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Recent Development of Electrospinning for Drug Delivery

Guest Editors:

Prof. Dr. Romána Zelné

University Pharmacy Department
of Pharmacy Administration,
Semmelweis University, Hógyes
Endre utca 7-9, H-1092 Budapest,
Hungary

Prof. Dr. Dimitrios A. Lamprou

School of Pharmacy, Queen's
University Belfast, Belfast BT7
1NN, UK

Dr. István Sebe

University Pharmacy Department
of Pharmacy Administration,
Semmelweis University, Hógyes
Endre utca 7-9, H-1092 Budapest,
Hungary

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Message from the Guest Editors

Several promising techniques have been developed to overcome the poor solubility and/or membrane permeability properties of new drug candidates, including different fiber formation methods. Electrospinning is one of the most commonly used spinning techniques for fiber formation applied to the drug-loaded solution. The fiber properties enable the improved rate and extent of solubility, causing a rapid onset of absorption. However, the enhanced molecular mobility of the amorphous drugs embedded into the fibers is responsible for their physical-chemical instability.

This Special Issue will address new developments in the area of electrospun nanofibers for drug delivery applications. We invite articles on all aspects of drug-loaded fibrous dosage forms focusing on the processability, structures and functions, and stability issues based on regulatory requirements.



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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

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Contact Us

Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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