

Sheela Modani

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**Research Interests:**

To explore the potential of different dosage forms and innovative formulation strategies so that unmet medical needs can be met. Solid Oral dosage forms such as sustained release dosage forms so as to achieve pharmacokinetic profiles which can avoid multiple dosing in patient. Delayed release dosage forms to overcome issue of stability of API in acidic pH of stomach. Transdermal drug delivery systems as an alternate for the oral delivery which can add to clinical improvement and patient convenience. Nanoformulations to improve bioavailability of drugs so that dose of API can be reduced this can improve efficiency of the therapy and reduce side effects.

Education:

1. M. Pharm. Pharmaceutics [2009-2011], Bombay College of Pharmacy, Santacruz, Mumbai, India
2. B. Pharm. [2006-2009], NDMVP Smaja's College of Pharmacy Nasik, Maharashtra
3. D. Pharm. [2004-2006], D. Pharmacy Institute, Osmanabad, Maharashtra

Professional Recognition, Awards, Achievements:

1. Won **2nd prize** in **YICC 2010** (Young Innovative Choice Competition) at ICT (Institute of Chemical Technology) Mumbai
2. Passed General course on Intellectual property conducted by **WIPO 2010**
3. Recipient of **Mahindra Scholarship** in each year of B. Pharmacy for securing **1st rank** in college (2007,2008 and 2009)
4. Participated in National level **Pharmacy Talent Search** examination (2008) organized by Pharma Helpline Society, Mansarovar, Jaipur, **6th rank** at all India level
5. Recipient of **Sir RatanTata Scholarship** for securing **1st rank** in Maharashtra State in D. Pharmacy (2006)

Representative Publications: [Selected 7 publications only]

1. **Modani S**, Kharwade M, Nijhawan M. Quantum Dots: A Novelty of Medical Field with Multiple Applications, Int J Curr Pharm Res, 2013;5(4), 55-59.
2. Kharwade M, Nijhawan M, **Modani S**. Nanorobots: A Future Medical Device in Diagnosis and Treatment Research Journal of Pharmaceutical, Biological and Chemical Sciences 2 RJPBCS, 2013;4 (2), 1299.
3. Shinde U, Pokharkar S, **Modani S**. Design and evaluation of microemulsion gel system of nadifloxacin. Indian J Pharm Sci. 2012;74(3), 237-47.

Conference Publications: [Selected 5 oral/poster presentations]

1. 62nd IPC (Indian Pharmaceutical Congress) at Manipal on 17-19th Dec 2010 and presented poster on Development and Evaluation of Azelastine Microspheres for Ocular Drug Delivery.
2. 11th International symposium of CRSIC (Controlled Release Society Indian Chapter) at Mumbai on 16th and 17th Feb 2011 and presented poster on Design and Evaluation of Repaglinide Nanoemulsion for Diabetes Mellitus.