# **Special Issue**

# Advances in Photothermal Techniques for Material Characterization and Sensor Development

# Message from the Guest Editor

The continuous advancement of photothermal techniques enables the characterization of functional materials and provides insights into their properties and processes, determining their functions and applications in modern technology. This Special Issue aims to bring together authors and readers to share new directions and the latest research in photothermal sensor development for material characterization. Topics include:

- Fundamentals of photothermics/photoacoustics thermophysical properties, laser ultrasonics, surface waves, nanoscale and ultrafast phenomena, laser physics, bio- and nanophotonics.
- Methodologies—instrumentation, measurement techniques, data processing, imaging, microscopy, spectroscopy, tomography, depth profiling, nondestructive evaluation.
- Material characterization—material science, analytical chemistry, photochemistry, thermal analysis, lowdimensional systems, nanoscale phenomena.
- Applications—microfluidics, atmospheric monitoring, environmental, agriculture, food, biomedical sensing, imaging, photothermal therapy, laser medicine, bioengineering.

## **Guest Editor**

Dr. Dorota Korte

Laboratory of Environmental Research, University of Nova Gorica, Vipavska 13, 5000 Nova Gorica, Slovenia

## Deadline for manuscript submissions

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/ 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.

#### Editor-in-Chief

#### Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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