

Special Issue

Recent Progress in Formulation Approaches for Improving the Solubility and Bioavailability of Poorly Soluble Drugs

Message from the Guest Editors

Dear Colleague, The rise in the number of poorly soluble drugs has forced the pharmaceutical industry towards the development of formulation approaches for improving the solubility and bioavailability of these drugs. A huge number of potential drugs with proved pharmacological activity did not reach market due to the inherent limitations of preparation techniques, poor flowability and compressibility behavior of the obtained product, stability issues, etc. Significant progress has been made during the last several years, including the development of novel preparation techniques; the application of formulation approaches which enable higher drug loading as well as the introduction of molecular modelling and simulation tools. Papers focused on novel findings in formulation approaches for improving solubility and bioavailability of poorly soluble drugs are welcome in this Special issue. Submitted papers should address aspects of process optimization, downstream formulation processing into dosage forms, and the evaluation of bioavailability improvement through in vivo animal studies or in silico PBPK modelling, etc.

Guest Editors

Prof. Dr. Kyriakos Kachrimanis

Faculty of Pharmacy, Aristotle University of Thessaloniki, University Campus, 54124 Thessaloniki, Greece

Dr. Djordje Medarevic

Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy, University of Belgrade, 11221 Belgrade, Serbia

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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