

## The science and art of organic trace analysis by chromatography

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Trace organic analysis by chromatography is related to many state-of-the-art methodologies in several fields such as climatic change and global warming, related to the analysis of environmental pollutants, disease diagnosis through the detection of specific biomarkers in several biological fluids, anti-doping control in sports, DNA pattern in forensic analysis, and identification of insect sexual attractants, which may contribute to increase crop yields by means of biological control of pests instead of chemicals. However, when the analyst faces a specific problem in the lab, a mixture of science and art is the way to succeed in the analysis, like a painter choosing the best colors and shades. That's the experience shown in the book "Trace Organic Analysis" from the presenter, which has been recently edited by the Editorial Académica Española. The book is divided in 5 chapters including theoretical principles for qualitative and quantitative analysis of trace organics, the chromatographic instrumentation needed to reach low detection limits and applications examples on pollutants determination (air, water and soil), bioactive principles in natural products extracts and biomarkers in biological fluids.

### Biography

Alberto J. Nuñez Sellés completed his University studies in Havana (1975), Ph.D. from the Academy of Sciences of Tchekoslovaquie (1985) and Dr.Sc from the University of Havana (2007). At present, he is the Research Director, National Evangelic University, Santo Domingo, Dominican Republic. He has published 6 books, 15 book chapters and more than 100 articles in scientific peer review journals. He serves as editorial board member or referee journals and works actively within the International Union of Pure and Applied Chemistry (IUPAC) and other international scientific bodies.

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