

## The Role of Chiral of Essential Oils in Medicinal Chemistry

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The vast majority of essential oils are produced from plant material in which they occur by different kinds of distillation or by cold pressing in the case of the peel oils from citrus fruits. Most of the methods applied in the analysis of essential oils rely on chromatographic procedures, which enable component separation and identification. However, additional confirmatory evidence is required for reliable identification, avoiding equivocated characterizations. In the early stages of research in the essential oil field, attention was devoted to the development of methods in order to acquire deeper knowledge on the profiles of volatiles; however, this analytical task was made troublesome due to the complexity of these real-world samples. Over the last decades, mentioned research area has benefited from the improvements in instrumental analytical chemistry, especially in the chromatographic area and nowadays, the number of known constituents has drastically increased. A good knowledge of chromatographic theory is indeed of great support for the method optimization process as well as for the development of innovative techniques.

### Biography:

Associate Professor Khaled Sekkoum is a Team Supervisor in Bioactive Molecules and Chiral Separation Laboratory University UTM Bechar, Algeria. He is member of many academic and scientific societies and founder of Algerian young chemist's biochemists society.

Currently, he is active as Supervisor of many PhD Thesis in chemistry of natural products and author of three books and chapters and about of forty scientific papers with impact factor. His interested skills are natural products and nutrition (isolation, characterization and bioactivity).