitrabai Phule Pune University (SPPU), Pune, India. Also working as **Incharge for Quality Assurance (QA) Department (M. Pharmacy**) at Dattakala College of Pharmacy and **Academic and Research Coordinator (ARC)** at Savitrabai Phule Pune University from September 2019 to March 2020.

Currently Working as Assistant Professor in **Pharmaceutical Chemistry** since April 2020 at MET Institute of Pharmacy, in Mumbai University Mumbai, India. Also working as College **co-coordinator** for Mumbai University **Aavishkar Convention** at MET-IOP since academic year 2021-2022.

ACADEMIC CREDENTIALS

Sr. No.	Description	Board/University	Year	Percentage/CGPA
1	Ph.D.	ICT, Mumbai	2015-2019	OD Feb. 2020
2	PGD-CTM	ICT, Mumbai	2018	BB
2.	M.S. (Pharm.)	NIPER, Mohali	2014	7.48
6.	B. Pharmacy	Pune	2012	67%
7.	HSC	Pune	2008	75%
8.	SSC	Pune	2006	67%

ACHIEVMENTS

Qualified **GATE (Graduate Aptitude Test for Engineering)** in life sciences in 2012 with **All India Rank-2024**. Secured **All India Rank-454** in National Institute of Pharmaceutical Education Research **(**NIPER) examination, 2012. Qualified **GPAT 2012** with All India Rank 1087.

Awarded **UGC-SAP Fellowship** for Ph.D studies in Institute of Chemical Technology.

M.S. (PHARM.) RESEARCH PROJECT: "Development of novel anti-inflammatory agents targeting Cyclooxygenase enzyme" Principal Investigator: Prof. A.K. Chakraborti, Former Head of Dept. of Medicinal Chemistry NIPER, S.A.S. Nagar

PGD-CTM project topic: "Venture for handy automated device for diabetes embedded in body to monitor sugar level and for its therapeutics." under supervision of Mr. K. Sahasranaman. at ICT, Mumbai

Ph.D. RESEARCH TOPIC: "Taste masking by inhibition of taste receptors" research supervisor: Prof. Mariam S. Degani. Head of Department of Pharmaceutical Sciences and Technology, ICT, mumbai.

TECHNICAL SKILLS

Synthetic-Medicinal Chemistry- Design and synthesis of biologically active small molecules, Multi-step synthesis, inert reaction and moisture/air sensitive reaction handling, peptide chemistry catalysis and green chemistry.

Computational skill: Hand on Schrödinger software Drug Discovery Suite and Material Science Suite for Computer-aided Drug Design and other computational study.

Analytical techniques- Chromatography: Hands on experience in separation techniques such as Column chromatography, Flash chromatography, Liquid chromatography. Knowledge of analytical techniques such as NMR, HPLC, HPTLC, GC-MS, LC-MS.

Spectroscopy: Structure Elucidation of synthetic compounds based on data from MS, UV, FT-IR and NMR

Instrument handled: NMR (Agilent), HPLC (JASCO), Spectroflurometer, UV, FT-IT spectrometer (Perkin Elmer), DSC (Perkin Elmer), Autoclave (Labmate), pH meter, Glove box.

Scientific Data retrieval- from various internet portals like Scifinder, Science direct, Pubmed, WIPO, PDB, Google scholar, etc.

Computer Skills- Windows-XP/ Vista/7/ MS-Word/ Excel/ PowerPoint/ Chem- Draw, Chemskech etc

PUBLICATIONS:

1) **"Synthesis and *in-vivo* taste assessment of meloxicam pivalate"** in Drug Development & Industrial Pharmacy (IF-2.5), Taylor & Francis Publication

2) **"Binding studies of antipsychotic drug risperidone with β-Lactoglobulin using fluorimetry and molecular modelling"** in Royal Society of Chemistry (RSC) Conference Proceedings Book.

3) **"3D-QSAR and Pharmacophore modeling of 3,5-disubstituted indole derivatives as Pim kinase inhibitors"** in Structural Chemistry (IF- 1.6) Springer Science.

4) **"Comparative evaluation of ibuprofen co-crystals prepared by solvent evaporation and hot melt extrusion technology"** in Journal of Drug Delivery Science and Technology (IF-3.981) Elsevier

5) **"Virtual screening of milk proteins of risperidone for taste improvement; experimental validation of sodium caseinate binding by fluorometry and taste assessment by palatability"** in Royal Society of Chemistry (RSC) Conference Proceedings Book in press

6) **"Fragment based drug design (FBDD) of an exemplar inhibitor against spike glycoprotein of sars-cov-2**"in Royal Society of Chemistry (RSC) Conference Proceedings Book in press

MENTORSHIP FOR RESEARCH PROJECTS

Mentorship for project "Herbal taste mask mouthwash" at **CIIA-Inter-Institution Students Innovations Exhibition & Competition (CIISIEC)** was held on 1-3 Feb. 2023 at Nehru centre Worli.

Mentorship for project "Multifunctional herbal hair mask" at **CIIA-Inter-Institution Students Innovations Exhibition & Competition (CIISIEC)** was held on 1-3 Feb. 2023 at Nehru centre Worli.

Mentorship for project "Glucose Responsive Insulin Patch - smart, painless therapy to combat diabetes" at **CIIA-Inter-Institution Students Innovations Exhibition & Competition (CIISIEC)** was held on 29 & 30 March 2022 at Nehru centre Worli.

Mentorship for MET-IOP graduate students projects for **Avishkar Research convention**, University of Mumbai from academic year 2021-2022 and 2022-2023

SPEAKER IN INTERNATIONAL/ NATIONAL CONFERENCES/ WEBINAR

Delivered presentation on research topic entitled as "Glucose responsive Insulin patch to combat Diabetes" via Zoom platform in in 3rd International Scientific and Practical Conference" Modern Pharmaceutics: Actual problems and Prospects" in Tashkent city, Uzbekistan dated 25 November 2023.

Delivered presentation on research topic entitled as "Venture for handy automated device for diabetes embedded in body to monitor sugar level and for its therapeutics" via Webex platform 3rd International conference on Pharmaceutical Research and Drug Discovery held during November 21-22, 2023, **Paris, France.**

Delivered webinar on the topic "Glucose responsive Insulin patch to combat Diabetes" organized by **Parul Institute of Pharmacy and research, Gujrat** dated 06-September 2022

Delivered presentation of published research work which is entitled as " Synthesis of the prodrug to mask bitter taste and it's taste evaluation" as keynote speaker on first day of at plenary session at the International plenary Scientific and Practical Conference at Department of the Tashkent Pharmaceutical Institute, **Uzbekistan** via Zoom platform dated 18 November 2021.

Delivered presentation on Ph.D Thesis Titled as "Taste masking by inhibition of taste receptors" in National Research Conference 'Holistic value creation through sustainable development' organized by MET Institute of Management, Mumbai dated 30th April 2022.

Oral presentation on "Synthesis of prodrug to mask bitter taste and its taste evaluation" at **4th webinar on Pharmaceutical Research and Drug Discovery** held during August 31, 2021 via zoom platform

Poster Presentation entitled: "Screening potential taste masking agents using computer aided molecular modelling" held on 8th 9th April 2017 in **International Conference on Drug design (ICDD)** at **JNU,** New Delhi, India

Delivered two research oral paper presentations entitled as "The screening of milk protein for taste masking of risperidone (RIS) using molecular modelling and its interactions studies of RIS with sodium caseinate (NaCAS) by molecular modelling, fluorometric method its rat palatability for taste assessment" and "Fragment Based Drug Design (FBDD) of an exemplar inhibitor against spike glycoprotein of SARS-CoV-2" and received **certificate of appreciation for securing Appreciation place** in oral paper presentation Competition in International Conference on Current Trends in Drug Delivery, Development and Delivery (CTD4-2022) held during 21st to 22nd October 2022, Organized by K. L College of Pharmacy, K.L. Deemed to be University, Green Field, Vaddeswaram, Vijayawada, Andhra Pradesh, India.

Poster Presentation entitled: Virtual screening of milk proteins of risperidone for taste improvement, experimental validation of sodium caseinate binding by fluorometry and taste assessment using palatability study **in University level Research competition Avishkar 2019**, Shavitribai Phule pune university (SPPU), Pune.

Oral Presentation entitled "Binding studies of antipsychotic drug risperidone with β-Lactoglobulin using fluorimetry and molecular modelling" in the **Conference on Drug Design & Discovery Technologies (CDDT-2019)** held on 21th & 22th November 2019 at Ramaiah University of Applied Sciences (RUAS), Bangalore, India.

Oral presentation entitled "Identifying food based taste masking agents and their evaluation" in National Ph.D. Poster Symposium on **"Recent Advances in Chemical and Pharmaceutical Sciences" (RACPS-2019)** held on 21 December 2019 at **NIPER, Hyderabad.**

Oral presentation entitled "Synthesis of the prodrug to mask bitter taste and its taste evaluation held on 18th April 2021 at 8th World conference on pharmaceutical sciences and drug manufacturing, organized by Bioleagues Worldwide and Association of Pharmaceutical Research (APR) on 17 & 18 April 2021 at Bangkok, Thailand.

PROFESSIONL ACTIVITES

Attended seven days **"DST STRUTI ICT"** A hand on training program on analytical techniques for characterization of Pharmaceutical and Biopharmaceutical at Principal K.M Kundanani College of Pharmacy, Mumbai from 26th September to 2nd October 2022.

Attended Conference on **"Innovation for Equitable Growth"** organized by NRDC, Govt. of India at NIPER, Mohali.

Attended workshop on **"catalysis"** in Institute of Chemical Technology (ICT) Mumbai on 11 February 2016.

Attended workshop on "**Nanomaterial's: Emerging trends"** on 16-17 September 2016, Organized by Department of Physics, Institute of Chemical Technology (ICT) Mumbai.

Attended workshop on "**Laboratory safety-pitfalls and Remedies"** on 27-28 February 2017, Organized by Department of Chemistry, Institute of Chemical Technology (ICT) Mumbai.

Finishing School cum training program on **"Preparative processing and analysis of bio/pharmaceuticals"** held on 14th 18th March 2017, Institute of Chemical Technology (ICT) Mumbai.

Participated in workshop on Drug Design held at JNU New Delhi held on 7th April 2017

Attended workshop on "**Writing skills in research"** organized under aegies of TEQIP-III, in Institute of Chemical technology (ICT) Mumbai on held on November 29th December 1th 2017.

One day training programme on **"BET surface area analysis"** conducted under depart. Chemistry, Khalsa College, under DST-FIST scheme held on 16th December 2017

Attended one day workshop on "**Research paper drafting & IPR surfing"** organized on 18th October 2019 at AIC-ADT Baramati Foundation, Baramati, Pune.

Attended two days National level Seminar on **"Scale up, validation and Technology transfer"** on 10 th 11 th January 2020 Organized by Sinhgad Technical Education Society,s Smt. Kashibai Navale College of Pharmacy, Kondhawa, Pune

Underwent 30 days **Industrial training** during B.PHARM in **SHALINA Pharma.** Pvt. Ltd., Jejuri Purandhar, pune

AWARDS AND RECOGNITION

Received prestigious MET GAURAV awards for International/National level excellence by Mumbai Educational Trust (MET), Mumbai on 26th January 2023.

Received certificate of Appreciation for express gratitude for contribution to the prestige of the "World Pharmacist Day" held on 25th September 2022 by the Indian Pharmaceutical Association (IPA).

EXTRA-CURRICULAR ACTIVITIES

Participated in **National Service Scheme (N.S.S)** conducted by Seth Govind Raghunath Sable, (SGRS) College of Pharmacy, Saswad, Pune University.

Participated in blood donation camp as donor ten time.

KEY PERSONL ATTRIBUTES

Ability to work as a team as well as independently on defined tasks with need of limited supervision & managing multiple tasks excellently. Organizational and planning skills

REFERENCES

Prof. (Mrs.) M. S Degani
Professor in Pharmaceutical Chemistry
Formal Head, DPST, ICT, Mumbai
Phone: +91-9892010414
Email: ms.degani@ictmumbai.edu.in

Prof. A. K. Chakraborti
Former Prof. and Head in NIPER Mohali.
Email: akchakraborti@niper.ac.in
Phone: +919417770515

DECLARATION: I hereby declare that all the entries are correct to the best of my knowledge. I assure you that, if chance is given to me, I will prove myself as an asset to your organization.

Date & place **Dr**. **Bandoo Chhagan Chatale**