



# □ Boinis Nikolaos

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## Education

**B.Sc. in Chemistry (2011-2022)**, University of Patras

**M.Sc. in Analytical Chemistry & Quality Assurance (2022-present)**, National and Kapodistrian University of Athens

## Research Topics

**Undergraduate Thesis:** “Determination of organic environmental pollutants in organisms from lower trophic levels by Gas Chromatography coupled with High Resolution Mass Spectrometric techniques”.

**Master Thesis:** “In-Depth Investigation of Organic Micropollutant Burden in the Dnieper River Basin Using HRMS-Based Workflows”.

## Research Interests

### General research interests:

- Sample preparation techniques (Accelerated Solvent Extraction, Solid Phase Extraction, QuEChERS)
- Reversed Phase-Liquid Chromatography (RP-LC)
- Gas Chromatography (GC)
- High Resolution Mass Spectrometry (HRMS)
- Environmental Chemistry (monitoring of priority and emerging pollutants in environmental samples)
- Organic Pollutants, Environmental Analysis

### Projects:

- 2021-2022: “**HELCOM pre-EMPT project**”, collaboration with Baltic Marine Environment Protection Commission (Helsinki Commission – HELCOM)

- 2022: Participation in research conducted in collaboration with the Landesanstalt für Umwelt, Messungen und Naturschutz Baden-Württemberg (**LUBW**)
- 2022-present: Wide - scope target analysis of contaminants of emerging concern and their transformation products in environmental samples from Israel (collaboration with The Hebrew University of Jerusalem, **HUJI**)
- 2023-present: “DnieperII”, Wide - scope target analysis of organic contaminants in surface water and sediments from the Dnieper River basin in Ukraine

### Conference Presentations

- Boinis N., Diamanti K.S., Panagopoulou E. I., Gkotsis G., Maragou N., Nika M.C., Vasilatos K., Höpker K., Schäfer H., Wiczorek M., Osteraurer R., Thomaidis N.S., “Unveiling the occurrence of organic micropollutants in different species of terrestrial mesocarnivores utilizing HRMS techniques”, 18th International Conference on Environmental Science and Technology, 2023, Athens, Greece (poster & flash video presentation)

### Contact information

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