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Spectroscopy and Sensors for the Analysis of Microbes

Guest Editor:

Dr. Cushla McGoverin

Department of Physics, University
of Auckland, Auckland 1010, New
Zealand

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Message from the Guest Editor

Dear Colleagues,

Human awareness and the utilization of microbes continues to increase due to the influence of microbiomes on health and the ability to use microbes for production and processing. For example, our understanding of the gut microbiome and its role in health is rapidly evolving, as is our understanding of how the soil microbiome influences soil fertility. Microbes are used to ferment foods, to achieve bioremediation, and to produce pharmaceuticals and fuels, while pathogenic microbes may cause infectious diseases. The need for technologies to characterize and count microbes and to understand microbial processes is high and has led to a wide range of spectroscopic and sensing methodologies being developed.

This Special Issue will focus on spectroscopy and sensors applied to the analysis of microbes.

Dr. Cushla McGoverin

Guest Editor



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Special Issue



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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

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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