



Molecules

an Open Access Journal by MDPI

CiteScore: 8.6

Indexed in PubMed

Impact Factor: 4.6

Special Issue Reprint

Chromatography

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Separation, qualitative analysis, and quantitative analysis can be achieved by choosing the right conditions. Thus, numerous gas chromatographic, liquid chromatographic, and supercritical fluid chromatographic methods have been developed and applied to most types of samples and most kinds of analytes. Not to mention the fact that older varieties, such as paper chromatography and thin-layer chromatography, were pioneer analytical techniques in many laboratories. In particular, when hyphenated to spectrometric techniques chromatography also allows for the identification of separated analytes in a single run. Highly sophisticated equipment can answer all analytical problems very quickly.

Chromatographers cooperate with many scientific fields and provide their insights to medical doctors, veterinarians, food scientists, biologists, dentists, archaeologists, etc. The choice of two-dimensional approaches can expand the power of chromatographic techniques, either in heart-cut or comprehensive modes. In this Special Issue, the Guest Editors invited analytical chemists to prove that their separation technique is the ultimate analytical tool.

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