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The Future Potential of Electrospun Nanofibers for Advanced Applications

Guest Editors:

Message from the Guest Editors

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Deadline for manuscript submissions: closed (31 July 2023)

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Dear Colleagues,

Electrospinning is a fiber-forming technique that has been widely used to produce functional nanofibers with diversified compositions, of varied sizes, morphologies, and properties. The large surface area-to-volume ratio, diameter at the nanoscale, highly porous structure and the possibility of bulk or surface functionalization provide such materials with remarkable physical and chemical properties. For instance, such nanofibers have been successfully applied in the medical, pharmaceutical, environmental, and agricultural areas. This Special Issue is dedicated to showcasing advances in the last decade in the electrospinning technique and electrospun nanofibers (based on synthetic, natural, hybrid, and composite materials) applied in medical and pharmaceutical devices, in environmental remediation, in the design of sensors and biosensors, energy storage devices, smart food packaging, slow-release systems for agriculture and others.

Dr. Daniel S. Correa Dr. Luiza Amin Mercante Dr. Gareth R. Williams Dr. Karolina Dziemidowicz

Guest Editors







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