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Machine Learning and Spectral Analysis for Smart Sensing

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Deadline for manuscript submissions:
closed (20 August 2021)

Message from the Guest Editors

This Special Issue puts a particular emphasis on machine and deep learning and signal processing in its broadest sense applied to spectral data analysis for sensing applications including food authentication, virus detection and quality monitoring. This issue will cover, but is not limited to, the following topics:

1. Signal processing, normalization, calibration and filtering;
2. Machine and deep learning and modelling;
3. Data-driven models and source separation;
4. Pattern recognition and classification;
5. Image processing and hyperspectral and multispectral imaging applications;
6. UV–Vis–NIR spectroscopy;
7. Surface-enhanced Raman scattering (SERS) spectroscopy;
8. Bio-inspired sensors and systems;
9. Portable and miniature spectrometers.

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Message from the Editor-in-Chief

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