


Full name	
Efi Levizou	
Position title	
Associate Professor	
Field of study	
Plant Physiology	
Courses	<p><i>Undergraduate studies</i></p> <ul style="list-style-type: none">• Plant Physiology• Plant Stress Physiology <p><i>Postgraduate studies</i></p> <p>MSc program “Technology and management of Greenhouse and greenhouse cultivated crops”, Department of Agriculture Crop Production and Rural Environment, University of Thessaly</p> <ul style="list-style-type: none">• Functional responses and adaptations of plants under protected cultivation <p>MSc program Host-microbe interactions</p> <ul style="list-style-type: none">• Contribution to the Plant-microbe interactions module
Research	<p>Research interests</p> <ul style="list-style-type: none">• Alternative crop nutrition systems in the context of circular economy, and their effects on plant’s functional characteristics:<ul style="list-style-type: none">🌱 Aquaponics🐛 Insect frass as bio-fertilizer• Effects of abiotic stress factors on plant physiology and production, focusing on:<ul style="list-style-type: none">🌱 increased concentration of microorganism toxins in irrigation water🌱 increased heavy metals concentration in soil
STUDIES	
1994: B.Sc. in Biology, Department of Biology, University of Patras, Greece	
1994-1995: Post-graduate courses in “Environmental Biology – Terrestrial and marine ecosystems management”, Department of Biology, University of Patras, Greece	
2000: Ph.D in Biology, Department of Biology, University of Patras, Greece	
SCHOLARSHIPS	
1997-1999: Eugenidis Foundation’s Scholarship for postgraduate studies	

2003-2004: State Foundation's Scholarship for Post-doctoral research

RESEARCH AND PROFESSIONAL EXPERIENCE

2022-now: Associate Professor, Department of Agriculture Crop Production and Rural Environment (ACPRE), University of Thessaly, Greece

2017-2022: Assistant Professor at ACPRE

2012-2017: Lecturer at ACPRE

2003-2010: Adjunct Lecturer, Department of Biological Applications and Technology of the University of Ioannina and Researcher in the Laboratory of Botany of the same Department

2003-2009: Postgraduate teaching, Biology Department, University of Patras, Greece

1999: Systems Ecology Department, Vrije Universiteit of Amsterdam, the Netherlands

PUBLICATIONS

- >63 Publications in Peer-reviewed Journals (January 2025)
- > 2000 citations (self-citations or citations from co-authors excluded)
- *h index*: 21 (January 2025)
- <90 presentations in International and Hellenic conferences (January 2025)

RESEARCH PROJECTS

Participation in 20 international and national research projects, in 5 of them as PI.

FIVE INDICATIVE PUBLICATIONS

1) Exploring the Potential of Biostimulants to Optimize Lettuce Cultivation in Coupled and Decoupled Aquaponics Systems: Growth Performance, Functional Characteristics and Metabolomic Analysis (2024)

Chandrou, E., Faliagka, S., Mourantian, A., ... Katsoulas, N., Levizou, E.

Horticulturae, 2024, 10(5), 514 (IF=3.1)

2) Insect Frass as a Novel Organic Soil Fertilizer for the Cultivation of Spinach (*Spinacia oleracea*): Effects on Soil Properties, Plant Physiological Parameters, and Nutrient Status (2023)

Antoniadis, V., Molla, A., Grammenou, A., ... Rumbos, C.I., Levizou, E.

Journal of Soil Science and Plant Nutrition, 23(4), pp. 5935–5944 (IF=3.4)

3) Basil functional and growth responses when cultivated via different aquaponic and hydroponics systems (2023)

Mourantian A., Aslanidou M., Mente E., Katsoulas N., Levizou E.

Peerj 11, e15664 (IF: 2.7).

4) Cultivating the Mediterranean Wild Edible Species *Cichorium spinosum* L. in Aquaponics: Functional and Growth Responses to Minimal Nutrient Supplementation (2023)

Tsoumalakou, E., Mente, E., Vlahos, N., Levizou, E.

Sustainability **2023**, 15, 5572, (IF: 3.9).

5) Hazardous enrichment of toxic elements in soils and olives in the urban zone of Lavrio, Greece, a legacy, millennia-old silver/lead mining area and related health risk assessment

Antoniadis, V., Thalassinou, G., Levizou, E., Shaheen, S.M., Rinklebe, J.

Journal of Hazardous Materials, 2022, 434, 128906 (IF: 10.59)

