

EUROANALYSIS 2019: XX EUROPEAN CONFERENCE ON ANALYTICAL CHEMISTRY

The Euroanalysis XX Conference was organized by the Turkish Chemical Society, and it was held from September 1st to 5th 2019 in Istanbul, Turkey. The meeting was hosted by the Analytical Chemistry Division of the Turkish Chemical Society and the Ankara University and Istanbul University in collaboration with Division of Analytical Chemistry of European Association for Chemical and Molecular Sciences (DAC-EuChemS).

The meeting aimed to cover all aspects of the analytical chemistry, starting from sample preparation to detection and data analysis processing. Different applications in food, metabolomics, environmental, biomedical and pharmaceutical analysis were covered in different plenary and keynote presentations by internationally renowned leaders of the field and by talks and poster presentations. A *Young Researcher's Session* was also organized to give the opportunity to Ph.D. students and postdocs to share their works and results.

Short training courses started 31st August in the morning in 4 different halls, covering different topics: chemometrics, biosensors, bioanalysis, ion mobility mass spectrometry, metabolomics, capillary electrophoresis and proteomics. Short courses continued on Sunday morning, and were focused on challenges in analytical development for pharmaceutical industry, enantioseparations, sample preparations and solid phase microextraction and protein purification.

The scientific program of the congress started on Sunday 1st September afternoon. More than 600 participants were registered and followed the first Opening Ceremony by Sibel A. Ozkan, Chair and chief organizer of the congress. Two plenary lectures followed the opening ceremony with '*A short history of analytical chemistry in Turkey*' by Prof. Osman Yavuz Ataman and '*Single molecule sensing of clinical biomarkers*' by Prof. Luisa Torsi.

The second day, after two plenary lectures in the morning, 4 parallel sessions in separation sciences, education, sensors and chemical analysis took place. During the afternoon, other 4 parallel sessions were run, covering electroanalysis, chemometrics, omics and atomic spectroscopy.

In general, the congress was full of interesting sessions such as the oral presentation by Domenica Mangraviti on '*High throughput lipidomics analysis by ultra-high performance liquid chromatography combined with a novel dual-filter mass spectral library for identification purpose*' and by Nataša Gros on '*What water bodies as a topic have to offer for project-centered cooperative learning at master level*'. Other interesting presentations were the keynote lecture by Wolfgang Lindner on '*Enantioselective 2D-LC concepts and their implementation to analyze D-amino acids and other target compounds*' and the plenary lecture by Anthony P.F. Turner on '*Smart polymer biosensors*'.

Tuesday and Wednesday held 223 posters presentations and 18 sessions with more than 95 platform discussions. Many of the events were focused on separation science, biosensors, bioanalysis, microfluidics, sample preparation and green analytical chemistry and material sciences, among others. Special emphasis was paid to the multidimensional chromatography (gas and liquid chromatography) for the analysis and identification of metabolic compounds, proteins and toxins in human, environmental, and food samples. It was very useful to learn firsthand about new aspects in analytical chemistry, for instance, during the plenary lecture on '*Development and application of matrix compatible coatings for clean selective enrichment from complex samples*' or '*Why smaller is better in extraction?*' by Janusz Pawliszyn.

Thursday, after two plenary sessions, was dedicated to the young scientist's oral communications. This was a good opportunity for the students to present their work and to share, even with a very short time, their findings.

The XX Euroanalysis congress finished with a young scientists' award for the best oral communication and poster presentation. Up to 20 students from all over the world were awarded a special prize by Elsevier, the Turkish Chemical Society and the EuChemS Division of Analytical Chemistry. The closing ceremony finished with a dance and a beautiful presentation of the Euroanalysis 2021 to be held in The Netherlands.

We can conclude that Euroanalysis 2019 was a great experience. Not only we had the chance to present our research, but we also enriched our knowledge in different fields of analytical chemistry and expanded our professional network. This experience brought new discussions, ideas and inspiration.

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