

Special Issue

Novel Bioinspired Materials for Biomedical and Biotechnological Applications

Message from the Guest Editor

Nature is a practically inexhaustible source of inspiration for the design of synthetic materials. Hence, “bio-inspired materials” is a practically limitless field. In this Special Issue, we will focus on applications in medicine and biotechnology, where materials interact with biological systems, tissues, cells, and microorganisms to invoke the required response in a specific application. For example, we usually do not need microorganism growth in medicine, but we often need it in biotechnology. Characteristics of bio-inspired materials which are relevant for their performance may include, but are not limited to, topographical, chemical, mechanical, and electrical properties. Due to the wide scope of bio-inspired materials, contributions relating to biomaterials, tissue engineering, and biomimetics are also welcome.

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