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# **Engineering Bionanocomposites for Functional Applications**

Guest Editor:

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Deadline for manuscript submissions:

closed (10 April 2019)

### **Message from the Guest Editor**

Bionanocomposites have been emerging as sustainable hybrid alternatives in various applications where conventional composites have been traditionally exploited. Until recently, they have been actively researched in areas regenerative medicine, electronics, food packaging, and water remediation. They are fabricated by combining natural polymers and solids, with nanoscale dimensions. Properties inherent to biopolymers render them highly suitable for regenerative medicine, and food science and technology. Also known nanocomposites, their development is interdisciplinary from polymer benefiting science, graphene. biomineralization, emulsion science, bioinspired materials, and biomimetic systems. This special issue intends to attract both research and review articles on the fabrication. characterization. functional applications and bionanocomposites. **Topics** of interest are thermomechanical properties, sustainable electronic materials employing graphene, cellulose-based nanocomposites, bionanocomposites for drug delivery, food packaging, tissue engineering in regenerative medicine, bio-based sensor applications, and finally, biodegradable nanostructured hydrogels.<











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### **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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