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Mesoporous Materials as Efficient Platforms for the Delivery of Bioactive Agents

Guest Editors:

Prof. Dr. Anton Ficai

1. Department of Science and Engineering of Oxide Materials and Nanomaterials, Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, 1-7 Gh. Polizu St., 011061 Bucharest, Romania
2. Academy of Romanian Scientists, 54 Splaiul Independenței St., Bucharest, Romania

Prof. Dr. Denisa Ficai

Department of Inorganic Chemistry, Physical Chemistry and Electrochemistry, Faculty of Applied Chemistry and Materials Science, University POLITEHNICA of Bucharest, 060042 Bucharest, Romania

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Message from the Guest Editors

Dear Colleagues,

Porous materials can be efficient carriers for a wide range of bioactive agents, especially used in medical applications. The current Special Issue will be focused on the design and preparation of different mesoporous materials with predefined pore characteristics and specific surface. Pre- and post-synthesis surface functionalisation will be considered in order to determine a specific hydrophilic:hydrophobic ratio as well as to assure a proper interaction with the bioactive agents which are loaded and further controlled delivered. These systems will be used in the treatment of cancer, infections, osteoporosis, etc., as major concerns of our century, but also in a hot topic related to the microbiota associated diseases.

The main potential subtopics include, but are not limited to:

- Design and production of mesoporous materials;
- Design and production of drug delivery systems based on mesoporous materials;
- Use of mesoporous materials in dysbiosis and related diseases;
- Drug-delivery systems based on natural and synthetic bioactive agents.

Prof. Dr. Anton Ficai

Prof. Dr. Denisa Ficai

Guest Editors

Special Issue



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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

Message from the Editor-in-Chief

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Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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