



## Design and Application of Modern Evanescent Wave Photonic Sensors

Guest Editors:

**Dr. Cuma Tyszkiewicz**

Department of Optoelectronics,  
Silesian University of Technology,  
44-100 Gliwice, Poland

**Dr. Andrzej Kaźmierczak**

Institute of Microelectronics and  
Optoelectronics, Warsaw  
University of Technology,  
Koszykowa 75, 00-662, Warszawa,  
Poland

Deadline for manuscript  
submissions:

**closed (20 May 2023)**

### Message from the Guest Editors

Dear Colleagues,

We welcome research and review papers, both theoretical and experimental, in the areas concerning planar photonic sensors for the detection of physical, chemical and biological parameters. Topics include, but are not limited to:

- Photonics for metrology;
- Novel sensors and measurement architectures;
- Micro- and nano-structured planar photonic structures;
- Biosensors and photonic lab-on-a-chip analytical systems;
- Plasmonic photonic crystals;
- Functionalization of photonic structures;
- Self-organizing molecular photonic structures;
- Metamaterials and metasurfaces for applications in photonics.

We welcome papers concerning 1-D and 2-D photonic-crystal-based sensors, novel principles, structures and materials for photonic sensors, analytical and numerical optimization of planar photonic crystal topologies for evanescent wave sensing applications. We believe that your valuable input will allow further advancement in this most interesting and exciting research field.

