



Advances in Bio-Inspired Sensing: Materials and Devices

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Message from the Guest Editors

Dear Colleagues,

In modern society, sensors are ubiquitous. The recent advances in fields like autonomous driving, Internet of Things, or advanced robotics, drive a high demand to develop novel sensor materials and devices.

Bio-inspired materials and sensors have broad application prospects which range from disease diagnosis, control and therapy, bioengineering process control, agriculture and food security, battery health monitoring to environmental quality monitoring and beyond.

The design of bio-inspired sensors requires a deep understanding of the interplay between morphology, microstructure, and composition of stimulus-responsive materials as well as their sensing functionality. For the translation of such materials into a bio-inspired sensor device, aspects regarding the read out of the material's response as well as signal processing are of fundamental importance.

For this Special Issue, we encourage you to contribute original research papers that focus on all aspects related to bio-inspired sensing.

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sensors



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Message from the Editor-in-Chief

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