

## Special Issue

# Recent Development of Electrospinning for Drug Delivery, 3rd Edition

### 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 induced by the high voltage applied to the drug-loaded solution. By modifying the characteristics of the solution and the spinning parameters, the functionality-related properties of the formulated fibers can be finely tuned. The fiber properties (high specific surface area, porosity, and the possibility of controlling the crystalline-amorphous phase transitions of the loaded drugs) result in improved rate and extent of solubility, causing the 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, covering the recent advances and future directions of electrospun fiber formulations and scalability.

### Guest Editors

Prof. Dr. Romána Zelkó

Prof. Dr. Dimitrios A. Lamprou

Dr. István Sebe

### Deadline for manuscript submissions

closed (10 August 2023)



## Pharmaceutics

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*Pharmaceutics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)

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Prof. Dr. Patrick J. Sinko  
Department of Pharmaceutics, Ernest Mario School of Pharmacy,  
Rutgers University, Piscataway, NJ 08854, USA

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