

Special Issue

Dynamics of Drug Delivery to Model and Cell Membranes

Message from the Guest Editor

Dear Colleagues The delivery of drugs to natural cell membranes is crucial as a primary step of the biological action. The mobility of drugs and biomembrane constituents is a key to elucidating the membrane transport mechanisms in the cell. The membrane is a dynamic structure where molecules are always fluctuating under physiological conditions. The mechanism of drug delivery is related to the molecular dynamics in such a soft, fluid membrane interface. In this Special Issue, dynamical aspects of drug delivery to model and cell membranes are emphasized in order to gain insight into the molecular basis of the mechanisms toward final targets of the diagnosis and therapy of diseases. Contributors are invited to submit papers concerning various aspects of dynamics in drug deliveries from a molecular to cellular scale. The Issue covers non-endocytic membrane transport, endocytosis, delivery via cell-penetrating peptides (CPP), and extracellular vesicles such as exosomes, and so on. Physical, chemical, and biological strategies to analyse the dynamical features of drug deliveries are also welcome.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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