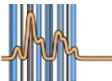


IMA 2019



11th International Conference on
"Instrumental Methods of
Analysis"

Ioannina, September 26-29, 2019



Dear Colleague,

The University of Ioannina and the National Technical University of Athens are delighted to organize the **11th International Conference on "Instrumental Methods of Analysis" (IMA-2019) in Ioannina, Epirus, Greece, on 26-29 September 2019**.

IMA is a biannual series of conferences that started in 1999 and covers all areas of Chemical Analysis, including the development of new techniques, modern trends and applications in a wide range of scientific disciplines. To date many leading analytical chemists have presented their research at IMA meetings.

For the **11th anniversary IMA conference**, it is our ambition to bring together some of the most talented and innovative analytical chemists from all over the world for an excellent scientific conference on the picturesque city of Ioannina.

The scientific program will consist of keynote lectures, oral and poster presentations, given by a wide mix of scientists ranging from established academics and world leaders in analytical chemistry, all the way through to dynamic and ambitious graduate students. In addition, we aim to attract contributions from commercial organizations, including presentations of new instrumentation, new applications and assessment of future commercial trends and opportunities. We therefore anticipate a very energetic and dynamic scientific gathering!

Some of the general themes that will be covered at **IMA-2019** include current trends and developments in:

- * Spectrochemical, Electrochemical, Chromatographic, Mass Spectrometric, Microscopic and Thermal analysis methods,
- * Proteomics, Metabolomics, Metallomics and Elemental Speciation Analysis,
- * Chemical- and bio- sensors,
- * Field analysis - Mobile analytical instruments,

- * Miniaturized analytical systems (Lab-on-a-Chip), micro- and nano- fluidics,
- * Immunoassays, Electrophoretic separation techniques,
- * Sampling techniques and strategies,
- * Sample handling and preparation,
- * Robotics and Automation, Quality control-quality assurance in analysis, Metrology,
- * Environmental, Biomedical, Pharmaceutical, Food, and Materials Analysis (Nanomaterials, Smart/ Advanced Materials), as well as Archaeometry,
- * Analytical chemistry markets and possibilities for commercialization.

We look forward to welcome you in **Ioannina for IMA-2019**, and in return promise a rewarding and enjoyable conference! Shortly we will inform you on the conference website where you will be able to find all relevant information for attending IMA-2019.

The Chair of IMA-2019

Prof. Triantafyllos A.D. Alimpanis
Lab. of Analytical & Environmental
Chemistry
Department of Chemistry
University of Ioannina

Prof. Maria Ochsenkühn-Petropoulou
Lab. of Inorganic & Analytical
Chemistry
School of Chemical Engineering
National Technical University of Athens



11th International Conference on
“Instrumental Methods of
Analysis”

Ioannina, September 26-29, 2019



11th International Conference on Instrumental Methods of Analysis: Modern Trends and
Applications
-IMA 2019-

September 26-29, 2019, Ioannina

Organized by

Department of Chemistry, University of Ioannina



School of Chemical Engineering, National Technical University of Athens



European and Mediterranean Association for Environmental Education Assessment and
Protection (ENEAP)



ORGANIZING COMMITTEE

Chairpersons

Prof. Triantafyllos A.D. Albanis (Almanidis), Laboratory of Analytical and Environmental Chemistry, Department of Chemistry, University of Ioannina

Prof. Maria Ochsenkühn-Petropoulou, Laboratory of Inorganic and Analytical Chemistry, School of Chemical Engineering, National Technical University Athens

Members

Prof. A. Vlessidis (Univ. Ioannina), Prof. K. Stalikas (Univ. Ioannina), Prof. M. Prodromidis (Univ. Ioannina), Prof. A. Pappa (NTUA), Prof. I. Panteri (Univ. of Athens), Assoc. Prof. I. Konstantinou (Univ. Ioannina), Assoc. Prof. D. Hela (Univ. Ioannina), Ass. Prof. V. Sakkas (Univ. Ioannina), Ass. Prof. D. Giokas (Univ. Ioannina), Lect. F. Tsopelas (NTUA), Dr. V. Boti (Univ. Ioannina), Dr. Ch. Tsoutsi (Univ. Ioannina) and Dr. Ag. Florou (Univ. Ioannina).

Local Organizing and Technical Support Committee

Th. Lymeropoulou (NTUA), L.A. Tsakanika (NTUA), O. Serifi (NTUA), Ch. Kosma (Univ. Ioannina), Ch. Nannou (Univ. Ioannina), M. Kapsi (Univ. Ioannina), Ep. Trantopoulos (Univ. Ioannina), P. Konstas (Univ. Ioannina), M. Kalamboka (Univ. Ioannina), A. Kalogeropoulou (Univ. Ioannina), E. GOTSI (Univ. Ioannina), St. Pateras (Univ. Ioannina), I. Mpoukouvalas (Univ. Ioannina), D. Kifokeri (Univ. Ioannina), K. Simeonidis (Aristotle University of Thessaloniki).

COMMITTEES

International Scientific Committee

F. Adams (Univ. Antwerp), D. Anglos (Univ. Crete-FORTH), A. Anthemidis (AUTH), O. Yavuz Ataman (METU, Ankara), M. Beazi-Katsioti (NTUA), B. Beckhoff (PTB Berlin), A. Bobrowski (AGH Krakow), I. Braschi (Univ. Bologna), I. Brzeski (Univ. Belgrade), S. Bufo (Univ. Basilicata), A. Calokerinos (Univ. Athens), N. Chaniotakis (Univ. Crete), Th. Christopoulos (Univ. Patras), S. Chanthalai (Khon Kaen Univ.), I. Cretescu (Gheorghe Asachi Technical University of Iasi, Romania), T. Dagnac (Univ. Santiago de Compostela), A. Detsi (NTUA), I. Dotsikas (Univ. Athens), L. Ebdon (Univ. Bedfordshire), C. Efstatithiou (Univ. Athens), K. Eleftheriadis (NCSR, Demokritos, Athens), A.R. Fernández-Alba (Univ. Almeria, Spain), W. Frenzel (TU Berlin), C. Georgiou (AU Athens), C. Giaginis (Univ. Aegean), D. Giokas (Univ. Ioannina), Hamilakis (NTUA), D. Hela (Univ. Ioannina), G. Hieftje (Indiana Univ.), G. Kakali (NTUA), A. Isleyen (TUBITAK, Turkey), N. Kallithrakas-Kontos (TU Crete), S. Kamitsos (NHRF, Athens), M. Kanakidou (Univ. Crete), J. Kapolos (TEI Peloponnese), M. Karayannis (Univ. of Ioannina), A. Kettrup (TU Munich), D. Knopp (TU Munich), A. Koliadima (Univ. Patras), K. Kollia (NTUA), M. Kompitsas (NHRF, Athens), I. Konstantinou (Univ. Ioannina), K. Kordatos (NTUA), M. Koupparis (Univ. Athens), M. Krokida (NTUA), M. Llompart (Santiago de Compostela), R. Lobinski (Univ. Pau), M. Loizidou (NTUA), G. Lyberatos (NTUA), N. Lydakis-Simantiris (Univ. Appl. Sciences, Crete), K. Magoulas (NTUA), I. Malollari (Univ. Tirana), B. Michalke (Helmholtz Center Munich), M. Mitrakas (AUTH), A. Moropoulou (NTUA), A. Moutsatsou-Tsima (NTUA), T. Negreanu-Pirjol (Ovidius Univ., Constanta, Romania), R. Niessner (TU Munich), K.-M. Ochsenkühn (NTUA), M. Ochsenkühn-Petropoulou (NTUA), V. Oreopoulou (NTUA), D. Panias (NTUA), I. Panderi (Univ. Athens), I. Papadoyannis (AUTH), A. Pappa (NTUA), S. Pergantis (Univ. Crete), M. Prodromidis (Univ. Ioannina), H. Puxbaum (TU Vienna), E. Rosenberg (TU Vienna), V. Sakkas (Univ. Ioannina), V. Samanidou (AUTH), C. Samara (AUTH), A. Sanz-Medel (Univ. Oviedo), S. Seeger (BAM Berlin), A. Spyros (Univ. Crete), C. Stalikas (Univ. Ioannina), M. Statheropoulos (NTUA), I. Stratis (AUTH), J. Szpunar (CRNS, Pau), P. Taoukis (NTUA), Z. Tesic (Univ. Belgrade), N. Thomaidis (Univ. Athens), A. Tsantili-Kakoulidou (Univ. Athens), M. Tsapakis (HMCR, Crete), F. Tsopelas (NTUA), Ch. Tsoutsi (Univ. Ioannina), N. Tzamtzis (NTUA), C. Tzia (NTUA), R. Tzimou-Tsitouridou (AUTH), A. Vlessidis (Univ. Ioannina), G. Zachariadis (AUTH).

Continuation Committee

M. Ochsenkühn-Petropoulou, NTUA (IMA 1999, 2009, 2013, 2015), M. Karayannis, Univ. Ioannina (IMA 2001), I. Stratis, AUTH (IMA 2003), N. Chaniotakis, Univ. Crete (IMA 2005), Th. Christopoulos, Univ. Patras (IMA 2007), A. Calokerinos, Univ. Athens (IMA 2009), N. Kallithrakas-Kontos, TU Crete (IMA 2011), R. Tzimou-Tsitouridou, AUTH (IMA 2013), J. Kapolos, TEI Peloponnese (IMA 2015), S. Pergantis, Univ. Crete (IMA 2017)