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Spectroscopy and Sensors for the Analysis of Microbes

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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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Message from the Editor-in-Chief

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