


## **PROFILE**

<b>Name</b>	<i>Dr. (Mrs.) RAJASHREE S. HIRLEKAR</i>
	<b>Designation:</b> Prof., Dept. of Pharmaceutics <b>Specialization:</b> Pharmaceutics <b>Qualifications:</b> M. Pharm., Ph. D.
<b>Academic Experience</b>	<i>24 Years</i>
<b>Industry Experience</b>	<i>01 Year</i>
<b>Publications</b>	National - 33 International – 20 Important Publications: <ol style="list-style-type: none"><li>1. Inclusion complexes of Terfenadine- cyclodextrins. Drug Development and Industrial Pharmacy. 21(3): 375-381 (1995)</li><li>2. Design and evaluation of a sustained release gastroretentive dosage form of captopril: A technical note. AAPS PharmSciTech. 9(3):836-839 (2008)</li><li>3. Preformulation study of the inclusion complex irbesartan-<math>\beta</math>-cyclodextrin. AAPS PharmSciTech. 10(1):276-281 (2009)</li><li>4. Preparation and characterization of inclusion complexes of carvedilol with methyl-<math>\beta</math>-cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry.63 (3):219-224 (2009)</li><li>5. Design of buccal drug delivery system for a poorly soluble drug. Asian Journal of Pharmaceutical and Clinical Research. 2(3): 49-53 (2009)</li><li>6. Studies on the effect of water-soluble polymers on drug-cyclodextrin complex solubility. AAPS PharmSciTech.10 (3):858-863 (2009)</li><li>7. Design and evaluation of buccoadhesive drug delivery system of metoprolol tartrate. International Journal of Pharm Tech Research. 2(1): 453-462 (2010)</li></ol>

	<p>8. Study of Inclusion complexes of valsartan with beta-cyclodextrin and hydroxypropyl beta-cyclodextrin. Journal of Scientific and Industrial Research. 69: 295-299 (2010)</p> <p>9. Innovation in Drug Delivery System: Supercooled Smectic Nanoparticles, Current Drug Therapy, 7(1): 56-63(2012)</p> <p>10. Fullerene as a novel drug carrier International Journal of Research and Reviews in Pharmacy and Applied Sciences 3(3): 351-369,(2013)</p> <p>11. Curcumin: In-Vitro Anticancer Activity and Novel Drug Delivery Systems, American Journal of Pharmtech Research, 3(3): 217-236.(2013)</p> <p>12. A New stability indicating RP-HPLC method for determination of Curcumin: An application to nanoparticulate formulation, International Journal of Pharmacy and Pharmaceutical Sciences, 8(12), 149-155(2016)</p> <p>13. Edible Vaccines: An Advancement in Oral Immunization Asian Journal of Pharmaceutical and Clinical Research 10(2),1-7,(2017)</p> <p>14. Advances in Drug Delivery from Nose to Brain: An Overview Current Drug Therapy Volume 13 , Issue 1 , (2018)</p> <p>15. Preparation and Characterization of Oral Nanosuspension Loaded with Curcumin, International Journal of Pharmacy and Pharmaceutical Science 10: 90-95 ,(2018)</p>
<b>Area of Specialization</b>	Ph. D. Pharmaceutics
<b>Research Interests</b>	<ul style="list-style-type: none"> <li>• Solubilization by Cyclodextrin complexation</li> <li>• Floating drug delivery systems</li> <li>• Buccal drug delivery systems</li> <li>• Lipoidal drug delivery systems</li> <li>• Nanoformulations</li> <li>• Anticancer formulations</li> </ul>
<b>Awards</b>	<ul style="list-style-type: none"> <li>• Received the Certificate of Merit for “Functional Excellence in the subject” in the year 1996-97 awarded by Bharati Vidyapeeth’s College of Pharmacy</li> <li>• Received ‘Best Teacher Award’ in the years 1997-98 and 2010-2011 at Bharati Vidyapeeth’s College of Pharmacy.</li> <li>• Received “Most Resourceful Person Award” in VES College of Pharmacy for the academic year 2013-14</li> </ul>

<b>Scientific &amp; Professional affiliation</b>	<ul style="list-style-type: none"> <li>• Life member of IPA, APTI and MSPC</li> <li>• Recognized M. Pharm. guide in Pharmaceutics and Quality Assurance subjects at University of Mumbai</li> <li>• Recognized Ph. D. guide in Pharmaceutics at University of Mumbai</li> <li>• Guided 33 students (with grade A) for M. Pharm.</li> <li>• Currently guiding 07 students for M. Pharm.</li> <li>• Presented posters in international and national conferences</li> <li>• Referee for M. Pharm thesis at C. U. Shah College of Pharmacy, S.N. D. T. University, Mumbai</li> <li>• Referee for M. Pharm and Ph. Thesis at I. C. T. University, Mumbai</li> <li>• Reviewer of National and International journals such as Journal of Controlled Release, Drug Development Industrial Pharmacy etc.</li> </ul>
<b>Patent</b>	<ul style="list-style-type: none"> <li>• Patent entitled “Curcumin Microemulgel”, patent application No. 3800/MUM/2013A published in The Patent Office Journal on 07/08/2015, Date of filing of Application :04/12/2013.</li> </ul>
<b>Other Information</b>	<ul style="list-style-type: none"> <li>• Received three research grants from University of Mumbai during period 2006-07, 2008-09, 2013-14 and 2016-17.</li> <li>• Received research grant from Department of Biotechnology of <b>Rs. 18.6 lakhs</b> in the year 2009-10</li> <li>• Received research grant from AICTE of <b>Rs. 21 lakhs</b> in the year 2013-14</li> </ul>
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