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Editorial

Description of Pharmaceutica Analytica Acta

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EDITORIAL NOTE

Pharmaceutica Analytica Acta is a peer-reviewed journal of global repute which publishes different forms of science communication pertaining to medicinal compounds and drugs. The archived database of the journal will be helpful source of refined information for students, interns, academicians, scientist, pharma industry professionals as well as medical and clinical professionals dealing with identification, quantification, structural elucidation of drug molecules. The journal focuses on several topics associated with pharmaceutical science including analytical methodologies, formulation, product analysis and marketing, quality control and quality assurance in pharmaceutical analysis.

Dr. Narala Sagar with affiliation St. Peters Institute of Pharmaceutical Sciences, Hanamkonda, Warangal, Telangana, India. Has submitted a research article with entitled "Solubility Enhancement of Ritonavir: Co-Crystallization" The main objective of this work is to explore co-crystallization approach for increasing solubility of an antiretroviral drug, Ritonavir (RTN) Ritonavir (RTN) is a BCS class II drug with low solubility high permeability resulting in less bioavailability. In-order to increase solubility and bioavailability of ritonavir, co-crystallization method was approached using adipic acid and citric acid as coformers. It is antiretroviral drug; the protease inhibitor class used to treat HIV infection and AIDS. Cocrystals can be defined in several ways. A restrictive definition is that cocrystals are structurally homogeneous crystalline materials containing two or more components present in definite stoichiometric amounts. The cocrystal parts are discrete impartial atomic reactants which are solids at surrounding temperature. In view of this meaning of cocrystals, a pharmaceutical cocrystal implies a cocrystal with one of the segments as an Active Pharmaceutical Ingredient (API) and different parts are called coformers. The co-crystals were prepared successfully using different coformers by neat dry grinding method. Narala Sagar has concluded as"These co-crystals were characterized by melting point, FTIR, DSC and XRD. These studies indicated formation of new crystal phases due to physical and or chemical interactions between API and co-former."

Dr. Sandip S Chaudhari with affiliation TVES's HLMC College of Pharmacy, Faizpur, Maharashtra, India has submitted a research article with entitle" Development and validation of UV Spectrophotometric method for simultaneous equation of Aspirin and Omeprazole in tablet dosage form". Aspirin is an antipletelet agent while omeprazole is proton pump inhibitor used in combination for treatment of stroke and other cardiovascular disease. On extensive literature survey it was found that very few methods are reported for Simultaneous estimation of Aspirin and Omeprazole in combined dosage form by any analytical technique. Has a conclusion with "It was through to develop an analytical method for simultaneous equation method for estimation of Aspirin and Omeprazole by using UV Spectroscopy. The developed method was validated for linearity, Accuracy, precision, ruggedness and results were within the limits according to ICH guidelines. The proposed method was cost effective, simple, rapid, economic, cheap, precise and robust. The above method can be used for routine analysis of Aspirin and Omeprazole in bulk and Tablet Dosage Form".

We encourage you to submit your work to our journal website, which has about 100 million readers worldwide, and we are also on social media sites such as Twitter, LinkedIn, and Google to expand the reach of our journal website.

We thank the author for his excellent work efficiency in contributing to the above article, and we will be back with Vol 12 issue 7 of our upcoming journal website with more enlightening papers.

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