Optical Chemical Nanosensors

Message from the Guest Editors

Optochemical nanosensors have promising prospects because of their potential to improve the world in many ways. There are diverse applications, such as medical diagnosis, virology, food security, environmental monitoring, or homeland security, where optochemical sensors can play a relevant role.

In addition to the main challenges that any classic sensor would have to accomplish these goals, such as a high sensitivity and selectivity, a short response time, regeneration, accuracy, repeatability, interchangeability, and long-term stability, additionally, the small size of these devices also demands new methods of characterization, new sensing schemes and new techniques for fabrication.

Our aim for this Special Issue is to promote the exchanges of ideas and knowledge regarding optochemical nanosensors. The Special Issue focuses on research and development of sensing technologies and applications.
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