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## Bio-Inspired Materials for Biomedical Applications

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Deadline for manuscript  
submissions:

**closed (31 October 2020)**

### Message from the Guest Editors

Dear Colleagues,

Nature is an incredible source of inspiration for scientific research and for the development of novel materials for different applications. Biological constructs have inspired the design of a considerable number of biomaterials with a high potential in biomedical and pharmaceutical fields. Biocompatibility, controllable biodegradation, and improved mechanical properties are just some examples of the properties achieved through the appropriate definition of bio-inspired materials for a wide range of biomedical applications, such as tissue engineering, drug delivery, bioactive surface, antimicrobial devices for clinical use, and so on.

This Special Issue aims to collect the most recent advances in the development of bio-inspired materials for biomedical applications, and to provide the reader with examples of the relation between nature and progress in scientific research. Full papers, short communications, and reviews, would be greatly appreciated.



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## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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