

Special Issue

The Application of Two-Dimensional Materials in Bioinspired Technologies

Message from the Guest Editors

Two-dimensional (2D) materials have emerged as some of the most advanced categories of nanostructured materials for novel engineering and functional applications. These 2D nanostructures have shown outstanding and unprecedented physical–chemical properties owing to their atomic-scale dimensions, and electronic structures. The merit of 2D nanomaterials can be tailored into bioinspired systems to bring novel opportunities for the development of advanced technologies.

This Special Issue is divided into two main parts: Part 1: Synthesis and fabrication of bioinspired technologies, systems or devices based on 2D materials, covering the topics related to the bioinspired synthesis of 2D structures, systems, and technologies. Part 2: Applications and characterization of bioinspired systems or devices developed on the basis of 2D materials.

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