

Special Issue

Chemometrics in Food Quality Control: New Challenges and Cutting-Edge Approaches

Message from the Guest Editors

Efficient food quality control cannot be imagined without suitable data processing tools. Chemometrics, as an unavoidable part of the modern quality control chain, provides various methods for data analysis, including pattern recognition and regression modeling, ranking and experimental design approaches. This Special Issue is focused on novel approaches in chemical, instrumental and physical analysis of food and agriculture products and chemometric processing of the analytical data in terms of:

- parametric and non-parametric pattern recognition (cluster analysis, principal component analysis, discriminant analysis, support vector machines, etc.);
- regression analysis (various linear and non-linear approaches);
- artificial intelligence (artificial neural networks);
- ranking approaches (sum of ranking differences);
- experimental design;
- analysis of variance (ANOVA);
- general descriptive statistics.

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