

Dr PAVANI VENGALA

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Dept. of PHARMACEUTICS,
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Research Interests: Research interest includes nanotechnology for solubility enhancement and drug delivery, aquasomes, nanosponges, solid lipid nanoparticles, nanocrystals and other novel controlled drug delivery systems.

Education:

1. Ph.D [2008-2015]: Pharmaceutical Sciences, Jawaharlal Technological University, Hyderabad, Telangana, India
2. M. Pharmacy [2003-2005]: Pharmaceutics, University college of Pharmaceutical sciences, KU, Warangal, Telangana, India
3. Post Graduate Diploma in Bioinformatics [2003]: Bioinformatics Institute of India, India
4. B.Pharmacy [1997-2001]: Talla Padmavathi College of Pharmaceutical sciences, KU, Warangal, Telangana, India

Teaching experience:

1. Associate Professor (May 2015-Continuing), Department of Pharmaceutics, GRCP, Osmania University, Telangana, India.
2. Senior Assistant Professor (October 2011– May 2015), Department of Industrial Pharmacy, GRCP, Osmania University, Telangana, India.
3. Assistant Professor (November 2007–October 2011), Department of Pharmaceutics, GRCP, Osmania University, Telangana, India

Professional Recognition, Awards, Achievements:

1. Best teacher award from Technical training programme students of Dr Reddys Laboratory's employees.
2. Role of Honour award in B Pharmacy.

Representative Publications:

1. Pavani V, Rudreswar V. Nanocrystal technology as a tool for improving dissolution of poorly soluble drug, lornoxicam. *Int J Appl Pharm*, 2018; 10(3): 162-168.
2. Pavani V, Vinod M, Anantha P. Design, formulation and *in vitro* evaluation of microsponges based gel for topical delivery of ketoconazole. *Int J Pharm Sci Res*, 2017; 8(10): 4222-4229.
3. Pavani V, Rudreswar V, C. V. S. Subrahmanyam. Carbohydrate Stabilized Ceramic Nanoparticles for the Delivery of a Poorly Soluble Drug, Lornoxicam. *Asian J. Pharm*, 2017; 11 (3): 497-503.
4. Hriday B, Sohitha Reddy, Sanoj Kumar I, Pavani V. Core-shell alginate-ghatti gum modified montmorillonite composite matrices for stomach-specific flurbiprofen delivery. *Mater. Sci. Eng. C*, 2017; 76 (7), 715-726
5. Hriday B, Jhansi rani N, Sanoj Kumar I, Pavani V. Kondogogu gum-Zn+2-pectinate emulgel matrices reinforced with mesoporous silica for intragastric furbiprofen delivery. *Int. J. Biol. Macromol*, 2017; 104 (11), A,1229-1237.
6. Pavani V, Sana A, CVS Subrahmanyam. Development and *in vitro* evaluation of ceramic nanoparticles of piroxicam. *Lat Am J Pharm*, 2013; 32 (8): 1124-30.
7. Pavani V, Swetha D, CVS Subrahmanyam. Lactose coated ceramic nanoparticles for oral drug delivery. *J Pharm Res*, 2013; 540-545.

8. Srivani K, Samina A, Pavani V, CVS Subrahmanyam. Sugar coated ceramic nanocarriers for the oral delivery of hydrophobic drugs: formulation, optimization and evaluation. *Drug Dev Ind Pharm.* 2012, Vol. 38 (5), 577-586.

Conference Publications:

1. National seminar on "Spring and Parachute Technologies for Oral Bioavailability of BCS Class II Drugs", GRCP, Hyd, 25-27 June, 2015.
2. Faculty Development Program, 2013. GRCP, Hyderabad, India. Current trends in pharmaceutical product development including regulatory affairs.
3. Dravyaka 2013, Hyderabad, India. Pavani V, CVS Subrahmanyam. Formulation and evaluation of pimoziide aquasomes.
4. ICONSAT 2012, Hyderabad, India. Pavani V, Sana A, CVS Subrahmanyam. Development and *in vitro* evaluation of piroxicam ceramic nanoparticles for oral drug delivery.

Life Member of the Following National Societies:

1. Association of Pharmaceutical Teachers of India TL/LM-706