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## Advances and Application of Gas Sensors

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**closed (15 June 2021)**

### Message from the Guest Editors

Dear Colleagues,

Global climate change is undoubtedly one of the biggest challenges that human beings are facing, whose effects will prevail for many years. Since this phenomenon is promoted by the massive emission of gases whose origin is quite diverse, the development of gas-sensing materials and devices has been an area of growing interest and research for decades. Other relevant applications of gas sensors can be found in the prevention of traffic accidents, detection of toxic atmospheres in industrial or residential areas, fire prevention, internal combustion engines, etc.. This Special Issue invites contributions about the development of sensors for environmental or hazardous gases based on 3D hierarchical metal oxide structures, nanostructured inorganic compounds, thin films.

Keywords:

- Environmental gas sensors
- Nanostructured oxides
- Semiconductor-based sensors
- Toxic gases detection



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**Special** Issue



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## Message from the Editor-in-Chief

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