
LIST OF PUBLICATIONS

❖ Publications based on submitted thesis

- Abhishek Pathak and Sadhana J Rajput, Diacerein Nanosuspension: Process optimization, physicochemical characterization, cytotoxicity assessment and in-vivo evaluation for oral bioavailability enhancement, Indo American Journal of Pharmaceutical Research: 6(10); 6595-6615 (2016).
- Abhishek Pathak and Sadhana J Rajput, Inclusion of Diacerein with cyclodextrin carriers: Preparation, physicochemical characterization, cytotoxicity assessment and pharmacological evaluation, American Journal of PharmTech Research: 6(5); 831-857 (2016).
- Abhishek Pathak and Sadhana J Rajput, Physicochemical characterization, in-vitro studies and in-vivo assessment of drug cyclodextrin inclusion complex for oral bioavailability enhancement of Febuxostat, Indo American Journal of Pharmaceutical Research: 6(10); 6742-6758 (2016).
- Abhishek Pathak and Sadhana J Rajput, Formulation development and in-vitro/in-vivo evaluation of a statistically designed redispersible Febuxostat nanosuspension for oral bioavailability enhancement, Future Journal of Pharmaceutical Sciences (2016). [Under communication]

❖ Other Publications

- Greeshma V Patel, Abhishek Pathak, Vaibhav B Patel and Sadhana J Rajput; Nanosuspension of efavirenz for improved bioavailability: formulation optimization, *in vitro*, *in situ* and *in vivo* evaluation. Drug Development and Industrial Pharmacy: 40(1):80-91 (2014).
- Shakeel S Mansuri, Abhishek Pathak and Sadhana J Rajput, Development and validation of chemometric assisted UV spectrophotometric and RPLC-PDA methods for the simultaneous in vitro analysis of Isoniazid, Rifampicin and Piperine in their pharmaceutical formulation, Indo American Journal of Pharmaceutical Research: 4(1); 553 (2014).
- Abhishek Pathak, Rahul S Gamit and Sadhana J Rajput; RP-HPLC and chemometric assisted UV-spectrophotometric methods for simultaneous in vitro analysis of atrovastatin calcium, ezetimibe and fenofibrate in their pharmaceutical formulation. Indo American Journal of Pharmaceutical Research: 2(9); 1178 (2012). (Dr. P D Sethi Annual Award-2012)
- Chandrakant Sojitra, Abhishek Pathak and Sadhana J Rajput; Development and validation of spectrophotometric methods for simultaneous estimation of Naproxen and Esomeprazole magnesium trihydrate in combined pharmaceutical formulation. International Journal of ChemTech Research: 4(2); 602 (2012).
- Diti Desai, Abhishek Pathak, Reshma Jain, Dipti B Ruikar and Sadhana J Rajput; Determination of felodipine and enalapril in binary mixture using second derivative spectrophotometric, first derivative of the ratio-spectra UV methods and high-performance liquid chromatography method. Contemporary Investigations and Observations in Pharmacy: 1(1); 31 (2012).