



Chromatographic Screening of Natural Products

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Message from the Guest Editors

Chromatography is one of the most powerful techniques in natural product investigation. Mainly, it is used for qualitative and quantitative analysis of target compounds. However, no less important is chromatographic screening, a fast method of semi-quantitative data acquisition concerning all components of a given sample. TLC and its high performance version, i.e., HPTLC, is competitive with HPLC in screening analysis, which in case of (HP)TLC can be done for many samples in parallel and with lower costs. Chromatographic profiling can be done based on chemical, biological and physicochemical/spectroscopic properties of sample components. However, the most important are pharmacological properties of natural products, in particular correlation of bioactivity of their constituents with structural information. Biological and/or chemical fingerprints are chromatographic patterns of biologically active and/or chemically characteristic constituents present in the sample. HPLC and (HP)TLC hyphenated with bioassays belong to so-called effect directed analysis (EDA).

All the above-mentioned issues related to chromatographic screening will be the subject of the proposed Special Issue.





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Message from the Editor-in-Chief

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