

Dr. Monika Nijhawan

Associate Professor

Dept. of Pharmaceutical sciences

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Research Interests:

My main research interest lies within Crystal Engineering and nanotechnology. Specific areas of interest in this field include: Cocrystallization, Spherical Crystallization, Polymorphism, Solvatropism, Nanocrystals to improve physicochemical properties of drug molecule. I am interested to improve my knowledge in different analytical technique such as DSC, PXRD, Scanning electron microscopy, NMR in order to characterize crystals.

Education:

1. Ph.D [2009-2015] : JNTUH Hyderabad, A.P, India

2. M. Pharmacy [2002-2004]: Pharmaceutics, Guru Jambheshwar University, Hisar, Haryana, India

3 B.Pharmay [1997-2001]: Guru Jambheshwar University, Hisar, Haryana, India

Research Funding:

Cocordinator, "Pharmaceuticl cocrystal of BCS class II drugs for improved physicochemical properties funded by AICTE, File No 20 /AICTE/ RIFD/RPS (Policy III) 103/2012-13 dated 07/03/2013.

Professional Recognition, Awards, Achievements:

Qualified GATE in 2001 with 93.4 percentile

Representative Publications:

1. Monika Nijhawan, A. Santhosh, P. R. Sathesh Babu, and C. V. S. Subrahmanyam. Solid state manipulation of lornoxicam for cocrystals – physicochemical characterization (DDIP)
2. Kharwade M, Nijhawan M, Modani S. Nanorobots: A Future Medical Device in Diagnosis and Treatment Research Journal of Pharmaceutical, Biological and Chemical Sciences. RJPBCS, 2013:4 (2), 1299.
3. 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.
4. Monika Nijhawan, Tejaswini Remidi, P. R. Sathesh Babu, and C. V. S. Subrahmanyam. Physicochemical evaluation of irbesartan corystals with salicylic acid and adipic acid, International Journal of Pharmaceutics, ISSN: 2051-5782, 2014: 30(2), 1198-1204.
5. Monika Nijhawan, P. R. Sathesh Babu, and C. V. S. Subrahmanyam. Cocrystals of irbesartan with hippuric Acid, Indo American Journal of Pharmceutical Research, ISSN: 2231-6876, 2015: 5(04), 1323-1329.

Conference Publications:

1. Presented poster on crystal habit modifications of nabumetone and their physicochemical characteristics at national conference. 63 rd IPC, 2011, Banglore, India.
2. Given oral presentation in National Conference on Irbesartan cocrystals using liquid assisted grinding INNOVATE I3 at Malla Reddy college of pharmacy, Hyderabad, India.
3. Given oral presentation on Crystal engineering to improve the physicochemical properties of irbesartan; at International Conference on progress and Advances in Human Health Management and Health Care Reforms (ADICON-2014), October 11-12, 2014.

Life Member of the Following National Societies:

1. Association of Pharmaceutical Teachers of India (AP/LM – 654)
2. Pharmacy Council of India GRHLEC000021

