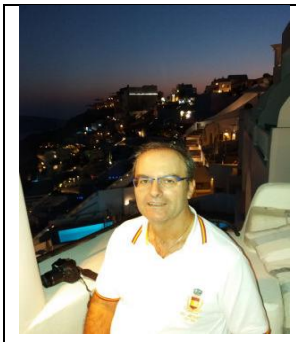

Contact

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Dr. Konstantinos V. Kakavas – Associate Professor of Environmental chemistry and human health

Education

Ph.D. in Human Biochemistry, University of Thessaly, Greece

B.Sc. in Chemistry, Aristotelian University of Thessaloniki, Greece

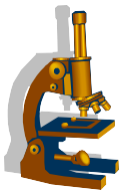
Specialization in Oenology, Aristotelian University of Thessaloniki, Greece

Research experience, Organic chemistry, Osaka Japan

Associate Professor (full faculty member) at University of Thessaly, Greece

Research Field of Interest

1. Environmental and analytical Chemistry
2. Public health
3. Environmental pollution and monitoring
4. Microbiological contamination
5. Biotechnology and microbiology
6. Chromatographic techniques (HPLC and GC)
7. Essential oils



Teaching

1. **Undergraduate:**

Introductory Chemistry, Environmental chemistry, Water quality and processing, Environmental safety and hygiene, Modern methods for environmental science, Biochemistry

2. **Graduate:**

- Environmental Chemistry and human health
- Environmental pollution
- Separation Methods - Gas Chromatography mass spectrometry
- Quality Assurance in Analytical Laboratories and Accreditation

3. **Doctoral studies**

Papers

1. M. Lampronikou, **K. Kakavas**. Microbiological Contamination of River Deltas in Similar Areas Worldwide With a Focus on the Pineios Delta in Greece. **Air, Soil and Water Research** 18, 1-8 (2025) link

2. M. Vlachou, **K. Kakavas**, D Birbilis, M Chavenetidou Dendrochronology and genetic diversity through climate change: A critical review of sweet chestnut. **E3S** Web of Conferences 585, 03002 (2024) link

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11. **Konstantinos V. Kakavas** Quality characteristics of Quercus Macedonica, Castanea sativa Mill. vs Quercus Alba in order to produce an innovative balsamic vinegar product. **Carpathian Journal of food science and technology** 2020 12(4), 91-97. link.

10. Marina Chavenetidou, Dimitris Birbilis and **Konstantinos V Kakavas**. Environmental effects on Chestnut wood (Castanea sativa Mill.) treated with different surface coatings. 2019 the **6th International Conference on Mechanical Engineering. Materials Science and Civil Engineering**. April 2019 (Scopus Indexed). Materials Science and Civil Engineering 2019

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of Greek Stump Chestnut (Castanea sativa Mill.). **Natural Products Chemistry & Research**.2018, 6:4 DOI: 10.4172/2329-6836.1000331. link

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