

## Conference Reports

### 4th Aegean Analytical Chemistry Days (AACD 2004)

Fantasia Hotel, Aydin, Turkey, September 29–October 3, 2004

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AACD 2004 was organised by the Adnan Menderes University. The main sponsor was the Scientific and Research Council of Turkey (Tubitak).

The congress has a six-year tradition, meanwhile becoming increasingly international with each congress. The Ege University, Turkey, was the first organiser of AACD in 1998, followed by the Uludag University, Turkey in 2000, and the Athens University, Greece in 2002.

More than 350 participants attended the congress. They came from Algeria, Belgium, Germany, Greece, Hungary, Iran, Macedonia, PR China, Poland, Portugal, Romania, Serbia and Montenegro, the Slovak Republic, and from Turkey. 46 platform and 254 poster presentations discussed topics from electrochemistry to environmental chemistry.

Invited lecturers from different countries presented the following topics in Analytical Chemistry:

- Speciation analysis of mercury by multicapillary gas chromatography-inductively coupled plasma-time of flight mass spectrometry: Comparison of PTI and SPME (FREDY C. ADAMS, Belgium)
- Design and applications of highly luminescent transition metal complexes (JAMES N. DEMAS, USA)
- Detection and identification of proteins by LC-MS and CE-MS: A tool in Analytical Chemistry (J. BARBOSA, Spain)
- On-line elemental speciation in aqueous solutions (K. PYRZYNSKA, Poland)

- Disinfection by-products (DBPs) in water – An analytical challenge (FRITZ H. FRIMMEL, Germany)
- Analytical electrochemistry with mesoporous silica-based organic-inorganic hybrids (ALAN WALCARIUS, France)
- Rapid isolation of biological active compounds from plant materials by isoelectric focused adsorptive bubble chromatography (HARUN PARLAR, Germany)
- Automated total antioxidant capacity assays (CONSTANTINOS A. GEORGIU, Greece)
- Application of nanomaterials to chemiluminescence analysis (XINRONG ZHANG, PR China)
- Speciation analysis of arsenic in natural waters and beverages by HG-AAS (TRAJCE STAFILOV, Macedonia)
- Molecularly imprinted polymers. Bio-inspired knowledge based materials for separations, sensing and beyond (GEORGIOS THEODORIDIS, Greece)
- Chemiluminescence in olive oil analysis (ANTONY CALOKERINOS, Greece)
- Atom trapping in atomic spectrometry (YAVUZ ATAMAN, Turkey)
- Applications of FT-IR spectrometry in textile process control (SEREF GUCER, Turkey)
- Electrochemical DNA biosensors (MEHMET OZSOZ, Turkey)

Many interesting posters were displayed, and the following four were awarded as the best posters of the congress:

- Preconcentration and atomic spectrometric determination of rare earth elements in environmental samples (TURKER PASINLI et al., IYTE, Turkey)
- Determination of arsenic species in seafood from Greece by HPLC-(UV)-HG-AFS (RICHARD SCHAEFFER et al., Szent Istvan University, Hungary)
- Determination of magnesium calcium and sodium in plasma by capillary zone electrophoresis (NURAN OZALTIN, Hacettepe University, Turkey)
- Separation and characterization of configurational stereoisomers from cycloaddition reactions of new methoxy substituted-6-arylfulvenes (EMINE BAGDATLI, Yildiz Technical University, Turkey)

The books of abstracts and proceedings were made available at the beginning of the congress. Selected papers will be published in *Analytica Chimica Acta*.

The 5th Aegean Analytical Chemistry days will be held in Thessaloniki, Greece in 2006