



► Natasa Kalogiouri

PhD Student at University of Athens

Phone: +302107274902

E-mail: kalogiourin@chem.uoa.gr

Education

B.Sc. in Chemistry (2006-2011), Aristotle University of Thessaloniki, Grade: 6.76/10

M.Sc. in Advanced Chemical Analysis (2011-2013), Aristotle University of Thessaloniki, Grade 9.38/10

Research Topic:

“Development of new high resolution mass spectrometric methods for food authentication”. The current research aims at the development of HRMS methods for the identification and, if possible, subsequent quantification of markers that could be used for food authentication. Generic sample extraction procedures will be tested and target, suspect and non-target screening workflows will be applied. Advanced chemometric tools will be used for data treatment.

Research Interests

1. Food chemistry
2. Environmental chemistry
3. Archaeometry
4. Separation techniques and Mass Spectrometry
5. Speciation analysis
6. Atomic Absorption Spectrometry
7. Atomic Emission Spectrometry
8. Sample preparation (MAE)
9. Flow Injection Analysis
10. X-Ray Fluorescence Spectroscopy
11. X-Ray Diffraction Analysis

Publications in books

1. N.P. Kalogiouri, N.S. Thomaidis, Chapter 18: High throughput screening multicontaminants' methods for multiresidue analysis, Food Authentication: Analysis, Regulation & Consumers, Wiley. In Press.

Publications in journals

1. A.N. Anthemidis, N.P. Kalogiouri, Advances in on-line Hydride Generation Atomic Spectrometric Determination of arsenic, *Analytical Letters*, 2013, 46 (11), 1672-1704, DOI: 10.1080/00032719.2012.755691
2. A.N. Anthemidis, E.I. Daftsis, N.P. Kalogiouri, Development of a Sequential Injection Lab At Valve system coupled with Hydride Generation Atomic Absorption Spectrometry for inorganic arsenic determination in environmental samples, *Analytical Methods*, 2014, 6(8), 2745-2750, DOI: 10.1039/c3ay42159g

Publications in conference proceedings

1. N.P. Kalogiouri, I. Nazlis, D. Ignatiadou, J.A. Stratis, A preliminary study of Roman Glass Fragments from Thessaloniki Agora, International Symposium on "History Technology and conservation of ancient metal, glasses and enamels", Athens, 2011.
2. N.P. Kalogiouri, I. Nazlis, D. Ignatiadou, J.A. Stratis, Physicochemical and analytical techniques and methods in the study of Roman Glass, 39th International Symposium on Archaeometry: "50 years of ISA", 39th International Symposium on Archaeometry: "50 years of ISA", Leuven, Belgium, 2012.
3. J.A. Stratis, C.N. Makarona, E.N. Charalampous, N.P. Kalogiouri, Glass, a material indicator of Human adventure. A Holistic view., 19th International Congress of the Association Internationale pour l'Histoire du Verre, Piran – Slovenia. 2012.

Conferences Presentations

1. N.P. Kalogiouri, I. Nazlis, D. Ignatiadou, J.A. Stratis, A preliminary study of Roman Glass Fragments from Thessaloniki Agora, International Symposium on "History Technology and conservation of ancient metal, glasses and enamels", 17-20/12/2011, Athens, Greece. Oral Presentation
2. N.P. Kalogiouri, I. Nazlis, D. Ignatiadou, J.A. Stratis, Physicochemical and analytical techniques and methods in the study of Roman Glass, 39th International Symposium on Archaeometry: "50 years of ISA", 28/5-1/6/2012, Leuven, Belgium. Poster Presentation
3. J.A. Stratis, C.N. Makarona, E.N. Charalampous, N.P. Kalogiouri, Glass, a material indicator of Human adventure. A Holistic view., 19th International Congress of the Association Internationale pour l'Histoire du Verre, 18-22/9/2012, Piran – Slovenia. Oral Presentation
4. N.P. Kalogiouri, A.N. Anthemidis, On-line hydride generation for arsenic determination. Advances and perspectives in analytical methodologies, 12th International Conference on Flow Analysis. 23-28/9/2012, Thessaloniki, Greece. Poster Presentation
5. N.P. Kalogiouri, A.N. Anthemidis, Sequential injection analysis with lab-at-valve (SI-LAV) for the determination of inorganic arsenic coupled with hydride generation atomic absorption spectrometry (HG-AAS), 8th International Conference on Instrumental Methods of Analysis. Modern Trends and Applications, Thessaloniki, Greece. Oral Presentation

Conferences Organization

1. Member of the Organization Committee of the 12th International Conference on Flow Analysis. 23-28/9/2012, Thessaloniki, Greece.
2. Member of the Reviewing Committee of the Anatolia College Science and Technology Annual Conference, 2011-2014, Thessaloniki, Greece, organization recognized by IUPAC and UNESCO.

Professional Affiliations

Association of Greek Chemists, 2011-Present

Hellenic Society for Archaeometry, 2011-Present

Contact information

Natasa Kalogiouri

Office: 4th floor, Wing E

Phone: 210 7274902

Postal Address: Panepistimioupoli Zografou, Postal Code:15771, Athens, Greece

Email: kalogiourin@chem.uoa.gr