

Assistant Professor, PhD'22 University of Thessaly

Supply Chain Management and Logistics

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Office Hours: By appointment

Short CV - Research Interests

Michalis Deligiannis is an Assistant Professor of Supply Chain Management and Logistics in the Department of Mechanical Engineering at the University of Thessaly.

He holds a BSc in Mathematics and an MSc in Statistics and Modeling from the Department of Mathematics at Aristotle University of Thessaloniki. In 2022, he completed his PhD in Production and Operations Management in the Department of Mechanical Engineering at the University of Thessaly.

His academic and research appointments have included a research position at Eindhoven University of Technology (TU/e) in the Netherlands, research associate and postdoctoral positions at the University of Thessaly, and a postdoctoral research position at Luiss Guido Carli University in Rome.

His research interests lie in decision-making in supply chain and operations management. He studies inventory management, sourcing and supplier selection, dual sourcing, pricing, and capacity management, with particular emphasis on settings where firms learn about uncertain demand or supply conditions over time.

Methodologically, his work draws primarily on stochastic modeling, dynamic programming, game theory, and Bayesian learning.

His work has appeared in the European Journal of Operational Research, International Journal of Production Economics, Omega, and International Journal of Production Research.

Studies

- 2018–2022** PhD in Production and Operations Management, Department of Mechanical Engineering, University of Thessaly, Volos, Greece.
- 2013–2016** MSc in Statistics and Modeling, Department of Mathematics, Aristotle University of Thessaloniki, Thessaloniki, Greece.
- 2009–2013** BSc in Mathematics, Department of Mathematics, Aristotle University of Thessaloniki, Thessaloniki, Greece.

Teaching

Undergraduate Courses

- OP0600 - Stochastic Models in Operations Research
- OP0902 - Production Planning & Scheduling

Postgraduate Courses

- [Forecasting & Inventory Management](#)

He has also contributed to the teaching of courses in Operations Research, stochastic models, production planning, and applied probability at the University of Thessaly and Eindhoven University of Technology.

Recent Publications

- Deligiannis M, Benioudakis M, Liberopoulos G, Burnetas A (2024). "Optimal pricing and capacity management in service systems with delay-sensitive mixed-risk customers". *International Journal of Production Research*, 62(21), 7877–7903.
- Deligiannis M, Liberopoulos G, Pandelis DG (2023). "Managing supply chain risks with dual sourcing: Bayesian learning of censored supply capacity". *International Journal of Production Economics*, 265, 109002.
- Deligiannis M, Liberopoulos G, Benioudakis M (2023). "Dynamic supplier competition and cooperation for buyer loyalty on service". *International Journal of Production Economics*, 255, 108706.
- Deligiannis M, Liberopoulos G (2023). "Dynamic ordering and buyer selection policies when service affects future demand". *Omega*, 118, 102873.
- Liberopoulos G, Deligiannis M (2022). "Optimal supplier inventory control policies when buyer purchase incidence is driven by past service". *European Journal of Operational Research*, 300(3), 917–936.