Special Issue

Multidimensional Chromatography

Message from the Guest Editor

The origin of multidimensional chromatography lies in planar chromatography. The coupling of chromatographic techniques is clearly attractive for the analysis of complex mixtures; in fact, numerous combinations have been proposed involving liquid chromatography, gas chromatography, supercritical fluid chromatography, and electrically driven separations. Multidimensional chromatography under heart-cutting or comprehensive mode represents a capable tool for expanding the peak limit of monodimensional analysis. Using orthogonal chromatographic systems, analytes can be separated by exploiting two different mechanisms. Moreover, the availability of numerous software for method development, data acquisition, and data handling will indeed bring in many new applications. The aim of this Special Issue is to collect both original research papers and review articles able to highlight advancements in the use of multidimensional chromatography in different fields and stimulate dialogue about major obstacles that are still present.

Guest Editor

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Editor-in-Chief

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