

## Dr. (Mrs) Urmila J. Joshi

Designation: Principal and Head of Department of Pharmaceutical Chemistry

Date of Joining: 1<sup>st</sup> September 1990 (Principal since 16<sup>th</sup> April 2015)

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Research area:

1. Rational drug design using *in-silico* methods like 2D-QSAR, pharmacophore generation and 3D-QSAR studies, molecular docking, molecular dynamics, and others
2. Design and Synthesis of Novel Compounds for evaluation of their antiproliferative and kinase inhibitory effects
3. Other research areas explored in terms of rational drug design are for synthesis of molecules and evaluation of anti-inflammatory, antifungal and antidepressant activity
4. Green Chemistry and its applications

Educational Qualifications:

Degree	University	Year	Specialisation
Ph. D	Institute of Chemical Technology	1991	Pharmaceutical Chemistry
M. Pharm	University of Mumbai	1987	Pharmaceutical Chemistry
B. Pharm	University of Mumbai	1985	Pharmacy

Courses Taught: Pharmaceutical Chemistry, advance Pharmaceutical Chemistry, Organic Chemistry, Synthon and Pharmaceutical Analysis

Research outputs:

- 1) Publications: a) National 18                      b) International 18
- 2) Patents: Nil
- 3) Book chapters: 1 (Accepted)
- 4) Conferences: a) National 40                      b) International 11

Ongoing Projects:

<b>Sr. No.</b>	<b>Project Title</b>	<b>Project Duration</b>	<b>Amount Received</b>	<b>Funding Agency</b>
1.	Design and Synthesis of Dual Inhibitors of c-MET and VEGFR kinases	2019-22	Rs. 10, 19, 000/-	AICTE RPS
2.	Synthesis and pharmacological evaluation of novel c-Met inhibitors for treatment of carcinomas	2018-21	Rs. 28,42,000/-	DST SERB
3.	Discovery of novel and potent multi-kinase inhibitors for treatment of cancer	2018-21	Rs. 13,70,400/-	ICMR SRF
4.	Facility for the Development of Drugs Targeting Epidemics, Cancer and Life Style Diseases	2016-21	Rs. 79,50,000/-	DST FIST

Membership of Professional Bodies:

1. Member, UDCT Alumni Association
2. Member, IPA.
3. Life Member, APTI