

Curriculum Vitae

Eirini Aivazidou, Ph.D., M.Sc., M.Eng.

Assistant Professor

Department of Industrial Engineering and Management, International Hellenic University, Sindos Campus,
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Employment

- 04/2022-today **Assistant Professor** (tenure track) in *Engineering Economics and Management*, Department of Industrial Engineering and Management, International Hellenic University, Greece
- 03/2020-02/2022 **Postdoctoral Researcher** in *Digital Agriculture*, Institute for Bio-Economy and Agri-Technology, Centre for Research and Technology – Hellas, Thessaloniki, Greece
- 03/2020-09/2021 **Adjunct Lecturer**, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece
- 02/2018-02/2021 **Postdoctoral Researcher** in *Circular Economy*, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece
- 06/2018-12/2019 **Research Fellow** in *System Dynamics*, Department of Computer Science and Engineering, Alma Mater Studiorum – University of Bologna, Italy
- 10/2013-06/2018 **Teaching Assistant**, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece
- 02/2014-05/2018 **Research Assistant/Associate** in *Supply Chain Management*, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece

Education

- 2013-2017 **Ph.D.** in *Supply Chain Water Footprint Management*, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece (Distinction)
- 2014-2015 **M.Sc.** in *Transportation Engineering*, Department of Civil Engineering, Aristotle University of Thessaloniki, Greece (8.68/10, Distinction)
- 2008-2013 **Diploma** in *Mechanical Engineering*, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece (9.06/10, Distinction)

Journal Publications

1. **Aivazidou, E.** (2022), "Water Management in Agriculture and Industry: Challenges, Trends, and Opportunities", *Sustainability*, Vol. 14, No. 1, pp. 66. DOI: [10.3390/su14010066](https://doi.org/10.3390/su14010066)

2. **Aivazidou, E.**, Baniyas, G., Lampridi, M., Vasileiadis, G., Anagnostis, A., Papagergiou, E., Bochtis, D. (2021), "Smart Technologies for Sustainable Water Management: An Urban Analysis", Sustainability, Vol. 13, No. 24, pp. 13940. DOI: [10.3390/su132413940](https://doi.org/10.3390/su132413940)
3. Cunico, G., **Aivazidou, E.**, Mollona E. (2021), "Beyond financial proxies in Cohesion Policy inputs' monitoring: A system dynamics approach", Evaluation and Program Planning, Vol. 89, pp. 101964. DOI: [10.1016/j.evalprogplan.2021.101964](https://doi.org/10.1016/j.evalprogplan.2021.101964)
4. Tagarakis, A., Benos, L., **Aivazidou, E.**, Anagnostis, A., Kateris, D., Bochtis, D. (2021), "Wearable Sensors for Identifying Activity Signatures in Human-Robot Collaborative Agricultural Environments", Engineering Proceedings, Vol. 9, No. 1, pp. 5. DOI: [10.3390/engproc2021009005](https://doi.org/10.3390/engproc2021009005)
5. **Aivazidou, E.**, Politis, I. (2021), "Transfer Function Models for Forecasting Maritime Passenger Traffic in Greece under an Economic Crisis Environment", Transportation Letters: The International Journal of Transportation Research, Vol. 13, No. 8, pp. 591-607. DOI: [10.1080/19427867.2020.1744224](https://doi.org/10.1080/19427867.2020.1744224)
6. **Aivazidou, E.**, Tsolakis, N. (2021), "Investigating dynamic interconnections between organic farming adoption and freshwater sustainability", Journal of Environmental Management, Vol. 294, pp. 112896. DOI: [10.1016/j.jenvman.2021.112896](https://doi.org/10.1016/j.jenvman.2021.112896)
7. Cunico, G., **Aivazidou, E.**, Mollona E. (2021), "System Dynamics Gamification: A Proposal for Shared Principles", Systems Research and Behavioral Science, In press. DOI: [10.1002/sres.2805](https://doi.org/10.1002/sres.2805)
8. Cunico, G., **Aivazidou, E.**, Mollona, E. (2021), "Building a dynamic theory of citizens' awareness of European Cohesion Policy interventions", European Journal of Operational Research, Vol. 289, No. 2, pp. 758-773. DOI: [10.1016/j.ejor.2020.07.017](https://doi.org/10.1016/j.ejor.2020.07.017)
9. Rodias, E., **Aivazidou, E.**, Achillas, C., Aidonis, D., Bochtis, D. (2021), "Water-Energy-Nutrients Synergies in the Agrifood Sector: A Circular Economy Framework", Energies, Vol. 14, No. 1, pp. 159. DOI: [10.3390/en14010159](https://doi.org/10.3390/en14010159)
10. **Aivazidou, E.**, Cunico, G., Mollona, E. (2020), "Beyond the EU Structural Funds' Absorption Rate: How Do Regions Really Perform?", Economies, Vol. 8, No. 3, pp. 55. DOI: [10.3390/economies8030055](https://doi.org/10.3390/economies8030055)
11. Cunico, G., **Aivazidou, E.**, Mollona, E. (2020), "European Cohesion Policy performance and citizens' awareness: A holistic System Dynamics framework", Investigaciones Regionales – Journal of Regional Research, Vol. 46, pp. 131-162. DOI: [10.38191/iirr-jorr.20.007](https://doi.org/10.38191/iirr-jorr.20.007)
12. **Aivazidou, E.**, Tsolakis, N. (2020), "A Water Footprint Review of Italian Wine: Drivers, Barriers, and Practices for Sustainable Stewardship", Water, Vol. 12, No. 2, pp. 369. DOI: [10.3390/w12020369](https://doi.org/10.3390/w12020369)
13. Tsolakis, N., **Aivazidou, E.**, Srai, J.S. (2019), "Sensor Applications in Agrifood Systems: Current Trends and Opportunities for Water Stewardship", Climate, Vol. 7, No. 3, pp. 44. DOI: [10.3390/cli7030044](https://doi.org/10.3390/cli7030044)
14. **Aivazidou, E.**, Tsolakis, N., Vlachos, D., Iakovou, E. (2018), "A water footprint management framework for supply chains under green market behaviour", Journal of Cleaner Production, Vol. 197, pp. 592-606. DOI: [10.1016/j.jclepro.2018.06.171](https://doi.org/10.1016/j.jclepro.2018.06.171)
15. Vlachos, D., **Aivazidou, E.** (2018), "Water Footprint in Supply Chain Management: An Introduction", Sustainability, Vol. 10, No. 6, pp. 2045. DOI: [10.3390/su10062045](https://doi.org/10.3390/su10062045)

16. Tsolakis, N., Srari, J.S., **Aivazidou, E.** (2018), "Blue Water Footprint Management in a UK Poultry Supply Chain under Environmental Regulatory Constraints", *Sustainability*, Vol. 10, No. 3, pp. 625. DOI: [10.3390/su10030625](https://doi.org/10.3390/su10030625)
17. **Aivazidou, E.**, Tsolakis, N. (2017), "Assessing the Water Footprint of Pets: the Case of Small Breed Dogs", *Chemical Engineering Transactions*, Vol. 57, pp. 517-522. DOI: [10.3303/CET1757087](https://doi.org/10.3303/CET1757087)
18. **Aivazidou, E.**, Tsolakis, N., Iakovou, E., Vlachos, D. (2016), "The emerging role of water footprint in supply chain management: A critical literature synthesis and a hierarchical decision-making framework", *Journal of Cleaner Production*, Vol. 137, pp. 1018-1037. DOI: [10.1016/j.jclepro.2016.07.210](https://doi.org/10.1016/j.jclepro.2016.07.210)
19. **Aivazidou, E.**, Tsolakis, N., Vlachos, D., Iakovou, E. (2015), "Water Footprint Management Policies for Agrifood Supply Chains: A Critical Taxonomy and a System Dynamics Modelling Approach", *Chemical Engineering Transactions*, Vol. 43, pp. 115-120. DOI: [10.3303/CET1543020](https://doi.org/10.3303/CET1543020)
20. **Aivazidou, E.**, Iakovou, E., Vlachos, D., Keramydas, C. (2013), "A Methodological Framework for Supply Chain Carbon Footprint Management", *Chemical Engineering Transactions*, Vol. 35, pp. 313-318. DOI: [10.3303/CET1335052](https://doi.org/10.3303/CET1335052)

Awards

- Ph.D. Fellowship (2014-2017), Public Benefit Foundation Alexander S. Onassis
- Honorary Award for excellent undergraduate studies' performance (2017), Technical Chamber of Greece
- Scholarship for excellent undergraduate studies' performance (2014), Aristotle University of Thessaloniki
- National Scholarship & Award for excellent undergraduate studies' performance (2009-2010), State Scholarships Foundation of Greece

Memberships

- Technical Chamber of Greece (Registration No.: 135064)
- Association of Mechanical-Electrical Engineers of Northern Greece
- Greek Association of Supply Chain Management
- Hellenic Institute of Transportation Engineers
- Aristotle University of Thessaloniki Alumni Association
- Onassis Scholars' Association
- System Dynamics Italian Chapter

Languages

- Greek (mother tongue)
- English (C2)
- Italian (C1)
- German (B1)