

Special Issue

Advanced Bio-Hybrid Materials for Drug Delivery Systems - New Trends and Perspectives

Message from the Guest Editors

Due to pollution of our environment, unhealthy lifestyle, as well as stress, causing a variety of chronic disorders, currently, both, the medical and pharmaceutical markets are developing at an intense rate. People need new solutions. Therefore, it is important to consider what the new trends are, as well as possible novel perspectives. There are so many questions related to this topic. This is why recently, many groups of scientists are focusing on the preparation and advanced functional bio-hybrid materials for biomedical applications and drug delivery systems. We can distinguish different systems based on polymeric, organic, inorganic micro/nanocarriers or their combination with biopolymeric, polymeric or hydrogel matrices, which enables the controlled, sustained or modified release of active substances derived from natural or synthetic origin. In addition to the synthesis, physicochemical and structural properties, it is very important to determine the drug release profile and ensure a safe therapeutic concentration. This Special Issue will allow us to share achieved goals and new approaches in designing smart drug delivery systems.

Guest Editors

Dr. Katarzyna Bialik-Wąs

Dr. Katarzyna Malarz

Dr. Małgorzata Miastkowska

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

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Editor-in-Chief

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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