

**Name of the Faculty:** Raghuvir R. S. Pissurlenkar M Pharm Sci PhD (Tech) MRSC  
**Designation:** Associate Professor  
**Department:** Pharmaceutical Chemistry  
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**Educational Qualifications:**

Sr. No.	Degree	University	Year of Award
1.	PhD (Tech) in Pharmaceutical Chemistry	Mumbai University	2010
2.	M. Pharm. Sci. in Pharmaceutical Sciences (Chemistry)	Mumbai University	2004
3.	B. Pharm. Sci.	Goa University	2002

**Area of Interest:**

<b>Teaching</b>	Organic Chemistry, Pharmaceutical and Medicinal Chemistry, Rational Drug Design, Research Methodology, Biostatistics
<b>Research</b>	Structure-based Drug Design; Bio-molecular Simulations

**Awards and Fellowships:**

Sr. No.	Award/Fellowship	Year of Receipt
1.	UGC Travel Grant to present Research Paper at "7th Asia-Pacific Biotechnology Congress", Beijing China, 13th – 15th July 2015	February 2015
2.	Best Research Paper Inter-University Research Festival – Avishkar 2009, Solapur University Solapur.	January 2010
3.	Best Presentation Award, 6th PhD Symposium by RSC – West India Section, Goa University.	October, 2007
4.	Best Outgoing Student, B. Pharm. Sci.	May, 2002

**Projects Guided:**

Year	2012-14	2013-15	2017-19
<b>B. Pharm</b>	---	---	---
<b>M. Pharm</b>	02	04	01

**Research Statistics (last five years):**

Year	Total	2017	2016	2015	2014	2013
<b>National Research Papers</b>	<b>05</b>	01	---	---	01	---
<b>International Research Papers</b>	<b>38</b>	---	04	09	05	03
<b>National Research Presentations</b>	<b>40</b>	---	---	---	03	07
<b>Conference Proceedings</b>	<b>05</b>	---	---	02	---	01
<b>International Research Presentations</b>	<b>02</b>	---	---	01	---	01
<b>National Patents</b>	<b>01</b>	---	---	---	---	---
<b>International Patents</b>	<b>02</b>	---	---	---	---	02

**Recent Publications:**

Sr. No.	Paper Title	Journal / Year / Vol / Page
1.	Physical basis for the ofloxacin-induced acceleration of lysozyme aggregation and polymorphism in amyloid fibrils	Arch. Biochem. Biophys. 2016, 592, 9-16.
2.	Evaluation of use of risedronate as an antibiofilm agent	J. Med. Microbiol. 2016 65, 9-18.
3.	In silico optimization of pharmacokinetic properties and receptor binding affinity simultaneously: a "parallel progression approach to drug design" applied to $\beta$ -blockers.	J. Biomol. Struct. Dyn. 2016 34, 384-398.
4.	Characterization of pioglitazone cyclodextrin complexes: Molecular modeling to in vivo evaluation.	J. Pharm. Bioallied Sci. 2016 8, 161 - 169.
5.	Effects of Hesperidin, A Flavanone Glycoside Interaction on the Conformation, Stability and Aggregation of Lysozyme. Multispectroscopic and Molecular Dynamic Simulation Studies.	J. Biomol. Struct. Dyn. 2015, 33, 1866-1879.

**Recent Patents:**

Sr. No.	Patent Title	Patent Number
1.	6-Methyl-4-phenyl-5-(phenyl or cycloalkyl)carbamoyl-1,2,3, 4-tetrahydropyrimidin-2-one derivatives as antitubercular agents	WO2011151701A1
2.	6-Methyl-4-phenyl-5-(phenyl or cycloalkyl)carbamoyl-1,2,3, 4-tetrahydropyrimidin-2-one derivatives as antitubercular agents	CN102971301A

**Books/ Chapters published:** NIL**Recent Presentations:**

Sr. No.	Presentation Title	Conference Details
1.	QSAR Methodologies for Peptide Design	7th Asia Pacific Biotech Congress, Beijing, China, 13th – 15th July, 2015
2.	Homology Modelling of GPR119 Receptor for Identifying Novel Leads	21st ISCB International Conference (ISCB-2015) "Current Trends in Drug Discovery and Developments", Central Drug Research Institute, Lucknow, 25th – 28th February, 2015
3.	Investigation of Binding of <i>Acetyl CoA Carboxylase 2</i> (ACC2) Inhibitors by Comparative Residue- Interaction Analysis (CoRIA)	16th International Workshop on QSAR in Environmental and Health Sciences", Milan, Italy, 16th – 20th June 2014
4.	Pharmacophore Mapping Studies To Identify Novel HCV RNA Polymerase Inhibitors	Recent Advances Computational Drug Design" 2013, IISc Bangalore 16th – 17th September 2013
5.	Potential Anti-tubercular Hits: Design, Synthesis and Evaluation of 2,5 di-substituted benzimidazoles	National Symposium on "Frontiers of Biophysics, Biotechnology and Bioinformatics" & 37th Annual Meeting of Indian Biophysical Society (IBS), Mumbai 13th – 16th January, 2013

**Lectures Delivered at QIP / National and Regional Workshops / Symposiums / Conferences:**

Sr. No.	Title of the Talk	Conference Details
1.	An Overview of Fragment-based Approach in Drug Design	UGC sponsored National Conference on "Emerging Trends of Biotechnology: A Paradigm shift towards cleaner and greener India" organized by Khalsa College Patiala, Patiala, 8th October 2016.
2.	Identification and Characterization of novel targets for Drug Discovery Research	DST-SERB sponsored "Two Days National Seminar" on "Biomolecular and Insilco methods as alternatives to the use of animals for

		bioactivity assessment” organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur, 25th – 26th September 2015.
3.	Pharmacophore Modelling	AICTE sponsored Staff Development Programme on “New Facets of Medicinal Chemistry in Drug Discovery” organized by Bombay College of Pharmacy, Mumbai, 18th – 23rd February, 2013
4.	QSAR Techniques	DBT sponsored on Workshop on “Applications in Bioinformatics” organized by Bioinformatics Centre Cancer Research Institute, ACTREC Tata Memorial Centre Kharghar, Navi Mumbai, 22nd February, 2013

**Projects Co-ordinated with UGC/ DST/ AICTE/ CSIR/ others:**

Sr. No.	Theme of the Project Co-ordinated
1.	AICTE sponsored Staff Development Programme on “New Facets of Medicinal Chemistry in Drug Discovery” organized by Bombay College of Pharmacy, Mumbai, 18th – 23rd February, 2013.
2.	“Tripos’ Workshop on Drug Design” Tools jointly organized by Brainwave Bio-solutions and Bombay College of Pharmacy, 12th – 13th May 2010.
3.	Workshop on “QSAR and Statistical Analysis” organized by Industry – Institute Partnership Cell, at the Bombay College of Pharmacy and Accelrys Inc., Mumbai, 28th March, 2008.
4.	Workshop on “Molecular Modelling and Structure-based Drug Design” organized by Industry – Institute Partnership Cell, at the Bombay College of Pharmacy, Mumbai, 23rd March, 2007.

**Grants applied / awarded: NIL**

Sr. No.	Title of the Project	Funding Agency	Status	Amount Sanctioned

**Industry-Academia Interaction: NIL**

**Consultancy: NIL**

**Memberships of Professional Societies:**

Sr. No.	Professional Societies	Membership No.
1.	Royal Society of Chemistry	66124
2.	American Chemical Society	30833542
3.	Indian Biophysical Society (IBS)	568
4.	Indian Pharmaceutical Association (IPA)	MAH/BOM/LM/1436
5.	Association of Pharmaceutical Teachers of India (APTI)	MA/LM-2075
6.	National Magnetic Resonance Society (NMRS)	