



School : School of Natural Resources

Department : Pharmacy

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Name : Dr. Manoj Kumar

Qualification : M. Pharm, Ph.D

Area of Interest/Specialization : Formulation development of novel drug delivery system

Experience : 17 years

Research Projects : completed two research project

#### List of Publications

- Raziya Khatoon Farooqui, Monika Kaurav, Manoj Kumar, M. S. Sudheesh & Ravi Shankar Pandey, Permeation enhancer nanovesicles mediated topical delivery of curcumin for the treatment of hyperpigmentation, Journal of Liposome Research, Jan 2022, 31, 1-9.
- Kamta P. Namdeo Shilpa Jaiswal and Manoj Kumar, Synthesis of some new 2-(n-substituted)- 3h-phthalazin- 1, 4- dione derivatives for their antihypertensive activity, International Journal of Pharmaceutical Sciences and Research, 2018; 9(9), 3999-4007.
- Lav Kumar and Manoj Kumar, Development and evaluation of finasteride-loaded nanoparticles for potential treatment of alopecia, Journal of Drug Delivery and Therapeutics, 2018; 8(2), 208-217.
- Monika Kaurav, Sunita Minz, Kantrol Sahu, Manoj Kumar, Jitender Madan, Ravi Shankar Pandey, Nanoparticulate mediated transcutaneous immunization: Myth or reality, Nanomedicine: Nanotechnology, Biology and Medicine, May 2016, 12(4), 1063–1081.
- Manoj Kumar, Rajesh Shukla and Gopal Rai, Development and evaluation of floating microparticles for Levofloxacin as a gastroretentive carrier, Asian Journal of Biomaterial Research, Dec 2015, 1(2), 51-55.
- Manoj Kumar, Preparation and In vitro Characterization of PCL Microspheres of Acetazolamide, Current Research in Pharmaceutical Sciences, May ,2015, 5(2), 58-60.
- Manoj Kumar, Ravi Shankar Pandey, Kartik Chandra Patra, Sunil Kumar Jain, Muarai Lal Soni, Jawahar Singh Dangi and Jitender Madan, Evaluation of neuropeptide loaded trimethyl chitosan nanoparticles for nose to brain delivery, International Journal of Biological Macromolecules, Oct 2013, 61, 189-195.
- Manoj Kumar, Formulation of Gastroretentive floating microparticles for Ofloxacin. Der Pharmacia Lettre, 2013, 5 (1), 362-365.
- V. Jain, B. Jain, P. Tiwari, J. Saini, U. K. Jain, R. S. Pandey, Manoj Kumar, O.P. Katare, R. Chandra and Jitender Madan, Nanosolvated microtubule-modulating chemotherapeutics: a case-to-case study, Review article, Anti-Cancer Drugs, Dec 2013, 24 (4), 327-336.

- Manoj Kumar and J.S Dangi, Anti diabetic activity of *Astercantha longifolia* root extract in streptozotocin induced diabetic rats, Asian Journal of Pharmacy and Medical Science, 2012, 2(5), 86-89.
- Manoj Kumar, Preparation and in-vitro characterization of PCL microspheres of Rifabutin, Asian Journal of Pharmacy and Life Science, Oct-Dec ,2012, 2(4), 06-10.
- Manoj Kumar and J.S. Dangi, Anti diabetic activity of aqueous extract of *albizia lebbeck* Flower in alloxan induced diabetic rats, Inter J Curr Trends Sci Tech, 2012, 3(4), 90-94.
- Ravi Shankar Pandey, Satish Sahu, M.S. Sudheesh, Jitender Madan, Manoj Kumar and Vinod Kumar Dixit, Carbohydrate modified ultrafine ceramic nanoparticles for allergen immunotherapy, International Immunopharmacology, August 2011,11(8), 925-931.
- Surendra K. Pareta, Kartik C.Patra, Ranjeet Harwansh, Manoj Kumar, Kedar Prasad Meena, Protective Effects of *Boerhaavia Diffusa* Against Acetaminophen-Induced "ephrotoxicity in Rats,Pharmacologyonline, August, 2011, vol 2, 698-706.
- Murari Lal Soni, K.P. Namdeo, S.K. Jain, M. Gupta, J.S. Dangi, Manoj Kumar and Y.S. Dangi, pH-Enzyme Di-dependent Chronotherapeutic Drug Delivery System of Theophylline for Nocturnal Asthma, Chem. Pharm. Bull., February, 2011,59(2):191-195.
- M. L. Soni, M Kumar and K. P. Namdeo, Sodium alginate microspheres for extending drug release: formulation and *in vitro* evaluation, International Journal of Drug Delivery, February, 2010, vol 2, 64-68.

### Conference proceedings

Manoj Kumar and JS Dangi, Gastro Retentive Floating Microparticles for Oral Delivery of Metformin Hydrochloride, International Journal of Pharmaceutical Sciences and Research, Oct 2015, Scientific Proceeding APTICON 2015, ISSN (Online): 0975-8232. Oral Presentation, page 01-03, Impact Factor 1.79.

### Administrative Responsibilities

- Member of committee on Annual Report 2009-10.
- Programme Officer of National Service Scheme (NSS) on 2009-2013.
- Member of NAAC, SSR, IQAC, AQAR committee on 2018.
- Chief counting officer of student council election on 2015. 2016, 2017 &2019.
- Member of Transport and Security Committee for “Bharat Rejuvenation” International conference organized by Guru Ghasidas Vishwavidyalaya, Bilaspur on 2017.
- Member of Printing, Publication and Distribution Committee for “Bharat Rejuvenation”. International conference organized by Guru Ghasidas Vishwavidyalaya, Bilaspur on 2017.
- Member of transport and security committee of convocation on 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2017, 2018, 20120, 2021 & 2022.
- Member of exhibition committee on January 26, 2011(Police Ground) on 2011.
- Member of student council election committee on 2015.
- Member of anti-raging committee on 2012 &2013.
- Member of blood donation committee of establishment day on 2011, 2013 & 2014.

- Evaluation of OMR Sheet in VRET Examination on 2020.
- Assistant Center Superintendent of main & ATKT examination in Pharmacy building on 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018.
- Assistant Center Superintendent of VET & VRET examination in Pharmacy building on 2011, 2012, 2013, 2015, 2016.
- Assistant Center Superintendent of VET-NON GPAT Examination in Pharmacy building on 2019.
- Evaluation of answer books of VET Examination on 2010 & 2012.
- Member of scrutiny committee of student council election on 2018.
- Convener of stall distribution committee on establishment day on 2011.
- Assistant Center Superintendent of CBSE UGC NET Examination on 2014.
- Member of Discipline committee on 2012, 2013 & 2014.
- Member of Vigilance Awareness Week committee (31 Oct – 05 Nov 2016) on 2016.
- Member of school board for school of studies of Natural Resources on 2021.
- Convener of Transport committee on Guru Ghasidas Jayanti, Kul Utsav 2022.
- Member Dr. Ambedkar Center of Excellence (DACE) for admission process on 2022