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Spectroscopic Methods Applied in Food Quality Determination

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Message from the Guest Editor

Dear Colleagues,

Food quality determination is an important issue, and spectroscopic methods are effective detection technologies for food quality determination owing to their advantages of ease of use, rapid detection speed, nondestructive detection. Spectroscopic methods used in food quality determination include near- and mid-infrared spectroscopy, Raman spectroscopy, fluorescence spectroscopy (FS), hyperspectral imaging (HSI), terahertz spectroscopy, and nuclear magnetic resonance (NMR). Spectroscopic methods have widespread applications in agriculture, food, pharmaceuticals, and environmental protection.

Spectroscopic methods can obtain both quantitative and qualitative data at the same time. For food quality determination, chemometric methods should be used to determine the association between spectral data and food quality indicators. This Special Issue aims to collect recent and novel applications of spectroscopic methods in combination with chemometrics concerning food quality.

Prof. Dr. Xiaohong Wu
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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