

11th Edition of International Conference on Analytical Chemistry

February 24-25, 2020 | Berlin, Germany

Analytical Chemistry 2020

Tourist Attractions @ Berlin, GermanyKaiser Wilhelm
Memorial Church

Reichstag



Berlin TV Tower



Museum Island



Oberbaum Bridge

11th Edition of International Conference on Analytical Chemistry scheduled during April 22-23, 2020 in Berlin, Germany**Adrian Szczyrba**

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[Automation](#) has faded the demand for analytical chemists to conduct the continual routine analysis—robots will prepare and analyze several samples, whereas advances in pc power permit the event of more and more sophisticated [algorithms](#) to analyze and interpret analytical results.

Combinations of the above techniques produce a "hybrid" or "hyphenated" technique. Several examples are in popular use today and new hybrid techniques are under development. For example, Gas chromatography, mass spectrometry, Gas chromatography-infrared spectroscopy, liquid chromatography-mass spectrometry, liquid chromatography-NMR spectroscopy, Liquid chromatography, Infrared spectroscopy and capillary electrophoresis-mass spectrometry.

Analytical chemistry has applications including in [forensic science](#), [bioanalysis](#), [clinical analysis](#), environmental analysis, and materials analysis. Analytical chemistry research is largely driven by performance (sensitivity, detection limit, selectivity, robustness, dynamic range, linear range, accuracy, precision, and speed), and cost (purchase, operation, training, time, and space). Among the main branches of contemporary analytical atomic

spectrometry, the most widespread and universal are optical and mass spectrometry.[18] In the direct elemental analysis of solid samples, the new leaders are laser-induced breakdown and laser ablation mass spectrometry, and the related techniques with transfer of the laser ablation products into inductively coupled plasma. Advances in design of diode lasers and optical parametric oscillators promote developments in fluorescence and ionization spectrometry and also in absorption techniques where uses of optical cavities for increased effective absorption path length are expected to expand. The use of plasma- and laser-based methods is increasing. An interest towards absolute (standard less) analysis has revived, particularly in [emission spectrometry](#).

These more and more refined [analytical strategies](#) and instrumentation, still as increasing regulative necessities, have opened new opportunities for analytical chemists during a type of area. For E.g., quality assurance chemists facilitate to check that analytical labs follow documented and unique procedures, and [chemists](#) with precise technical and pc skills area unit required to develop and use complex analytical

techniques. Government agencies want analytical chemists to verify compliance with regulative necessities. Finally, company downsizings and [outsourcing](#) have provided the impetus for several entrepreneurial analytical chemists to begin their own businesses, specializing varieties of analyses or categories of compounds.

Analytical chemistry has been an indispensable area in the development of nanotechnology. Surface characterization instruments, electron microscopes and scanning probe microscopes enables scientists to visualize atomic structures with chemical characterizations.

The Facts and Facets of [Analytical Chemistry 2020](#) and the most recent research are going to be illustrated by Adrian Szczyrba, Department of Physical Chemistry, Medical University of Lublin, Poland in the “11th Edition of International Conference on Analytical Chemistry “scheduled for April 22-23, 2020 in Berlin, Germany. With the help of our esteemed Organizing Committee Members this conference is expected to be one of the most successful and productive events in the history of ME Conferences.

We invite you to join us to witness invaluable scientific discussions and add to the prospect's future advancements in the upcoming “11th Edition of International Conference on Analytical Chemistry” which is going to be held during April 22-23, 2020 in Berlin, Germany

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