



Premlata Ambre

M. Pharm, PhD (Tech.)

Associate Professor

Department of Pharmaceutical Chemistry

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Bombay College of Pharmacy,
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RESEARCH EXPERTISE

- Synthesis and evaluation of novel anti-infective and anticancer agents using drug design approaches
- Synthesis of graft and smart co- polymers for pharmaceutical applications
- Waste water remediation
- Polymer conjugated drug delivery systems for cancer therapy

Publications: 20

Book Chapters:02

Presentations: --

<https://scholar.google.com/citations?user=pcsyYSgAAAAJ>

Government grant: 11

Industrial projects / consultancy: 08

M. Pharm students guided: 37

Ph. D students guided: 02.

TECHNICAL SKILLS

Synthesis of small molecules

Synthesis of smart co polymers

Impurity profiling using flash chromatography

Wastewater remediation using natural polymeric composites

EXPERIENCE

Academic: 20 years

Industrial: ---

TEACHING FIELDS

- UG : Organic Chemistry, Pharmaceutical Chemistry, Synthon approach (Elective), Green Chemistry (Elective), Lead optimization (Elective)
- PG.: Advance Pharmaceutical Chemistry, Advance Organic Chemistry

EDUCATION

B. Pharm

C.U.Shah College of Pharmacy
SNDT University. (1991-1995.)

M. Pharm

Bombay College of Pharmacy
Mumbai University (1996-1998)

Ph. D (Tech.)

Bombay College of Pharmacy
Mumbai University (2001)

RECOGNITIONS & HONORS

- First prize and Rs. 50,000 cash prize for oral presentation on the research project entitled "Design and Synthesis of Inhibitors for different targets of Plasmodium falciparum" in May 2008, at National Student Research Convention organized by Association of Indian Universities, New Delhi and University of Pune, Anveshan-2008.
- Best poster award at 2nd Annual Drug Information Association (DIA) - May 2009 conference for the project entitled "Design and synthesis of novel inhibitors for Plasmodium falciparum Lactate Dehydrogenase (PfLDH)".
- Best poster award at 61st Indian Pharmaceutical Conference for project entitled "Engineering novel hits as Lactate dehydrogenase

- inhibitors for Plasmodium falciparum species" in Dec. 2009 at Ahmedabad.
- First Prize winner for Oral and Poster competition of AVISHKAR 2014 at University Research level (PG stream), "Thermoresponsive biomaterials for water purification " in Jan 2015 at Nagpur
 - First Prize winner for Oral and Poster competition of AVISHKAR 2015 at University Research level (PG stream) competition on the research project entitled "Centri-Sep" – A novel column chromatography technique
 - First Prize winner for Oral and Poster competition of AVISHKAR 2015, Inter-University Research competition at category Medicine and Pharmacy - UG level on the research project entitled "Master solution to overcome tablet swallowing problem"
 - First Prize winner for Poster presentation along with a cash Prize of Rs. 5000 at Selective approaches in pharmaceutical chemistry and drug discovery and poster competition on Saturday 19th March 2016 at Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai on the research project entitled "Synthesis and evaluation of thermoresponsive graft polymers for eliminating the toxic levels of heavy metals, herbicides and pesticides from wastewater"
 - First Prize winner under Material Science division for Poster presentation at the 1st International Conference on Material and Environmental Science [ICMES-2018] sponsored by CSIR, New Delhi on 7th and 8th December, 2018 at Shivaji University, Kolhapur (India) on the research project entitled "Smart Biodegradable Materials for Wastewater Management"
 - First Prize winner for Poster presentation and cash Prize of Rs. 5000 at International Conference on Advances in Material Science and Applied Biology (AMSAB) organized by Mukesh Patel Auditorium SVKM's NMIMS (Deemed-to-be University), Mumbai, India January 8-10, 2019 on the research project entitled "Recyclable Functionalized Graft Biodegradable Smart Materials for Wastewater Treatment and Reuse"
 - Third Prize winner for Oral and Poster competition of AVISHKAR Research Convention 2020 Final round (University level) under UG stream, for the project entitled "Smart prototype device for industrial wastewater recovery and reuse" at Bombay College of Pharmacy on Jan 6th, 2020