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Three-Dimensional Polymeric Scaffolds for Tissue Engineering Applications

Guest Editor:

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Message from the Guest Editor

Scaffolds play a major role in the fabrication of engineered tissues for regenerative medicine, drug testing, and other applications. They not only provide structural support to cells, but also provide directional, biochemical, and biological cues for cell alignment, migration, and differentiation. Polymers have always been the preferred materials for scaffold fabrication due to the wide range of properties they possess and the ease with which they can be processed into 3D structures. This Special Issue invites contributions from researchers working in all areas of 3D polymeric scaffolds for tissue engineering, including:

- Materials: smart polymers, polymer composites and nanocomposites, drug-loaded polymeric scaffolds, functionally gradient structures;
- Processes: electrospinning, 3D-printed polymeric scaffolds, bioprinting, 4D printing;
- Applications: tissue engineering, regenerative medicine, drug delivery.

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Message from the Editor-in-Chief

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