

## PUBLICATIONS / PATENTS / PRESENTATIONS

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3. "Green Technologies in the Generic Pharmaceutical Industry" *Green Chemistry in the Pharmaceutical Industry*. Edited by Peter J. Dunn, Andrew S. Wells, and Michael T. Williams. WILEY-VCH. **2010**.
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6. "Green Chemistry in Drug Development" pp 25-40. *Scalable Green Chemistry. Case Studies from Pharmaceutical Industry*" Edited by Stefan G. Koenig. Pan Stanford Publishing, **2013**.
7. "Improved Greener Process for Pioglitazone and its Pharmaceutically Acceptable Salts." pp 141-154. *Scalable Green Chemistry. Case Studies from Pharmaceutical Industry*" Edited by Stefan G. Koenig. Pan Stanford Publishing, **2013**.

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154. "Environmentally Friendly Solvent Free Processes: Application of a novel surfactant induced dual catalysis in the Preparation of Pharmaceutical Intermediates". Tenth Annual Coastal Bend Environmental Conference, Kingsville, Texas, October 30-Nov 1, **2002**.
155. "Bridging Process Research and Development: from Academia to Industry"
156. Pharm-Eco John Matthey, February 20, **2002**.
157. "Bridging Green Chemistry to Industry" Sepracor Inc; February 20, **2002**.
158. "Green Chemistry in Texas A&M Kinsville". Johnson & Johnson Pharmaceutical Research & Development. March 28, **2003**.
159. "Process Research and Development: From Academia to Industry". University of Texas Medical Branch, Galveston Medical Center. March 30, **2003**.
160. "Intermediacy in Quinone Oxidation" The University of Texas-Pan American. April 10, **2003**.
161. "Applications in Green Technology" October 22, **2003**. Environmental Engineering Seminar. Texas A&M Kingsville.
162. "Temperature Selective Diastereo-Recognition (TSD): Enantiomeric Ibuprofen via Environmentally Benign Selective Crystallization". South Texas Section, American Chemical Society, Second Research Symposium, Kingsville, Texas, November 21, **2003**.
163. "Process Development studies of a BPH Candidate" Ranbaxy Pharmaceutical, Delhi, India, January 6, **2004**.
164. "Drug Developmental studies of Azasteroids" Astra Zeneca Pharmaceutical, Bangalore, India, January 9, **2004**.
165. "Process Developmental Studies of Pharmaceutical Intermediate in Texas A&M University-Kingsville, Dr. Reddy's Lab, India, January 12, **2004**.
166. "The Role of Bristol-Myers Squibb in Educating the Next Generation: Process R&D at Texas A&M Kingsville. Part I
167. Development of Proscar. Part II". Bristol Myers Squibb Pharmaceutical Research Institute, New Brunswick, NJ, February 20, **2004**.
168. "Process Research and Development in Texas A&M Kingsville: Educating the Next Generation". Novartis Pharmaceutical. East Hanover, NJ, February 19, **2004**.
169. "Application of Quinone oxidation in developing and alfa reductase inhibitor candidate". Ambion Pharmaceutical, Austin Texas. April 1, **2004**.
170. "Development of a BPH candidate: Synthesis of Finasteride" University of Texas at Austin, Austin, Texas April 2, **2004**.
171. "Educating next generation of Process Chemists in Academia" ACS Petroleum Research Fund Presidential Symposium, 228th meeting of the American Chemical Society, Philadelphia, August **2004**.
172. "Green Technology in Pharmaceutical Process Development". Abstracts, 60th Southwest Regional Meeting of the American Chemical Society, Fort Worth, TX, United States, September 29-October 4 (**2004**), SEPT04-268. Publisher: American Chemical Society, Washington, D. C.
173. "Enantiomeric Ibuprofen Via Environmentally Benign Temperature Selective Diastereo-Recognition (Tsd)". Abstracts, 60th Southwest Regional Meeting of the American Chemical Society, Fort Worth, Texas, United States, September 29-October 4 (**2004**), SEPT04-076. Publisher: American Chemical Society, Washington, D. C.
174. "Application of Green Technology in Pharmaceutical Process Development" IUCCP symposium October 18-20, **2004**; College Station, Texas.

175. "Green Chemistry in Organic Synthesis" Texas Tech University, Lubbock, Texas February 15, **2005**.
176. "Pharmaceutical Process Development" Texas Tech University, Lubbock, Texas February 15, **2005**.
177. "Green technology in pharmaceutical process development: Application in the synthesis of Acetaminophen, Ibuprofen and heterocycles" 229th meeting of the American Chemical Society, San Diego, March **2005**.
178. "Evolution of a BPH candidate in the Pharmaceutical Drug Development" Chemistry/Biological Sciences, Department of Chemistry, The University of Arizona, April 8, **2005**.
179. "Green Chemistry as part of Process Research and Development at Texas A&M-Kingsville". Chemistry/Biological Sciences, Department of Chemistry, The University of Arizona, April 8, **2005**.
180. "Commonalities and Differences in Industry and Research Careers" Luis Stokes Alliance for Minority Participation Mini Symposium, Kingsville, Texas, November 4, **2005**.
181. "Pharmaceutical Process Research and Development through Green Chemistry at Texas A&M Kingsville, Roger Adams Lab, U. of Illinois. November 14, 2005.
182. "Development of the BPH Drug: Finasteride" Noyes Lab. U. of Illinois. November 14, **2005**.
183. "Educating the Next Generation of Process Chemists in an Undergraduate Program" Merck & Co, Rahway, NJ. November 11, **2005**.
184. "Green Chemistry: Efficiency in Pharmaceutical Development" Focus Indian Conference on Pharmaceutical R&D Efficiencies-Integrating Global Strategic Partnerships. Hyderabad, India. March 15-17, **2006**.
185. "Application of Green Technology in Pharmaceutical Process Development" Current Research Trends and Developments in Heterocyclic Chemistry. Osmania University, Hyderabad, India. March 17-18, **2006**.
186. "Essentials of Process Research & Development". University of Texas at Arlington, Arlington, Texas, May 9, **2006**.
187. "The Application of Green Technology in Pharmaceutical Process Development". The 4<sup>th</sup> Annual Congress of International Drug Discovery Science and Technology. Northwestern University, Xi-An, China. May 31-June 2, **2006**.
188. "Green Technology in Pharmaceutical Process Development" Developing Chemical Processes for Active Pharmaceutical Ingredients. Scientific Update Conference, N. C. L. Pune, India. December 13-14. **2006**.
189. "Green Chemistry" Chemistry & Life. Osmania University College for Women Koti, Hyderabad, India. January 5, **2007**.
190. "Green Technology in Pharmaceutical Development" National Conference on Drug Designing & Synthesis. Dr. Ambedkar College, Nagpur, India. January 19-20, **2007**.
191. "Total Synthesis of (-)-Galanthamine Hydrobromide" 234th American Chemical Society Conference, Boston (19-23 August), **2007**.
192. "Principles of Green Chemistry in API synthesis" Green Chemistry in Conference on Green Chemistry in Drug Synthesis, Department of Chemistry, MNR Degree and PG College Hyderabad India. January 29, **2008**,
193. "Application of Green Principles in API Synthesis" National Symposium on Emerging Trends in Medicinal Chemistry, India – A Global Hub" Department of

- Chemistry, C.K.M. Arts & Science College, Warangal, Hyderabad, India. February 2-3, **2008**.
194. "Crystal engineering: Application in the development of Finasteride" Developing Chemical Processes for APIs Scientific Update Conference, February 14-15 **2008**, Hyderabad, India
195. "De novo synthesis of Rimonabant and its regioisomer" 9th Annual Florida Heterocyclic and Synthetic IUPAC-Sponsored Conference Register online for FloHet IX conference. March 9th - 12th, **2008**. Gainesville. FL.
196. "Green Chemistry and the Global Pharmaceutical Industry" CHEMICAL SCIENCES ROUNDTABLE, May 19-20, **2008**. The National Academies, Keck Building. Washington, DC.
197. "Green chemistry in the Generic Pharmaceutical Industry" 2<sup>nd</sup> International Symposium on Green Processing in the Pharmaceutical & Fine Chemical Industries May 29-30, **2008**. Yale University, New Haven, Connecticut, USA
198. "Application of Green Technology in the Generic Pharmaceutical Process Development" Science Week, Jan 4-7, **2010**. Dr Reddy's Laboratories, Hyderabad, India.
199. "Development of Finasteride: A BPH inhibitor" August 1, **2010**. **Chirotech** Technology Ltd, 162 Science Park, Milton Road, Cambridge, Cambridgeshire, CB4 0GH.
200. "Application of Green Technology in the Generic Pharmaceutical Development" Symposium on New Directions in Green Chemistry; SWRM 2011, 67<sup>th</sup> Southwest Regional ACS, Nov. 10, **2011**, Austin, Texas.
201. "Green Chemistry" Green Chemistry Workshop December 23, **2011**. Bhavan's Vivekananda College of Science, Humanities & Commerce, Secundrabad, India.
202. "Green Chemistry in Generic Pharmaceutical Development" May 25, **2012**. Daiichi Sankyo Ranbaxy Laboratories, New Delhi, India.
203. "Why Does Chemistry Matter" February 1, 2013. Texas A&M Kingsville, Kingsville, Texas.
204. "Pharmaceutical Development for Health Professionals. "Future Health Professionals Conference" February 28, **2013**. Texas A&M Kingsville, Kingsville, Texas.
205. "Green Chemistry in the Pharmaceutical Industry: A Generic Perspective" 33<sup>rd</sup> Annual Faculty Lecture, April 11, **2013**, Texas A&M Kingsville, Kingsville, Texas.