

EDITORIAL

About this Issue

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This issue of BrJAC features an insightful **Interview** with Prof. Ralph Sturgeon, an emeritus researcher at the National Research Council in Canada. His extensive contributions to inorganic analytical chemistry, particularly in trace element analysis, vapor generation, organometallic speciation, and the production of Certified Reference Materials, are of major importance to the field. In this interview, Prof. Sturgeon shares his personal and professional academic and scientific journey, inspiring our readers.

The development of analytical methods that provide fast and accurate responses at lower costs is a growing demand. With the increasing globalization of trade, the need for comparable analytical data worldwide has also become a requirement. Therefore, modern analytical chemistry depends heavily on designing optimal measurement procedures and experiments to extract maximum relevant chemical information. To advance knowledge on this issue, the **Point of View** presents an exciting discussion on the interface between chemometrics and chemical metrology. Prof. Elcio Cruz de Oliveira offers valuable insight into this critical issue, presenting data on the use of the words “Chemometrics”, “Metrology”, and “Uncertainty” in 416 articles published in the Brazilian Journal of Analytical Chemistry from 2010 to 2024.



Microfluidics is a system that manipulates small amounts of fluids through channels ranging from tens to hundreds of micrometers in size. As a result, processes that typically require a whole laboratory can be integrated into a simple, micro-sized system. The **Letter** from Dr. Reverson F. Quero, Prof. José Alberto F. da Silva, and Prof. Dosil P. de Jesus shows how 3D printing has advanced the manufacturing of microfluidic devices.

As highlighted in the last BrJAC Editorial, the journal’s impact factor increased from 0.7 to 1.1. This achievement not only reflects the publication of high-quality articles based on rigorous research methods but also considers the journal’s growing visibility, which attracts more submissions worldwide. I am delighted to note that of the five **Articles** published in this issue, four come from abroad (two from India, one from Malaysia, and one from Morocco). These articles are based on thorough studies, utilizing a diverse range of techniques such as spectrophotometry, potentiometry, PCR analysis, scanning electron microscopy, Fourier transform infrared spectroscopy, and X-ray diffraction. This broad array of techniques clearly shows the increasing importance of analytical chemistry as a central science driving scientific advancements.

The growing interest of researchers worldwide in BrJAC demonstrates that our journal is an excellent vehicle for disseminating high-quality information across all aspects of analytical chemistry. I hope you enjoy this issue!



Mauro Bertotti is a Full Professor at the Institute of Chemistry, University of São Paulo (IQ-USP), São Paulo, SP, Brazil. His research focuses primarily on electroanalytical chemistry, with an emphasis on microelectrodes, electrochemical sensors, and scanning electrochemical microscopy.

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