

Special Issue

Bioinspired Materials and Microdevices: Fabrications and Applications

Message from the Guest Editors

Engineered materials and microdevices inspired by Nature have played a crucial role in science and industry for decades. Bioinspired engineering always offers a simple and highly efficient scenario to overcome extreme environments that some of us encounter daily. For example, an ongoing study in water-harvesting mechanisms learned from *Stenocara* beetles living in the Namib Desert has evolved into bioinspired materials of patterned wettability, greatly improving the collection of limited water in arid regions. Another example mimicking chameleons has proved to be able to achieve more advanced and natural camouflage realization. Combined with active control systems and color-sensing units, the anonymity device can be further applied for military purposes, as an auxiliary military force. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on (1) the novel design and fabrication of bioinspired materials and/or their derived microdevices; and (2) emerging applications for improving human life based on any kind of bioinspired materials and microdevices. We look forward to receiving your outstanding submissions.

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