

## **Dr Eirini Aivazidou**

*Dipl. Mechanical Engineer – M.Sc. Transport Engineer*

*Ph.D. in Supply Chain Water Footprint Management*

*Postdoctoral Researcher*

Laboratory of Statistics and Quantitative Analysis Methods, Industrial Management Division,  
Mechanical Engineering Department, Aristotle University of Thessaloniki, P.O. Box 461,  
Thessaloniki 54124, Greece, e-mail: [aveirini@auth.gr](mailto:aveirini@auth.gr)

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### **Short CV**

Dr Eirini Aivazidou is a Postdoctoral Researcher at the Laboratory of Statistics and Qualitative Analysis Methods of the Industrial Management Division of the Mechanical Engineering Department of the Aristotle University of Thessaloniki (AUTH), Greece. She has received her Ph.D. in Supply Chain Water Footprint Management from the Mechanical Engineering Department of AUTH in 2017, while her doctoral research was funded by the Public Benefit Foundation “Alexander S. Onassis”. She has also obtained a M.Sc. in Transport Engineering from the Civil Engineering Department of AUTH in 2015 and a Diploma in Mechanical Engineering from AUTH in 2013. Notably, she has graduated with “Distinction” at all three levels of her academic studies. Dr Aivazidou’s scientific interests indicatively cover the fields of Water Resources’ Management, Sustainable Supply Chains, Agrifood Systems, Operations Research, System Dynamics and Decision-making Process. She has published her research work in many national and international conference proceedings, in acknowledged peer-reviewed scientific journals (e.g. Journal of Cleaner Production) and as chapters in scientific books, while she has participated in several national and European research projects (e.g. GREEN-AgriChains). She also acts as a reviewer and a special issue editor in scientific journals. In addition, Dr Aivazidou has served as a teaching assistant in the undergraduate courses “Operations Research I”, “Inventory Management and Products’ Distribution”, Supply Chain Management” and “Simulation” at the Mechanical Engineering Department of AUTH. She is also a member of several associations, such as the Technical Chamber of Greece, the Association of Mechanical-Electrical Engineers of Northern Greece, the Hellenic Institute of Transportation Engineers, the Greek Association of Supply Chain Management, the AUTH Alumni Association and the Onassis Scholars’ Association.

### **Selected Academic Publications**

#### Peer-reviewed Journals

- Tsolakis, N., Srai, J.S., **Aivazidou, E.** (2018), Water footprint management in a UK poultry supply chain under environmental regulatory constraints, *Sustainability* (Under review).
- **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* (Under review).
- **Aivazidou, E.**, Tsolakis, N. (2017), Assessing the water footprint of pets: The case of small breed dogs, *Chemical Engineering Transactions* 57, 517-522.
- **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* 137, 1018-1037.
- **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* 43, 115-120.
- **Aivazidou, E.**, Iakovou, E., Vlachos, D., Keramydas, C. (2013), A Methodological Framework for Supply Chain Carbon Footprint Management, *Chemical Engineering Transactions* 35, 313-318.

### Scientific Books (Chapters)

- **Aivazidou, E.**, Tsolakis, N., Vlachos, D., Iakovou, E. (2017), Water Footprint Mitigation Strategies for Agrifood Products: The Application of System Dynamics in Green Marketing, Kavoura, A., Sakas, D.P., Tomaras, P. (Eds.), *Springer Proceedings in Business and Economics: Strategic Innovative Marketing*, Ch.35, 275-281, Springer International Publishing, Gham, Switzerland.
- **Aivazidou, E.**, Keramydas, C., Toka, A., Vlachos, D., Iakovou, E. (2015), A Two-phase Carbon Footprint Management Framework: A Case Study on the Rockwool Supply Chain, Muthu, S.S. (Ed.), *The Carbon Footprint Handbook*, Ch. 21, 471-484, CRC Press, Boca Raton FL, USA.
- Toka, A., **Aivazidou, E.**, Antoniou, A., Arvanitopoulos-Darginis, K. (2013), Cloud Computing in Supply Chain Management: An Overview, Graham, D., Manikas, I., Folinias, D. (Eds.), *E-Logistics and E-Supply Chain Management: Applications for Evolving Business*, Ch. 12, 218-231, IGI Global, Hershey PA, USA.

### Conference Proceedings

- **Aivazidou, E.**, Vlachos, D. (2017), Sustainable supply chain network design with water footprint consideration: A strategic optimisation model, *6<sup>th</sup> International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference*, 25<sup>th</sup>-30<sup>th</sup> June 2017, Thessaloniki, Greece, 897-911.
- Tsolakis, N., **Aivazidou, E.**, Vlachos, D. (2015), Water Footprint Assessment in Agrifood and Biofuel Supply Chains: A Critical Literature Synthesis, *3<sup>rd</sup> Olympus International Conference on Supply Chains (3rd Olympus ICSC)*, 7<sup>th</sup>-8<sup>th</sup> November 2015, Athens, Greece, 196-205.
- Tsolakis, N., **Aivazidou, E.**, Vlachos, D., Iakovou, E. (2015), Water Footprint and Sustainable Agrifood Supply Chains: a System Dynamics Methodology, *27<sup>th</sup> Conference on Operational Research (EURO 2015)*, 12<sup>th</sup>-15<sup>th</sup> July 2015, Glasgow, United Kingdom.
- Tziantopoulos, K., **Aivazidou, E.**, Iakovou, E., Vlachos, D. (2015), A Critical Taxonomy on Supply Chain Disruption Risks: Focus on Agrifood Supply Networks, *1<sup>st</sup> International Conference on Agrifood Supply Chain Management and Green Logistics*, 27<sup>th</sup>-30<sup>th</sup> May 2015, Halkidiki, Greece, 81-90.
- **Aivazidou, E.**, Toka, A., Iakovou, E., Vlachos, D. (2014), Assessing the Carbon Footprint of the Rockwool Supply Chain: A Real-world Case Study, *5<sup>th</sup> International Conference on Manufacturing Engineering (5th ICMEN)*, 1<sup>st</sup>-3<sup>rd</sup> October 2014, Thessaloniki, Greece, pp. 197-206.
- **Aivazidou, E.**, Tsolakis, N., Iakovou, E. (2014), A System Dynamics Framework for Water Footprint Management in Agrifood Supply Chains, *9<sup>th</sup> South East European Doctoral Student Conference (DSC 2014)*, 25<sup>th</sup>-26<sup>th</sup> September 2014, Thessaloniki, Greece, pp. 45-58.
- **Aivazidou, E.**, Antoniou, A., Arvanitopoulos-Darginis, K., Toka, A. (2012), Using Cloud Computing in Supply Chain Management: Third-Party Logistics on the Cloud, *2<sup>nd</sup> International Conference on Supply Chains (2nd Olympus ICSC)*, 5<sup>th</sup>-6<sup>th</sup> October 2012, Katerini, Greece.