



## PRIYANKA TIWARI

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### Objective

To contribute meaningfully to the academic and professional growth of students by fostering a dynamic learning environment rooted in scientific curiosity, ethical research, and innovation. I aim to inspire and mentor young minds towards excellence in pharmaceutical sciences, while actively promoting Entrepreneurship and translational research through experiential learning, institutional innovation frameworks, and value driven education.

### Education

- MOE's INNOVATION CELL** 2021-2024  
INNOVATION AMBASSADOR- Foundation level/Advanced level/Up-Skilling and Re-Skilling
- Goa University - PES's Rajaram and Tarabai Bandekar College of Pharmacy, Ponda, Goa** 2019  
[GOLD MEDALIST]  
M.Pharm  
82.35%
- Goa University - PES's Rajaram and Tarabai Bandekar College of Pharmacy, Ponda, Goa** 2017  
[1st Ranker in 1st, 2nd, 3rd year B.Pharm]  
B.Pharm  
71.41%
- CBSE Board - Kendriya Vidyalaya No. 1, Vasco-Da-Gama, Goa** 2013  
HSSC  
76.8%
- CBSE Board - Kendriya Vidyalaya, Vasco-Da-Gama, Goa** 2011  
SSC  
8.6 CGPA

### Experience

- Total 5.7 years experience**
- Acharya Institutes (Rajiv Gandhi University of Health Sciences) - Bangalore, Karnataka.** 09/10/2019 - 29/05/2020  
Assistant Professor  
Lecture on regular basis and demonstrating excellence in research
- Sanjivani College of Pharmaceutical Education and Research (Savitribai Phule Pune University)-Maharashtra** 06/07/2020 - 14/12/2021  
Assistant Professor & Innovation Ambassador  
Lecture on regular basis and demonstrating excellence in research
- KLE College of Pharmacy, Bengaluru, Karnataka (KLE Deemed University)** 05/04/2022 - Present  
Assistant Professor & Innovation Ambassador  
Lecture on regular basis and demonstrating excellence in research

### Research Projects

- Design and synthesis of fused heterocycles, characterization and evaluation for anticancer and antibacterial activity.
- Design and synthesis of novel linomide analogues for anticancer activity.
- Design, Synthesis and Characterization of substituted thiazole derivatives of linomide for anticancer and antibacterial activity.
- Design, Synthesis and biological evaluation of heterocyclic compounds
- Exploring pharmacological effect of Magniferin using Network Pharmacology and Molecular Docking studies  
On going

### Publications

- Design, synthesis of 6-substituted-4-hydroxy-1-(2-substitutedalicyclic amino) acetylquinolin-2(1H)-one derivatives and evaluation of their in-vitro anticancer activity.

Published in IJCB, Vol 58B, October 2019, pp: 1167-72. - impact factor - 0.2

- **Design, synthesis, characterization and evaluation of 4-hydroxy-1-phenyl/methyl-3-(2-substituted-2-thioxoethyl)quinolin-2(1H)-one derivatives for in-vitro anticancer and antibacterial activity.**  
Published in 53rd IHPA Annual International Conference, Feb 2018 Magazine.
- **Design, synthesis and characterization of series of 6-substituted-4-hydroxy-1-(2-substitutedthiazol-4-yl)quinolin-2(1H)-one derivatives and evaluation of their in-vitro anticancer and antibacterial activity.**  
Communicated to Journal of Indian Chemical Society (Elsevier Edition). Manuscript No: JINCS-D-21-01186 - impact factor - 3.2
- **Design, synthesis, molecular docking and biological evaluation of Tetrazole Derivatives for Antimicrobial potential**  
Frontiers in Health Informatics ISSN: 2676-7104, 2024; Vol 13: Issue 3; 5446-53 - impact factor: 0.2
- **In-silico Molecular Docking of essential oil for antibacterial activity**  
African Journal of Biological Sciences - Vol 6, Issue 4 (2024) - impact factor: 2.1
- **Indian Design Patent**  
Portable Blood Analyzer for Instant Estimation of Blood Glucose. Design No: 406187-001
- **Design, Synthesis, And Biological Activity Of Some Novel Quinoline Derivatives.**  
Journal of Neonatal Surgery ISSN(Online): 2226-0439 Vol. 14, Issue 7 (2025) <https://www.jneonatsurg.com>
- **"Azadirachta indica A. Juss Ameliorates Memory Deficits and Reduces Anxiety-Like Behaviour by Modulating Cholinergic Neurotransmission in An Animal Model of Depression: In-Silico and In-Vivo Studies"**  
Traditional and Integrative Medicine, Vol 10, Issue 3, 2025
- **Evaluation of Quercus Infectoria Phytoconstituents Against Oral Cancer: Network Pharmacology, Docking Simulation, and In Vitro Cytotoxicity Assay**  
Wiley- Food Science & Nutrition, Vol 13, Issue 9 (IF : 3.8)
- **Design, synthesis of series of 6-substituted-4-hydroxy-1-(4-substitutedphenyl)sulfonyl quinoli-2(1H)-thione derivatives and evaluation of their in-vitro anticancer activity.**  
In process for communication
- **Design, synthesis and characterization of series of 4-hydroxy-1-phenyl/methyl-3-(2-(substituted thiazol)-4-yl)quinolin-2(1H)-one derivatives and evaluation of their in-vitro anticancer and antibacterial activity.**  
In progress of communication
- **Repositioning Dasatinib**  
Manuscript under process for communication
- **LC-MS Profiling and Anti-inflammatory activity of Saurauia fasciculata Bark: Network Pharmacology, Molecular Docking, MD simulation, and In-vitro Validation**  
Natural Product Communication Q2, Vol 20, Issue 11, (IF : 1.4)
- **Investigation of Phytochemicals and Inflammatory Response Modulation by Himalayan Orchid Root Extract**  
Journal of Neonatal Surgery, Vol 14, Issue 7
- **Pharmacokinetic modeling and molecular docking of Herbal Bioactives: Towards the Design of Novel Oral Drug Delivery System**  
Journal of Rare Cardiovascular Disease, Vol 5, Supplement 3, year 2025
- **Indian Design Patent: AI based Molecular Modeling and synthetic console**  
Design Patent No: 459912-001

## Achievements & Awards

- Letter of Appreciation from Shri KAPIL SIBAL Honourable MINISTER OF HUMAN RESOURCE DEVELOPMENT, COMMUNICATIONS AND INFORMATION TECHNOLOGY, GOVERNMENT OF INDIA.
- Letter of Appreciation and Prime Minister's Scholarship from Shri NARENDRA MODI, Honourable PRIME MINISTER OF INDIA.
- Recieved Gold Medal in M.Pharm at Goa University in presence of honorable Shri Venkaiah Naidu, Vice-president of India and honorable Shri Pramod Sawant, Chief Minister of Goa.
- Recieved Association of Pharmaceutical Teachers of India Gold Medal in presence of honorable Shri Venkaiah Naidu, Vicepresident of India and honorable Shri Pramod Sawant, Chief Minister of Goa.
- IPA Award from INDIAN PHARMACEUTICAL ASSOCIATION for securing highest marks at M.Pharm examination.
- 1st Ranked at 1st and 2nd Year M.Pharm.
- 1st Ranked at 1st, 2nd and 3rd Year B.Pharm.
- GPAT QUALIFIED with All India Rank of 1477.
- Research Paper Published in IJCB, Vol 58B, October 2019, pp: 1167-72.
- Titled as Adarsh Vidyarthini in HSSC at Kendriya Vidyalaya No. 1, Vasco-Da-Gama, Goa in year 2012.
- 2nd place in Drawing and painting competition at Kendriya Vidyalaya.
- 2nd place in Handwriting competition at Kendriya Vidyalaya
- 1st Place in Mime competition at RADICALS at PES's Rajaram and Tarabai Bandekar college of Pharmacy, Ponda, Goa.
- 2nd place in MAD-AD competition at RADICALS 2017 at PES's Rajaram and Tarabai Bandekar College of Pharmacy, Ponda, Goa.

- 2nd place in Fashion show competition at RADICALS 2017 at PES's Rajaram and Tarabai Bandekar College of Pharmacy, Ponda, Goa.
- 2nd place in mannequin challenge in RADICALS 2017 at PES's Rajaram and Tarabai Bandekar College of Pharmacy, Ponda, Goa.
- 3rd Place in Stand-up comedy and mimicry in RADICALS at PES's Rajaram and Tarabai Bandekar College of Pharmacy, Ponda, Goa.
- Prize for best poetry in English section during 60th National Pharmacy Week at Goa Medical College, Bambolim.
- Undergone "Innovation Ambassador" training (Foundation Level/Advanced level/Up-skilling and Re-skilling level) by Ministry of Education's Innovation Council, Govt of India in academic years 2021-2024.
- Letter of Appreciation from "Ministry of Education's Innovation Cell for support and contribution towards building the innovation and entrepreneurship culture development in academic year 2021-22, 2022-23 and academic year 2023-24.
- Achievement in Institution's Innovation Cell Ranking and Rating: As a coordinator, I successfully spearheaded the Institution's Innovation Cell (IIC) to achieve remarkable upgrade in its Ministry of Education, Innovation Cell, Govt of India star rating. Rising from 1 star in 2021-22 to 2 star in 2022-23 and most recently with a 3 star rating for academic year 2023-24.
- Received "Best Innovation Ambassador" award from Ministry of Education's Innovation Cell, Govt. of India and AICTE
- Awarded "Certificate of Appreciation for contribution as college SPOC in SMART INDIA HACKATHON 2025" by Ministry of Education's Innovation Cell, Govt. of India and AICTE.

## Skills

- Knowledge of Drug Design
- Experience of working on Chem Draw
- Experience of performing Docking Studies
- Experience of working on instrument UV-VISIBLE SPECTROPHOTOMETER - SHIMADZU 1800
- Experience of working on instrument FTIR - SHIMADZU AFFINITY-1 SPECTROPHOTOMETER
- Computer Skills - MS Office (Word, Excel, Power Point), Internet
- Experience of teaching on virtual platform using Zoom, Google meet, Google Classroom and LMS and developing E-content video lecture
- Experience in conducting ADMET analysis
- Public speaking and presentation
- Event organization and management
- Leadership and facilitation
- Mentoring and guidance
- Critical peer review of scientific manuscripts

## Internship Training

- 1 month Internship training at Cipla Ltd, Verna, Goa from 2nd June - 30th June 2016.
- 1 month Internship training at Medical Emporium from 23rd July - 23rd August 2018.

## Responsibilities

- Teaching & Research
- "Innovation Ambassador" under "Ministry of Education's Innovation Council"
- "Innovation Activity Convenor & Coordinator" under KLE IIC BANGALORE
- "Code of Conduct & Professional ethics Committee" coordinator
- Diploma sessional committee In-charge
- Cultural event committee member
- NAAC Criteria 6 committee member
- Minutes of Meeting (Teaching staff) Documentation coordinator
- Class Teacher & Mentor
- UG Chemistry Lab Incharge

## Activities

- Coordinated and participated in National/International FDP, Workshops, conferences
- Participated and presented Oral/Poster presentations in National/International Conferences
- Delivered talks as expert/guest speaker in orientation program, workshops, guest talk in various colleges and schools and CPE program by Goa state pharmacy council on various topics like "Innovation and Entrepreneurship as career opportunities", "Design Thinking in healthcare", "Code of Conduct and professional ethics in pharma", "Time management and strategies for Innovators", AI in healthcare and CADD etc.

- Performed critical peer review of scientific manuscripts for wiley journal.
- Coordinated and conducted various field visits for students and faculty
- Served as Master of Ceremony (Host) for FDP, guest talks and workshops
- Coordinated and conducted internal Hackathons for faculty and students
- Conducted clinic sessions for students to orient and mentor students with their projects and innovative ideas regarding problems and challenges given by Ministry of Education Innovation cell
- Coordinated and conducted Smart India Hackathons in Institute and mentored students to participate
- Attended Regional meets with Ministry of Education's Innovation Cell members and coordinators and
- Coordinated orientation program for new academic sessions for fresher students of 1st year B.Pharm, M.Pharm, Pharm.D and D.Pharm
- Coordinated and conducted various responsibility of diploma sessional committee
- Coordinated and conducted various activities of cultural committee
- Prepare & maintenance of MoM documentation (faculty)
- Various responsibility of UG Chemistry Lab incharge
- Recording and preparing E-content video lectures for study material
- Conducted various activities for sensitization and code of conduct and professional ethics for students

## Interests

- Teaching
- Research
- Mentoring and Academic Guidance
- Guest Lecturing and knowledge sharing
- Mentoring Innovative ideas

## Language

- Hindi
- English

## Hobbies

- Sketching
- Dancing
- Mimicking
- Singing

## Declaration

- I hereby declare that all the above information is correct to the best of my knowledge and belief.

Signature: \_\_\_\_\_



Priyanka Tiwari