Special Issue

Chemometrics Tools Used in Analytical Chemistry

Message from the Guest Editor

The development of new instruments and hyphenated techniques as well as new analytical strategies such as profiling and fingerprtinting contribute to obtaining a large amount of data characterizing the systems studied. These methodologies require the use of chemometric tools for data analysis. In modern analytical chemistry, chemometric methods are used to design experiments and to extract analytical information from the multivariate and multiway data acquired during experiments. Chemometric methods enable the modeling properties of chemical systems and discover the structure and relationships of the data. The multivariate models developed using chemometric methods are the basis for the practical application of instrumental techniques in many field, including food analysis, process analytical technology, environmental control, medical, pharmaceutical, biological, and forensic fields.

This Special Issue aims to cover original research papers and reviews related to the development of new multivariate and multiway methods and to methodological aspects of chemometric research. Application-oriented papers related to using chemometrics in different fields are also very welcome.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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