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Materials Research Solid State Physics and Engineering

### **Sulfur Dioxide Sensors**

# Loveleen Kaur Gulati, Gurleen Kaur Gulati and Satish Kumar

Monograph / PDF eBook DRM Free

Recent progress on the sensing and monitoring of sulfur dioxide in the environment is presented.

*Keyword:* Sulfur Dioxide Toxicity, Environmental Effects of SO2, Health Effects of SO2, Potentiometric Gas Sensing, Amperometric Gas Sensing, Optical Gas Sensing, Colorimetric Gas Sensing, Fluorescence-based Gas Sensing, Ionic Liquids for SO2 Sensing, Semiconducting Metal-Oxides for SO2 Detection, Photoacoustic Gas Detectors, Biosensors for SO2 Monitoring

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Summary:

Recent progress on the sensing and monitoring of sulfur dioxide in the environment is presented. The sensing materials covered include potentiometric gas sensors, amperometric sensors, optical sensors involving colorimetric and fluorescence changes, sensors based on ionic liquids, semiconducting metal-oxide sensors, photoacoustic detectors and biosensors.

#### **Print Book Information**



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