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Chromatographic Techniques in Forensic Chemistry and Toxicology

Guest Editor:

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Message from the Guest Editor

Chromatographic techniques are integral to systematic analysis, allowing for the proper investigation of forensic cases of a chemical and/or toxicological interest. The variety and complexity of seized samples and biological specimens have necessitated the development of sensitive analytical methods, mainly based on chromatographic techniques, that are capable of the qualitative and quantitative determination of a variety of prescribed drugs, drugs of abuse, volatiles, and other chemicals. Chromatographic techniques, such as HPLC coupled to UV and/or DAD, have been extremely useful for preliminary screening. GC or LC coupled to mass spectrometry is critical for confirmation of the presence of substances in samples. GC–FID has a unique role in the identification of volatile substances in biological fluids. In this sense, the role of chromatographic techniques during the preliminary screening process is often essential and a mandatory part.

The aim of this Special Issue is to present the latest developments in the application of chromatographic techniques as applied in forensic chemistry and toxicology with respect to extraction, chromatographic, and detection trends.

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Message from the Editor-in-Chief

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