

Special Issue

Supramolecular Systems for Gene and Drug Delivery

Message from the Guest Editors

Supramolecular systems (calixarenes, cyclodextrins, polymers, peptides, etc.) have attracted special attention due to their excellent therapeutic properties for biomedical applications such as gene and drug delivery. Numerous biomaterials-based supramolecular systems have been developed in the last decade for enhancing of biocompatibility and pharmacological activity. In particular, supramolecular nanomaterials are considered a hot research topic, because nanomedicine has become an interesting tool for the treatment of genetic diseases or cancer. Nevertheless, novel systems and their properties are being continuously studied, contributing to the development of efficient delivery systems. This Special Issue provides and highlights current progress in the use of the supramolecular systems for boosting gene and drug delivery. Preparation, characterization, and use of these systems, as well as the latest developments in this research field, are especially welcome. Authors are encouraged to submit original research articles and reviews in this promising research field.

Guest Editors

Dr. Francisco José Ostos

Dr. José Antonio Lebrón

Prof. Dr. Pilar López-Cornejo

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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
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, USA

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