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Abstract

Fifty-Eight Years and Counting: High-Impact Publishing in Computational Pharmaceutical Sciences and Mechanism-Based Modeling

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Abstract:
With this issue of the Journal of Pharmaceutical Sciences, we celebrate the nearly 6 decades of contributions to mechanistic-based modeling and computational pharmaceutical sciences. Along with its predecessor, The Journal of the American Pharmaceutical Association: Scientific Edition first published in 1911, JPharmSci has been a leader in the advancement of pharmaceutical sciences beginning with its inaugural edition in 1961. As one of the first scientific journals focusing on pharmaceutical sciences, JPharmSci has established a reputation for publishing high-quality research articles using computational methods and mechanism-based modeling. The journal's publication record is remarkable. With over 15,000 articles, 3000 notes, and more than 650 reviews from industry, academia, and regulatory agencies around the world, JPharmSci has truly been the leader in advancing pharmaceutical sciences.

Biography:

Dr. Amidon has held numerous leadership roles in commercial, academic and non-profit organizations. He currently serves as Research Professor of Pharmaceutical Sciences at the University of Michigan, College of Pharmacy. This position affords him the ability to explore important new areas of research and the opportunity to educate the next generation of scientists. His transition to academia followed a distinguished career in pharmaceutical research and development for Pfizer, Pharmacia, Pharmacia & Upjohn, and The Upjohn Company. He is recognized for his expertise in the physical, chemical, and

mechanical property characterization of active pharmaceutical ingredients.

Recent Publications:

1. Mechanistic Analysis of Solute Transport in an In Vitro Physiological Two-Phase Dissolution Apparatus", Biopharm Drug Dispos.
2. The Solubility-Permeability Interplay: Mechanistic Modeling and Predictive Application of the Impact of Micellar Solubilization on Intestinal Permeation", Molecular Pharmaceutics.
3. The Impact of Hot Melt Extrusion and Spray Drying on Mechanical Properties and Tableting Indices of Materials Used in Pharmaceutical Development.

Webinar on Pharmaceutical Sciences, December 13,2020 | Rome, Italy

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