# Special Issue

# Functional Material-Enhanced Fiber-Optic Chemical Sensor

## Message from the Guest Editor

With the deep integration of nanotechnology and optical fiber sensing, functional material-enhanced fiber-optic chemical sensors have demonstrated revolutionary breakthroughs in terms of sensitivity, selectivity and real-time detection. This Special Issue focuses on this cross-disciplinary field, aiming to collect innovative research on the combination of functional materials (such as precious metal nanoparticles, carbon-based materials, metal–organic framework (MOF) materials, etc.) and fiber-optic sensing structures (such as fiber Bragg gratings, photonic crystal fibers, surface plasmon resonance fibers, etc.) and promote their applications in fields such as medicine, environmental monitoring, and food safety. Submissions are now open. Review articles and original research papers will be accepted, covering but not limited to the following aspects:

- Innovative fiber-optic sensor design;
- New optical detection mechanisms and technologies;
- New detection targets and application fields;
- Application of artificial intelligence in fiber-optic chemical sensing.

## Guest Editor

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## Deadline for manuscript submissions

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## Message from the Editorial Board

*Chemosensors* continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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