



Symmetry and Asymmetry in Chromato-Mass-Spectrometry Analysis

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Message from the Guest Editor

Dear Colleagues,

Chromatography, mass spectrometry, and their symbiosis—gas chromatography–mass spectrometry—are some of the most common analytical methods at the present.

According to the results of major international exhibitions, instruments that implement these methods account for up to 70% of all analytical instruments. An important place is occupied by the analysis of chiral (optically active) objects.

The most important consumer of chiral separations is pharmaceutical chemistry. The biological activity of different isomers often differs dramatically, which requires special synthesis, preparative separation, and, most importantly, analytical control over the content of each specific isomer.

This issue will be devoted to the use of chromatography, mass spectrometry, and gas chromatography-mass spectrometry in the analysis of chiral (optically active) objects...





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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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