

Bio-Integrated Photonic Materials and Devices

Guest Editor:

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Message from the Guest Editor

This Special Issue focuses on presenting original research in bio-integrated photonic materials and devices, with special emphasis on the design and development of soft organic and inorganic photonic materials; flexible/soft optoelectronics; wearable and implantable photonics; as well as their biomedical applications to advance our knowledge and capability in healthcare, brain-machine interfaces, and disease diagnostics/therapeutics. Researchers from interdisciplinary fields such as biomedical engineering, materials science, mechanical engineering, and electrical engineering are invited to submit their contributions to this Special Issue. Topics include but are not limited to the following:

- Flexible/stretchable bioelectronics;
- Implantable photonics;
- Wearable photonics;
- Biodegradable photonics;
- Multifunctional optical biointerfaces;
- Nano-bio photonic interfaces;
- Biophotonic actuators and sensors;
- Optical characterizations of biological systems;
- Bioinspired and biomimetic photonic materials.

