

❖ Name & Designation	: Dr. Arvind Sharma, Assistant Professor
❖ Address	: Deptt. of Pharmaceutics, Chitkara collegr of Pharmacy, Chitkara University, Punjab-140401.
❖ Name of the International Conference/ Seminar/Symposium/Workshop	: International Conference and exhibition on pharmaceutics & Novel Drug Delivery Systems.
❖ Title of the abstract accepted	: Rosuvastatin Nanocrystals: Its Preparation, Characterization nad in Vitro-In Vivo Evaluation.
❖ Date & Venue	: 24-26 th March, 2014, San-Antonio, USA
❖ Money sanctioned	: Rs 1,00,000/-
❖ Money reimbursed	: Rs 1,00,000/-

Participation Report

On March 24-26, 2014, OMICS at Hilton San Antonio Airport, USA organized its 4th **International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems**. This conference was OMICS endeavor to strengthen the future of the Novel Drug delivery Systems with scientist's pharmacists, researchers, health care professionals, university professors, industrialists, pharmaceutical associations, editorial board members of OMICS journals, and students.

The keynote speakers for the conference were: **Panayiotis P Constantinides**, Biopharmaceutical & Drug Delivery Consulting, USA, **Jason Vaughn**, Patheon Pharmaceuticals, USA, **Tejraj M Aminabhavi**, Soniya College of Pharmacy, India, **Gjumrakch Aliev**, GALLY International

Biomedical Research Consulting LLC, USA, **Konstantin Tsinman**, Pion Inc., USA and **Walter Rudzuski**, Texas State University, USA.

Pharmaceutica-2014 conveys recent developments in micro, nano-drug delivery systems, novel pre-formulation, formulation approaches and strategies like diffusion controlled delivery have reoriented the focus of almost all the Pharmaceutical and Biopharmaceutical R&D's towards Novel Drug Delivery Systems (NDDS), diverting a major section of research to focus on formulating a variety of poorly soluble and highly unstable substances, reporting it to be the significant arena in pharmaceutical research

I have presented research work entitled **“Rosuvastatin Nanocrystals: Its Preparation, Characterization, and In Vitro–In Vivo Evaluation”** on second day 25th March 2014. Nanotechnology will affect our lives tremendously over the next decade in very different fields, including medicine and pharmacy. Transfer of materials into the nanodimension changes their physical properties which were used in pharmaceuticals to develop a new innovative formulation principle for poorly soluble drugs: the drug nanocrystals. The purpose of this research was to study whether the bioavailability of Rosuvastatin Calcium (RST) and its bioavailability could be improved by administering Rosuvastatin Calcium entrapped in Nano- carrier.

The keynote sessions, invited lectures by honorable guests, and all the other sessions highlighted the current challenges, issues, opportunities, innovations and ideas, in pharmaceutical research, that was reflected by the theme of the conference “Pre-formulation, Formulation, and Physiology; Approaches for Drug Delivery Systems.” The theme touched upon various topics like Recent Technologies in Novel Drug Delivery Systems, Routes of Drug Administration, Drug Delivery Targeting, Biopharmaceuticals, Current Issues of Pharmaceuticals in Global Market, Nanotech for Drug Delivery, Personalized Medicine, Prodrugs and Targeted Drug Delivery, Novel Advances in Drug Delivery to Brain, Drug Delivery Systems and Drug Formulations for Cancer, Pharmacokinetic Considerations of Drug Delivery, and Management of QA/QC in Pharmaceutical Industry. This gave a rewarding learning environment to all the attendees.