



Quartz-Enhanced Photoacoustic and Photothermal Spectroscopy

Guest Editors:

Dr. Angelo Sampaolo

Polysense Lab – Dipartimento di
Fisica, Politecnico di Bari, Bari,
Italy

Prof. Dr. Hongpeng Wu

Institute of Laser Spectroscopy,
Shanxi University, Taiyuan
030006, China

Deadline for manuscript
submissions:

closed (5 July 2020)

Message from the Guest Editors

Dear Colleagues,

The present Special Issue was conceived with the aim of collecting and connecting all the provided contributions, works and analysis that are currently pushing quartz-enhanced photoacoustic and photothermal spectroscopy to the state of art. The topics of focus will embrace the new generation of custom resonators, novel experimental approaches, smart solutions to real-world challenges, as well as theoretically-oriented issues, such as simulation of QTF vibrational dynamics, analysis of broadband absorbers, the effects of gas matrix changes, and gas relaxation dynamics.

- Quartz-enhanced photoacoustic spectroscopy
- Quartz-enhanced photothermal spectroscopy
- Quartz tuning forks
- Trace gas detection
- In-situ real-time applications





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)