

## Special Issue

# Recent Advances in Optical Sensor for Mining

### Message from the Guest Editors

With the in-depth application of optical fiber sensing technology in the field of engineering monitoring, its passive, wide-area, refined, and anti-interference characteristics make it one of the top choices for engineering protection in disaster environments. As an intrinsically safe sensing and monitoring method, optical fiber sensing technology has natural advantages in coal mine applications and has made significant progress in areas such as mine pressure monitoring, roadway support, strata control, goaf fires, coal mine micro-seismic activity monitoring, and underground equipment safety. Its application in mining engineering can help further realize the progression from the perception to the cognition of mine disasters and accidents, which will effectively promote efficient, high-yield, green, and safe coal mining and can become a key solution to promote the intelligent construction of coal mines. For more details, please visit [here](#).

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### Guest Editors

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Prof. Dr. Xinqiu Fang

Dr. Gang Cheng

Dr. Qiang Yuan

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### Deadline for manuscript submissions

closed (25 December 2025)



## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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