

# Yale SCHOOL OF PUBLIC HEALTH

## *Environmental Health Sciences*

SPECIAL SEMINAR

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### Exploring the Chemical Universe of Environmental Samples through Holistic Analytical HRMS Methodologies and Advanced Chemometric Tools



**Nikolaos S. Thomaidis, PhD**

Professor of Analytical Chemistry

Department of Chemistry

National and Kapodistrian University of Athens, Greece

Dr. Thomaidis' research interests include hyphenated techniques based on Mass Spectrometry (MS) detection, high resolution MS screening workflows for the identification of knowns and unknowns in environmental, clinical and food samples, analytical chemistry of emerging organic contaminants, QSPR modelling and chemometrics, speciation of elements in the environment and food, and estimation of dietary exposure in residues (Environmental Risk Assessment). Dr. Thomaidis has served as a project leader and principal partner on multiple research projects, including the enhancement of the research detecting new mutations of **SARS-CoV 2** in wastewater, the development of an Intelligent System of **Epidemiological Surveillance and Environmental Health Monitoring** based on wastewater epidemiology, the systematic use of contaminant data from **apex predators** and their prey in chemicals management, the Innovative Methodological Tools for Traceability, Certification and Authenticity Control of **Olive Oil and Olives**, the Research and Innovation Strategy for the **CIVIS Alliance**, the **3D Printed Wearable Sensors** Based on Metal-Organic Constructions for Electrochemical Determination of Sweat Glucose, the specialized monitoring of **emerging pollutants in drains** from the Landfill of Greece, and many others. Dr. Thomaidis received his PhD in Chemistry from the Department of Chemistry at the University of Athens, Greece in 1996.

12-1 p.m. EST. Wednesday, May 18, 2022

LEPH 103, 60 College Street

Zoom link: <https://yale.zoom.us/j/91872520971>

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