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## Applications of Raman Spectroscopy in Sensors

Guest Editor:

**Prof. Dr. Aris Docoslis**

Department of Chemical  
Engineering, Queen's University,  
Kingston, ON, Canada

Deadline for manuscript  
submissions:

**closed (31 October 2018)**

### Message from the Guest Editor

For this Special Issue, we invite both reviews and original research articles discussing novel Raman-based (bio)chemical sensing techniques that can be applied to analyte detection, quantification, or mapping. Research articles may focus on the use of Raman-based sensors in biological analysis, medical diagnostics, illicit drug detection, science, public safety, or food and water quality inspection. Chemical, colloidal, nanofabrication or other methods that can lead to ultrasensitive analyte detection through Raman signal enhancement (e.g., ultrasensitive SERS substrates) are welcome. Of special interest are applications of Raman spectroscopy with the potential to lead to miniaturized sensors, such as microfluidic (Lab-on-a-chip) devices, portable/handheld Raman sensors for point-of-need applications, etc. Reviews must offer a critical and up-to-date overview of the state of the art in a particular application, or discuss present and future challenges of Raman-based sensors (limit of detection, multiplexing, detection in complex matrices, etc.).



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**Special** Issue



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## Editor-in-Chief

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

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 Bari, Italy

## Message from the Editor-in-Chief

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*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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