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Innovative chemistry in the synthesis of medicines

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Innovation is one of the most important elements in research endeavor. Given the complexity involved in challenging scaffold of molecules of pharmaceutical significance, one has to engage in chemistry innovation pertinent to the synthesis of medicines. Process research pertaining to drug synthesis at generic pharmaceutical industry imposes a great challenge due to cut throat competition. Few case studies involving innovation based on fundamental understanding of chemistry will be presented.

Biography

Rakeshwar Bandichhor holds a doctorate in Chemistry from University of Lucknow, India and University of Regensburg, Germany. He has worked as Postdoctoral Fellow at University of Regensburg, Germany, Roy & Diana Vagelos Laboratories for Advanced Science & Technology, University of Pennsylvania and postdoctoral research associate at Department of Chemistry at Texas A&M University. He has more than 100 papers including patents and book chapters published/accepted in various international journals. He has also contributed to more than 60 academic national and international conferences. He has won the various awards in his career e.g. Chairman Excellence Award in the category of individual functional excellence, Best Cost Leadership Award for the development of Lopinavir, Ritonavir & their components and Anveshan Award for developing cost effective novel synthesis for Sitagliptin at Dr. Reddy's.

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