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International Conference on Pharmaceutics & Novel Drug Delivery Systems

## Advances in Pharmaceutical Sciences

Jayant Khandare

Piramal Life Sciences Ltd, India

There has been a great impetus in enhancing therapeutic index of drugs, particularly in cancer, and inflammation. Towards this direction, macromolecular and nanoscopic forms of delivery systems are being engineered as prodrug conjugates, depots (liposomes, nanoparticles), polyplexes (complexes), and micelles (self assemblies). The talk will highlight the opportunities and challenges in designing such multi-component macromolecular delivery systems targeted for cancer, inflammation, and imaging.

### Biography

Jayant Khandare is M.Pharm in Pharmaceutics from University of Mumbai and Ph.D. in Chem. Engineering from National Chemical Laboratory, Pune, India. He has been a post doc. Research fellow at Children's Hospital, and Chemical Engineering Dept., Detroit and Research Associate at Rutgers, The State University of New Jersey for 04 years. His areas of research involve- targeted polymeric drug delivery systems, cellular kinetics, design and synthesis of biopolymers. He is currently working at Piramal Life Sciences Ltd., India as a Sr. Research Scientist in Polymer chem group. He is recipient of Alexander von Humboldt Experienced researcher award, at Freie University, Berlin, Germany in the field of Macromolecular Chemistry. He has 28 high peer international journal papers, 06 approved patent applications, 04 book chapters. Has published 02 books in popularization of science.