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Advances in Hybrid and Composite Materials Based on Micro/Nanofibers

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Message from the Guest Editors

Over the years, designing and developing hybrid materials and composites based on micro/nanofibers has progressively increased. These are a special class of materials widely used in various applications. This because of their versatile properties, especially for great active surface translated into high functionality. A wide range of precursors were used for obtaining polymer micro/nanofibers (classic or conducting polymers), organic-inorganic hybrids (e.g. polymers-metal oxides) or inorganic composites (e.g. metal oxides). However, there is still a lot of work to be done for obtaining materials with ideal characteristics.

The aim of this Special Issue is to bring together the recent studies on preparation, characterization and integration of micro/nanofibers based materials in devices with improved features. Regarding the preparation, all king of methods and precursors are accepted. An important step in developing functional hybrid and composite materials is their rigorous characterization utilizing advanced and complementary techniques. A device characterization or a potential application should be targeted.

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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