

TRAPTI SAXENA

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**Research Interests:**

My area of research is development and characterization of novel drug delivery systems. I have prepared a novel mucoadhesive PEGylated microspheres based dual drug delivery system for the treatment of *helicobacter pylori* and characterize it for mucoadhesivity and did microtomy studies. Recently my main focus is into development and optimization of self nano-emulsifying drug delivery systems for BCS II drugs and assessment of enhanced bioavailability by *in vivo* studies. I have developed SNEDDS of poorly water soluble drugs like triazole antifungal agents and antilipidemic drugs and carried out pharmacokinetic studies to evaluate the enhancement of bioavailability.

Education:

1. Per suing Ph. D.(2008 batch registered) from JNTU, Hyderabad
2. M. Pharm (2001-2003) - Dept of pharmaceutical sciences, Dr. H. S. Gaur University, Sagar (M.P.)
3. B. Pharm (1997-2001) - Dept of pharmaceutical sciences, Dr. H. S. Gaur University, Sagar (M.P.)

Research Funding:

1. Awarded Junior Fellowship by University Grants Commission, Ministry of Human Resources, Government of India, Sept 2001 - Feb 2003

Professional Recognition, Awards, Achievements:

1. Got 1st prize for best oral presentation in national conference Innovate-13 at Pulla reddy institute of pharmacy, Hyderabad
2. Qualified GATE - 2001 examination with 90.13 percentile score
3. M Pharm, 1st rank in the university
4. B Pharm, 3rd rank in the university
5. Got prizes for debate and assay writing.

Representative Publications:

- Paper published entitled “*Simultaneous Method for Simultaneous Estimation of Amoxicilin and Ranitidine Bismuth Citrate*” in Indian Drugs
- Paper published en “*Intragastric Mucoadhesive PEGylated Polyacrylic acid Microspheres of Amoxicilin and Ranitidine Bismuth Citrate for the treatment of Helicobacter pylori infections*” in Journal of Pharmacy and Pharmacology

Conference Publications:

1. Poster presentation in **national conference** RIPE-2012 organized by centre for pharmaceutical sciences JNTU, Hyderabad
2. Oral presentation on Self microemulsifying drug delivery system of Itraconazole;preparation and evaluation in **national conference** Innovate-13 at Pulla reddy institute of pharmacy, Hyderabad.
3. Oral presentation on preparation and evaluation of self nano emulsifying drug delivery system of itraconazole in **international conference** by OMICS group in Hyderabad.

Life Member of the Following National Societies:

1. Pharmacy council of India (FID No.- GRHLEC000020)
2. Association of pharmaceutical teachers of India (AP / LM-655)