

Curriculum Vitae

Dimitrios M. Vlachos, Ph.D.

Professor

Department of Mechanical Engineering, Aristotle University of
Thessaloniki

Director, Laboratory of Statistics and Quantitative Methods

Aristotle University of Thessaloniki

Office Address: Aristotle University of Thessaloniki
Department of Mechanical Engineering
Division of Industrial Management
P.O. Box 461
54124 Thessaloniki, Greece

e-mail: vlachos1@auth.gr

web-site: <http://lascm.meng.auth.gr/>

Office Telephone: +30-2310-995969

Office Fax: +30-2310-996018

December 2018

TABLE OF CONTENTS

1	PERSONAL INFORMATION	1
2	EDUCATION.....	1
3	PROFESSIONAL ACTIVITY	1
4	TEACHING	2
4.1	<i>University Programs</i>	<i>2</i>
4.2	<i>Teaching Assistant.....</i>	<i>3</i>
4.3	<i>Participation in Ph.D. Supervisory Committees.....</i>	<i>3</i>
4.4	<i>Supervision of Postdoc Researchers</i>	<i>4</i>
4.5	<i>Supervision of Undergraduate and Master Theses</i>	<i>5</i>
4.6	<i>Teaching in Life-long Learning Programs.....</i>	<i>5</i>
5	RESEARCH ACTIVITY.....	5
5.1	<i>Monographs and Books</i>	<i>5</i>
5.2	<i>Publications in Peer-reviewed Journals and Collective Volumes.....</i>	<i>5</i>
5.3	<i>Publications in Peer-Reviewed Conference Proceedings.....</i>	<i>8</i>
5.4	<i>Announcements at Conferences.....</i>	<i>21</i>
5.5	<i>Funded Research Projects</i>	<i>23</i>
6	OTHER SCIENTIFIC ACTIVITIES	26
6.1	<i>Referee in International Journals</i>	<i>26</i>
6.2	<i>Participation in Conference Organizing Committees</i>	<i>27</i>
6.3	<i>Participation in Committees and Working Groups</i>	<i>28</i>
6.4	<i>Participation in Scientific Studies</i>	<i>28</i>
6.5	<i>Membership in Professional Organizations</i>	<i>29</i>

1 PERSONAL INFORMATION

Surname: Vlachos
Name: Dimitrios
Current Academic Rank: Professor
Primary Department: Mechanical Engineering, Aristotle University of Thessaloniki

2 EDUCATION

- Secondary education:

1983: Baccalaureate with honors from the Zosimaia School of Ioannina

- Higher education:

1983-88: Diploma in Electrical Engineering with distinction, Aristotle University of Thessaloniki, ranking: 1st in class.

1989-92: Diploma in Mechanical Engineering with distinction, Aristotle University of Thessaloniki, ranking: 1st in class.

1999: Ph.D., Department of Mechanical Engineering of Aristotle University of Thessaloniki, grade "excellent".

- Other studies:

1993: degree in Pedagogy, School of Technology Teachers, PA.TE.S - S.E.L.E.T.E.

3 PROFESSIONAL ACTIVITY

2017 - Professor of "Stochastic Methods in Industrial Management and Inventory Management", Department of Mechanical Engineering, Engineering School, Aristotle University of Thessaloniki.

2012 - 2017 Associate Professor, Department of Mechanical Engineering, Engineering School, Aristotle University of Thessaloniki.

2014 - 2017 Director, Industrial Management Division, Department of Mechanical Engineering, Engineering School, Aristotle University of Thessaloniki.

2014 - 2015 Deputy Chairman, Department of Mechanical Engineering, Engineering School, Aristotle University of Thessaloniki.

2014- 2015 Deputy Member of the Senate of Aristotle University (participated in eight meetings).

2006-2012 Assistant Professor (with tenure since 2010), Industrial Management Division, Department of Mechanical Engineering, Engineering School, Aristotle University of Thessaloniki.

2002-2006 Lecturer, Industrial Management Division, Department of Mechanical Engineering, Engineering School, Aristotle University of Thessaloniki.

2000 Postdoctoral researcher, Erasmus University Rotterdam, Econometric Institute, The Netherlands, Inventory management and reverse logistics chains (Reverse Logistics).

1992-2002 Researcher in Industrial Management Division, Department of Mechanical Engineering, Aristotle University of Thessaloniki, research areas: supply chain and inventory management, business valuation, feasibility studies, and project management.

4 TEACHING

4.1 University Programs

(a) Undergraduate level

Aristotle University of Thessaloniki (Department Of Mechanical Engineering)

- **Project Management** - Mandatory in specialization "Industrial Management" (1999-2018, 19 semesters).
- **Reliability & Maintenance** - Mandatory in specialization "Industrial Management" (2000-18, 18 semesters); the course is offered to undergraduate students of *the Department of Chemical Engineering*.
- **Simulation** - Elective in specialization "Industrial Management" (2002-18, 16 semesters).
- **Production Operation Management** - Mandatory in the direction "Industrial Management" (2004-18, 14 semesters); the course is offered to undergraduate students of the *Department of Electrical and Computer Engineering*.
- **Lab in Forecasting Techniques** - Mandatory (2008-18, 10 semesters).
- **Inventory Management** - Elective (2002-03, 1 semester).
- **Operational Research I** – Mandatory (2016-18, 2 semesters).
- **Statistics** - Mandatory (2009-10 and 2014-15, 2 semesters).

University Of Western Macedonia (Department of Mechanical Engineering)

- **Statistics** - Mandatory (2000-02, 2 semesters).

(b) Postgraduate level

Aristotle University of Thessaloniki

- **Optimization and Simulation**, Master Program in *Management of Production Systems* (2000-02, 2 semesters).
- **Statistics and Stochastic Processes**, Master Program in *Management of Production Systems* (2000-02, 2 semesters).
- **Production and Maintenance Planning**, Master Program in *Management of Production Systems* (2000-01).
- **Project Management**, Master program in *Management of Production Systems* (2000-03, 2 semesters).
- **Introduction in Organization and Management**, Master Program in *Museology and Cultural Management* (2006-07, 2008-09, 2010-11, 2014-16, 5 semesters).
- **Optimization of Freight Transport Networks**, Master Program in *Planning, Organization and Management of Transport Systems* (2011-18, 7 semesters).

University Of Macedonia

- **Project Management**, Master Program in *Business Administration-General MBA* (2006-13, 2014-16, 9 semesters).

- **Project Management**, Master Program in Business Administration-General Executive MBA (2006-18, 11 semesters).
- **Operations Management**, Master Program in Business Administration-Executive MBA (2017-18, 1 semester).

Hellenic International University (lectures in English)

- **Project management**, Executive MBA Program (2010-13, 3 semesters).
- **Project management**, Master Program in Strategic Product Design (2012-14, 2 semesters).
- **Project management**, Master Program in Management (2012-14, 2 semesters).

Technological Educational Institute of Central Macedonia

- **Optimization in Decision Making**, Master Program in Business Administration, Serres (2010-14, 4 semesters).
- **Introduction in Logistics Operations Management**, Master Program in Logistics, Katerini (2014-18, 4 semesters).

4.2 Teaching Assistant

- Applied Statistics in Mechanical Engineering Department (7 semesters) and in Chemical Engineering Department (6 semesters), Aristotle University of Thessaloniki.
- Production Operations Management I (2 semesters) in Mechanical, Electrical and Chemical Engineering Departments, Aristotle University of Thessaloniki.
- Production Operations Management II (5 semesters) in Mechanical, Electrical and Chemical Engineering Departments, Aristotle University of Thessaloniki.
- Reliability and Maintenance in Mechanical Engineering Department (8 semesters), Aristotle University of Thessaloniki.
- Operational Research in Mechanical Engineering Department (5 semesters), Aristotle University of Thessaloniki.
- Investment Appraisal in Mechanical Engineering Department (1 semester, Aristotle University of Thessaloniki).

Alongside teaching exercises, I had the responsibility of preparing, and marking teaching assignments.

4.3 Participation in Ph.D. Supervisory Committees

a) Chairman of the Committee

- Dr. Ioannis Mallidis, Optimization of Green Supply Chains, Aristotle University of Thessaloniki, June 2013.
- Dr. Konstantinos Papapanagiotou, A Holistic Methodological Framework for Supply Chain Risk Management, Aristotle University of Thessaloniki, February 2014.
- Dr. Eirini Aivazidou, Holistic Decision-Making Framework Systems for Water Footprint management in Supply Chains, Aristotle University of Thessaloniki, October 2017.
- Dr. Dimitrios Bechtsis, Methodological Framework for Management and Optimization of Autonomous Vehicles in Supply Chains employing Industrial Informatics tools, Aristotle University of Thessaloniki, February 2018.

b) Member of the Committee

- Dr. Anastasios Xanthopoulos, Optimization of Strategic Design, Production Planning and Operation of Reverse Supply Chains, Aristotle University of Thessaloniki, January 2008.
- Dr. Dimitrios Aidonis, Applications of Operations Research Techniques for the Optimal Design and Operations of Reverse Supply Chain Management for Construction Materials, Aristotle University of Thessaloniki, July 2009.
- Dr. Maria Chatzipanagioti, The Effect of International Trade and Sustainability on the Strategic Design of International Supply Chains, Aristotle University of Thessaloniki, November 2010.
- Dr. Agorasti Toka, Decision-making models for the design and management of supply chains for the energetic utilization of biomass, Aristotle University of Thessaloniki, July 2013.
- Dr. Christos Keramydas, Quantitative Methods in Supply Chain Management of Substitute Products and Services, Aristotle University of Thessaloniki, July 2013.
- Dr. Naoum Tsolakis, Planning and Management of Sustainable Supply Chains in the Agrifood Sector, Aristotle University of Thessaloniki, March 2015.
- Dr. Alexandra Politou, Implementation of the Theory of Constraints in Production Planning and Control: Analysis with System Dynamics Techniques, Aristotle University of Thessaloniki, July 2015.
- Dr. Christos Karkanias, Development and Implementation of Decision-Making Tool for Urban Solid Waste Management in the Framework of Zero Waste Management, Aristotle University of Thessaloniki, October 2017.
- Daniel Partsch, Risk Management for Globalized Supply Chains, Aristotle University of Thessaloniki, in progress.
- Ioannis Siamas, Evaluation and Strategic Design of a National Logistics System, Aristotle University of Thessaloniki, in progress.
- Konstantinos Grinias, Strategic Design of Ports as part of Global Supply Chains, Aristotle University of Thessaloniki, in progress.
- Konstantinos Tziantopoulos, The Effect of Energy Policies on Supply Chain Management, Aristotle University of Thessaloniki, in progress.
- Loukia - Anastasia Grigoriadou, Supply Chain Management of Agricultural and Fresh Products, Aristotle University of Thessaloniki, in progress.
- Dimitrios Tsiolias, Supply Chain Risk Management, Aristotle University of Thessaloniki, in progress.
- Volha Yakavenka, National Transport and Logistics system: the case of Belarus, Aristotle University of Thessaloniki, in progress.

4.4 Supervision of Postdoc Researchers

I had the supervision with Prof. Eleftherios Iakovou of the following Post-doc Researchers:

- Konstantinos Papapanagiotou
- Ioannis Mallidis
- Foivos Anastasiadis
- Christos Keramydas
- Naoum Tsolaokis
- Agorasti Toka

4.5 Supervision of Undergraduate and Master Theses

From the academic year 1992-93 until today, I have supervised more than 150 undergraduate and 25 master theses at the Department of Mechanical Engineering, Aristotle University of Thessaloniki, the University of Macedonia, and the Hellenic International University.

4.6 Teaching in Life-long Learning Programs

From 1992 until today I have instructed numerous life-long learning programs for university graduates (mostly professional engineers and graduates in economics schools) as well as business executives. These seminars were organized in several cities in northern Greece from various organizations and training centers of the private and public sector including Technical Chamber of Greece, Hellenic Operational Research Society, Hellenic Management Association, Greek Exporters Association, the Education and Training Center of the Aristotle University of Thessaloniki, Chambers of Serres, Drama and Kavala, municipalities and companies such as Vodafone Hellas, KRI-KRI SA, etc.

5 RESEARCH ACTIVITY

5.1 Monographs and Books

- Development of communication protocol for microcontroller networks, Diploma Thesis, Department of Electrical Engineering Aristotle University of Thessaloniki, Supervisor: Prof. V. Petridis, 1988.
- Software development for calculating reliability parameters using Markov processes, Diploma Thesis, Department of Mechanical Engineering Aristotle University of Thessaloniki, Supervisor: Prof. D.P. Psoinos, 1992.
- Integrated methodological framework for the assessment of enterprises, Ph.D. Thesis, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Supervisor: Prof. D.P. Psoinos.
- Iakovou E., Bochtis D., Vlachos D., Aidonis D., Supply Chain Management for Sustainable Food Networks, Publisher: Wiley, 2016.

5.2 Publications in Peer-reviewed Journals and Collective Volumes

The following publications have been reviewed by at least two referees and a member of the Editorial Committee of the respective scientific journals or collective volumes of research papers.

1. Tagaras G., **Vlachos D.**, A Periodic Review Inventory System with Emergency Replenishments, *Management Science*, 47(3), 415-429, 2001.
2. Teunter R., **Vlachos D.**, An Inventory System with Periodic Regular Review and Flexible Emergency Review, *IIE Transactions*, 33(8), 625-635, 2001.
3. **Vlachos D.**, Tagaras G., An Inventory System with Two Supply Modes and Capacity Constraints, *International Journal of Production Economics*, 72(1), 41-58, 2001.
4. Teunter R., **Vlachos D.**, On the Necessity of a Disposal Option for Returned Items that can be Remanufactured, *International Journal of Production Economics*, 75(3), 257-266, 2002.

5. Tagaras G., **Vlachos D.**, Effectiveness of Stock Transshipment under Various Demand Distributions and Non-negligible Transshipment Times, *Production Operations Management*, 11(2), 183-198, 2002.
6. Georgiadis P., **Vlachos D.**, Politou A., Reengineering of a Small Assembly-to-order Manufacturer: A Case Study, *International Journal of Operations and Quantitative Management*, 8(1), 21-35, 2002.
7. **Vlachos D.**, Dekker R., Return Handling Options and Order Quantities for Single Period Products, *European Journal of Operational Research*, 151(1), 38-52, 2003.
8. **Vlachos D.**, Toliyas Y., Neuro-Fuzzy Modeling in Bankruptcy Prediction, *Yugoslav Journal of Operations Research*, 13(2), 165-174, 2003.
9. Georgiadis P., **Vlachos D.**, Analysis of the Dynamic Impact of Environmental Policies on Reverse Logistics, *Operational Research: an International Journal*, 3(2), 123-135, 2003.
10. Georgiadis P., **Vlachos D.**, The Effect of Environmental Parameters on Product Recovery, *European Journal of Operational Research*, 157, 449-464, 2004.
11. Teunter R., van der Laan E., **Vlachos D.**, Inventory Strategies for Systems with Fast Remanufacturing, *Journal of the Operational Research Society*, 55, 475-484, 2004.
12. Van der Laan E., Kiesmüller G., Kuik R., **Vlachos D.**, Dekker R., Stochastic Inventory Control for Product Recovery, in *Reverse Logistics*, by R. Dekker, M. Fleischmann, K. Interfurth and L. Van Wassenhove (eds.), Springer-Verlag, 181-220, 2004.
13. Georgiadis P., **Vlachos D.**, Tagaras, G., Long-term Analysis of Closed-loop Supply Chains, in *Reverse Logistics*, by R. Dekker, M. Fleischmann, K. Interfurth and L. Van Wassenhove (eds.), Springer-Verlag, 313-331, 2004.
14. Georgiadis P., **Vlachos D.**, Decision Making in Reverse Logistics Using System Dynamics, *Yugoslav Journal of Operations Research*, 14(2), 259-272, 2004.
15. Georgiadis P., **Vlachos D.**, Iakovou E., A System Dynamics Modeling Framework for the Strategic Supply Chain Management of Food Chains, *Journal of Food Engineering*, 70(3), 351-364, 2005.
16. Georgiadis P., Besiou M., **Vlachos D.**, Iakovou E., A Comprehensive Methodological Framework for Sustainable Supply Chains, *IASME Transactions*, 2(4), 569-574, 2005.
17. Georgiadis P., Iakovou E., **Vlachos D.**, Besiou M., A System Dynamics Approach of Ecological Motivation in Sustainable Supply Chains, *Transactions on Systems*, 1(5), 48-55, 2006.
18. Georgiadis P., **Vlachos D.**, Tagaras G., The Impact of Product Lifecycle on Capacity Planning of Closed-Loop Supply Chains, *Production Operations Management*, 15(4), 514-527, 2006.
19. Chatzipanagioti M., Theodori V., **Vlachos D.** VMI modeling in global and electronic markets, *International Journal of Logistics Systems and Management*, 3(3), 271-287, 2007.
20. **Vlachos D.**, Georgiadis P., Iakovou, E., A System Dynamics model for Dynamic Capacity Planning of Remanufacturing in Closed-loop Supply Chains, *Computers & Operations Research*, 34(2), 367-394, 2007.

21. Iakovou E., **Vlachos D.**, Xanthopoulos A., An analytical methodological framework for the optimal design of resilient supply chains, *International Journal of Logistics Economics and Globalisation*, 1(1), 1-20, 2007.
22. Iakovou E., Georgiadis P., **Vlachos D.**, A comprehensive methodological framework for improving security and efficiency of port container logistics, *International Journal of Logistics Economics and Globalisation*, 1(2), 176-189, 2008.
23. Aidonis D., Xanthopoulos A., **Vlachos D.**, Iakovou, E., An Analytical Methodological Framework for Managing Reverse Supply Chains in the Construction Industry, *Transactions on Environment and Development*, 4(11), 1036-1046, 2008.
24. Tsitsamis D., **Vlachos D.**, Iakovou E., Douligeris C., A Hierarchical Taxonomy of Decision-Making Models for Container Terminal Operations, *International Journal of Logistics Economics and Globalisation*, 1(3/4), 365-382, 2008.
25. Iakovou E., **Vlachos D.**, Aidonis, D., A Strategic Methodological Framework for the Development of Gastronomic Tourism: A Greek Region's Experience, *International Journal of Innovation and Regional Development*, 1(3), 301-318, 2009.
26. Papapanagiotou K., Angelis E., **Vlachos D.**, Decision making in Supply Chains using Simulation: A Methodological Approach, *MIBES Transactions*, 3(1), 85-95, 2009.
27. Xanthopoulos A., Aidonis D., **Vlachos D.**, Iakovou, E., Reverse Logistics Processes of Multi-Type End-of-Life Buildings/Construction Sites: An Integrated Optimization Framework, *Transactions on Environment and Development*, 5(3), 250-259, 2009.
28. Iakovou E., **Vlachos D.**, Xanthopoulos A., Risk and Security Management for Logistics Service Providers: Trends, Challenges and Opportunities, in: Wagner, S.M., Bode, C., (eds.), *Managing Risk and Security: The Safeguard of Long-Term Success for Logistics Service Providers*. Haupt Publishers, Berne, Switzerland, 59-81, 2009.
29. Iakovou E., **Vlachos D.**, Xanthopoulos A., A Stochastic Inventory Management Model For a Dual-Sourcing Supply Chain with Disruptions, *International Journal of Systems Science*, 41(3), 315-324, 2010.
30. Iakovou E., Karagiannidis A., **Vlachos D.**, Toka A. and Malamakis A., 2010, Waste biomass-to-energy supply chain management: a critical synthesis, *Waste Management*, 30(10), 1860-1870, 2010.
31. Iakovou E., **Vlachos D.**, Toka A., Waste Biomass Supply Chains for Energy Production: A Hierarchical Decision-Making Framework, in: Haghi, A.K., (ed.), *Waste Management: Research Advances to Convert Waste to Wealth*, Series: Waste and Waste Management, Nova Science (USA), 2010.
32. Mallidis I., Dekker R., Iakovou E., **Vlachos D.**, Tsitsamis D., Yard management for improving the efficiency of a Container Terminal, *MIBES Transactions*, 4(1), 72-79, 2010.
33. **Vlachos D.**, Quantitative Risk Management Models for Newsvendor Supply Chains, in: Minis I., Zeimpekis V., Dounias G., Ampazis N., *Supply Chain Optimization, Design, and Management: Advances and Intelligent Methods*, IGI Global, 2011.
34. Xanthopoulos A., **Vlachos D.**, Iakovou E. Optimal Sourcing Decisions for Unreliable Reverse Supply Chains, *Asia-Pacific Journal of Operational Research*, 28(1), 125-146, 2011.

35. Chatzipanagioti M., Iakovou E., **Vlachos D.**, Hajidimitriou Y.A., Trade Facilitation and Supply Chain Network Design, *Operations and Supply Chain Management: An International Journal*, (4)2-3, 99-107, 2011.
36. Xanthopoulos A., **Vlachos D.**, Iakovou E., Optimal Newsvendor Policies for Dual-Sourcing Supply Chains: A Disruption Risk-Management Framework, *Computers & Operations Research*, 39(2), 350-357, 2011.
37. **Vlachos D.**, Iakovou E., Keramydas C., Anagnostopoulos A., On the estimation of the necessary inventory for hellenic public cord blood banks using simulation, *Operational Research: An International Journal*, 12(1), 57-68, 2012.
38. Moussiopoulos N., Karagiannidis A., Papadopoulos A., Achillas C., Antonopoulos I., Perkoulidis G., **Vlachos D.**, Vlachokostas C., Transportation Cost Analysis of the Hellenic System for Alternative Management of Waste Electric and Electronic Equipment, *International Journal of Environment and Waste Management*, 10(1), 2012.
39. Xanthopoulos A., Aidonis D., **Vlachos D.**, Iakovou E., A Planning Optimization Framework for Construction and Demolition Waste Management, *International Journal of Industrial and Systems Engineering*, 10(3), 257-276, 2012.
40. Iakovou E., **Vlachos D.**, Toka A., A Methodological Framework for Integrating Waste Biomass into a Portfolio of Thermal Energy Production Systems, in: Karagiannidis, A., (ed.), *Waste-to-energy. Opportunities and Challenges for Developing and Transition Economies*, Green Energy and Technology, Springer Verlag, 59-82, 2012.
41. **Vlachos D.**, Iakovou E., Papapanagiotou K., and Partsch D., Building robust supply chains by reducing vulnerability and improving resilience, *International Journal of Agile Systems and Management*, 5(1), 59-81, 2012.
42. Papapanagiotou K., **Vlachos D.**, Managing Supply Chain Disruption Risks: A Game-theoretical Approach, *International Journal of Mathematics in Operational Research*, 4(5), 515-530, 2012.
43. Mallidis I., Dekker R., **Vlachos D.**, The impact of greening on supply chain design and cost: a case for a developing region, *Journal of Transport Geography*, 22, 118-128, 2012. <https://doi.org/10.1016/j.jtrangeo.2011.12.007>.
44. Toka A., Iakovou E., **Vlachos D.**, Waste Biomass Supply Chains for Thermal Energy Production, in: Karagiannidis A. and Malamakis A. (eds.), *Energy recovery from waste and waste biomass: Current trends and challenges in the context of integrated resource management*, Laboratory of Heat Transfer and Environmental Engineering, Aristotle University of Thessaloniki, 2012.
45. Iakovou E., **Vlachos D.**, Toka A., Integrating Waste Biomass into Thermal Energy Production Systems: A Strategic Methodological Framework, *Civil Engineering and Environmental Systems*, 29(4), 255-272, 2012. <https://doi.org/10.1080/10286608.2012.710610>.
46. Toka A., Iakovou E., **Vlachos D.**, Grigoriadou L., Design of Biomass Diffusion Policies in the Residential Heating Sector: A Strategic System Dynamics Framework, Book chapter, special publication of the Department of Mechanical Engineering, Aristotle University of Thessaloniki in memory of Professor Nikolaos Kiriakis, 201-212, 2013.

47. Aivazidou E., Iakovou E., **Vlachos D.**, Keramydas C., A Methodological Framework for Supply Chain Carbon Footprint Management, *Chemical Engineering Transactions*, 35, 313-318, 2013. <https://doi.org/10.3303/CET1335052>.
48. Mallidis I., **Vlachos D.**, Iakovou E., A Decision Support Model for Capturing the Impact of Energy Savings and Pollution Legislation on Supply Chain Network Design, *Chemical Engineering Transactions*, 35, 325-330, 2013. <https://doi.org/10.3303/CET1335054>.
49. Iakovou E., **Vlachos D.**, Achillas C., Anastasiadis F., Design of sustainable supply chains for the agrifood sector: A holistic research framework, *Agric Eng Int: CIGR Journal*, Special Issue 2014: Agrifood and Biomass Supply Chains, 1-10, 2014.
50. Toka A., Iakovou E., **Vlachos D.**, Tsolakis N., Grigoriadou A.-L., Managing the diffusion of biomass in the residential energy sector: An illustrative real-world case study, *Applied Energy*, 129, 56-69, 2014. <https://doi.org/10.1016/j.apenergy.2014.04.078>.
51. Iakovou E., **Vlachos D.**, Keramydas C., Partch D., Dual Sourcing for Mitigating Humanitarian Supply Chain Disruptions, *Journal of Humanitarian Logistics and Supply Chain Management*, 4(2), 245-264, 2014. <https://doi.org/10.1108/JHLSCM-03-2013-0008>.
52. Keramydas C., Tsolakis N., **Vlachos D.**, Iakovou E., A System Dynamics Approach towards Food Security in Agrifood Supply Networks: A Critical Taxonomy of Modern Challenges in a Sustainability Context. *MIBES Transactions*, 8, 68-83, 2014.
53. Mallidis I., **Vlachos D.**, Iakovou E., Dekker R., Design and Planning for Green Global Supply Chains under Periodic Review Replenishment Policies, *Transportation Research Part E: Logistics and Transportation Review*, 72C, 210-235, 2014. <https://doi.org/10.1016/j.tre.2014.10.008>
54. Grinias K., Iakovou E., **Vlachos D.**, Gkikas A., Tsoukos G, Bizakis A., The Strategic Role of Port Community Systems for enhancing Business Operations and Productivity: The Case of the Port Authority of Igoumenitsa, in Stylios C., Floqi T., Marinski J., Damiani L. (Eds.) *Sustainable Development of Sea-Corridors and Coastal Waters, The TEN ECOPORT project in South East Europe*, Springer, 2014. ISBN 978-3-319-11385-2.
55. Keramydas C., Tsiolias D., **Vlachos D.**, Iakovou E., A Simulation Methodology for Evaluating Emergency Sourcing Strategies of a Discrete Part Manufacturer. *International Journal of Data Analysis Techniques and Strategies*, 7(2), 141-155, 2015. <https://doi.org/10.1504/IJDATS.2015.068747>
56. Iakovou E., **Vlachos D.**, Keramydas C., Tsiolias D., Evaluation of Emergency Sourcing Risk Mitigation Strategies for a Discrete Part Manufacturer, *International Journal of Advanced Logistics*, 4(1), 37-46, 2015.
57. Aivazidou E., Keramydas C., Toka A., **Vlachos D.**, Iakovou E., A Two-phase Carbon Footprint Management Framework: A Case Study on the Rockwool Supply Chain in: Muthu, S. (Ed.), *The Carbon Footprint Handbook*. London: Taylor and Francis Group, CRC Press, Ch. 21, 471-484, 2015. ISBN 978-1-482-26222-3.
58. Aivazidou E., Tsolakis N., **Vlachos D.**, Iakovou E., Water Footprint Management Policies for Agrifood Supply Chains: A Critical Taxonomy and a System Dynamics Modelling Approach, *Chemical Engineering Transactions*, 43, 115-120, 2015. <https://doi.org/10.3303/CET1543020>.

59. Iakovou E., **Vlachos D.**, Chatzipanagioti M., Design for Globalized Green Supply Chain Networks with Nearshored Production, in: Vlachos I., Malindretos G. (eds.), *Markets, Business and Sustainability*, Bentham Books, 185-203, 2015.
60. Toka A., Iakovou E., **Vlachos D.**, Manure and Municipal Sewage Biomass Supply Chains in: Holm-Nielsen J.B., Ehimen E.A. (eds.), *Biomass supply chains for bioenergy and biorefining*, Woodhead Publishing, Elsevier, 357-384, <https://doi.org/10.1016/B978-1-78242-366-9.00016-2>
61. Iakovou E., Bochtis D., **Vlachos D.**, Aidonis D., Sustainable Agri-food Supply Chain Management, in: Iakovou E., Bochtis D., Vlachos D., Aidonis D. (Eds.), *Supply Chain Management for Sustainable Food Networks*, Wiley, 1-40, 2016. ISBN: 978-1-118-93075-5
62. Keramydas C., Papapanagiotou K., **Vlachos D.**, Iakovou E., *Risk Management for Agri-food Chains*, in: Iakovou E., Bochtis D., Vlachos D., Aidonis D. (Eds.), *Supply Chain Management for Sustainable Food Networks*, Wiley, 255-292, 2016. ISBN: 978-1-118-93075-5
63. Tsiolias D., Keramydas C., Iakovou E., **Vlachos D.**, A Critical Synthesis of Supply Chain Risk Mitigation Strategies, *MIBES Transactions*, 10 (1), 116-130, 2016.
64. Aivazidou E., Tsolakis N., Iakovou E., **Vlachos D.**, 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, 2016. <https://doi.org/10.1016/j.jclepro.2016.07.210>.
65. Yakavenka V., Mallidis I., Siamas I., **Vlachos D.**, Iakovou E. A Decision Support System for Cold Supply Chain Network Design, *MIBES Transactions*, 10(2), 162-171, 2016.
66. Tziantopoulos K., **Vlachos D.**, Iakovou E., Additive Manufacturing: a Decision Support System for Spare Parts Inventory Management, *MIBES Transactions*, 10(2), 154-161, 2016.
67. Vouzas M., Bechtsis D., **Vlachos D.**, Simulation-based optimization of AGV systems in industry, *Astrolavos*, 25, 19-37, 2016.
68. Aivazidou E., Tsolakis N., **Vlachos D.**, Iakovou E., Water Footprint Mitigation Strategies for Agrifood Products: The Application of System Dynamics in Green Marketing. In: A. Kavoura, D.P. Sakas, P. Tomaras (Eds.), *Springer Proceedings in Business and Economics: Strategic Innovative Marketing*, Springer International Publishing, Gham, 275-281, 2017. ISBN 978-3-319-33865-1
69. Keramydas C., Mallidis I., Dekker R., **Vlachos D.**, Iakovou, E, Cost and Environmental Trade-offs in Supply Chain Network Design and Planning: The Merit of a Simulation-based Approach. *Journal of Simulation*, 11(1), 20-29, 2017. <https://doi.org/10.1057/s41273-016-0031-z>
70. Bechtsis D., Tsolakis N., **Vlachos D.**, Iakovou E., Sustainable supply chain management in the digitalisation era: The impact of Automated Guided Vehicles, *Journal of Cleaner Production*, 142(4), 3970–3984, 2017. <https://doi.org/10.1016/j.jclepro.2016.10.057>
71. Bechtsis D., Tsolakis N., Vouzas M., **Vlachos D.**, Industry 4.0: Sustainable material handling processes in industrial environments, *Computer Aided Chemical Engineering*, 40, 2281-2286, 2017. <https://doi.org/10.1016/B978-0-444-63965-3.50382-2>

72. Mallidis I., Iakovou E., Dekker R., **Vlachos D.**, The Impact of Slow Steaming on the Carriers' and Shippers' Costs: The Case of a Global Logistics Network, *Transportation Research Part E: Logistics and Transportation Review*, 111, 18-39, 2018. <https://doi.org/10.1016/j.tre.2017.12.008>
73. Aivazidou E., **Vlachos D.**, Water Footprint in Supply Chain Management: An Introduction, *Sustainability*, 10, 2045, 2018. <https://doi.org/10.3390/su10062045>
74. Bechtsis D., Tsolakis N., **Vlachos D.**, Srari J.S., Intelligent Autonomous Vehicles in digital supply chains: A framework for integrating innovations towards sustainable value networks, 181, 60-71, 2018. <https://doi.org/10.1016/j.jclepro.2018.01.173>
75. Aivazidou E., Tsolakis N., **Vlachos D.**, Iakovou E., A water footprint management framework for supply chains under green market behaviour, *Journal of Cleaner Production*, 197(1), 592-606, 2018. <https://doi.org/10.1016/j.jclepro.2018.06.171>
76. Mallidis I., **Vlachos D.**, Yakavenka V., Zafeiriou, E., Development of a Single Period Inventory Planning Model for Perishable Product Redistribution, *Annals of Operations Research*, 2018. <https://doi.org/10.1007/s10479-018-2948-2>.
77. **Vlachos D.**, Aivazidou E., Water Footprint in Supply Chain Management: An Introduction, *Sustainability*, 10(6), 2045 2018. <https://doi.org/10.3390/su10062045>
78. Mallidis I., Despoudi S., **Vlachos D.**, Dekker R., Iakovou E., The Impact of Sulphur Limit fuel Regulations on Maritime Supply Chain Network Design Decisions, *Annals of Operations Research*, 2018. <https://doi.org/10.1007/s10479-018-2999-4>.
79. Tziantopoulos K., Tsolakis N., **Vlachos D.**, Tsironis L., Supply chain reconfiguration opportunities arising from Additive Manufacturing technologies in the digital era, *Production Planning and Control*, Accepted for Publication, 2018.
80. Poulimenos D, Bechtsis D., **Vlachos D.**, Iakovou E., A software tool for optimizing intra-logistic activities, *Computer Aided Chemical Engineering*, 43, pp. 439-444, 2018. <https://doi.org/10.1016/B978-0-444-64235-6.50079-6>
81. Yakavenka V., Mallidis I., **Vlachos D.**, Iakovou E. Development of A Multi-Objective Optimization Model for Sustainable Supply Chain of Perishable Goods (working paper).

5.3 Publications in Peer-Reviewed Conference Proceedings

1. **Vlachos D.**, Tagaras G., Pooling in Multi-location Periodic (R, nQ) Distribution Systems, European Management in face of Knowledge Driven Competition, TMR program, Porto, September 18-21 1996.
2. **Vlachos D.**, Tagaras G., Emergency Ordering in Periodic Review Inventory Systems, Conference in Inventory Modeling in Production and Supply Chain, International Society for Inventory Research (ISIR), Ioannina, 271-287, August 25-29 1997.
3. *Georgiadis P., **Vlachos D.**, Demand and Capacity Balancing in Front Office Operations: A Case Study in an Organization of Public Utility, 4th Balkan Conference on Operational Research, Thessaloniki, 931-945, October 20-23 1997.
4. *Georgiadis P., Politou A., **Vlachos D.**, Organization of Services Provided by Municipalities: Implementation in a Municipality of Wider Thessaloniki (in Greek), 12th National Conference of Operational Research, Samos, 945-956, September 6-8, 1998.

5. **Vlachos D.**, Tagaras G., Improved Design and Operation of Supply Chains (in Greek), 13th National Conference of Operational Research, Piraeus, November 30 - December 2, 2000.
6. *Reilly B., **Vlachos D.**, Tagaras G., A Web-based Innovative Approach for Teaching Reverse Logistics, 17th International Logistics Congress, Thessaloniki, 401-409, October 18-20 2001.
7. Georgiadis P., **Vlachos D.**, Michopoulos A., Dynamic Analysis of the Impact of Environmental Policies on Reverse Supply Chains, 14th National Conference of Operational Research, Xanthi, November 1-3, 2001.
8. *Georgiadis P., **Vlachos D.**, Karatsis I., Reverse Logistics Modeling: A New Approach, Using System Dynamics, 6th Balkan Conference on Operational Research, Thessaloniki, May 22-25, 2002.
9. *Georgiadis P., **Vlachos D.**, Politou A., Production Planning in Make-to-Order Environment: A Hybrid Model Approach, 6th Balkan Conference on Operational Research, Thessaloniki, May 22-25, 2002.
10. ***Vlachos D.**, Tolia Y., Neuro-Fuzzy Modeling in Bankruptcy Prediction, 6th Balkan Conference on Operational Research, Thessaloniki, May 22-25, 2002.
11. *Kinias I., **Vlachos D.**, Models for Decision Making on Warranty Policies: A Review, 15th National Conference of Operational Research, Tripoli, November 30 - December 2, 2002.
12. *Psoinos A., **Vlachos D.**, Iakovou E., Vendor Managed Inventory via the Web: When E-business Meets Supply Chain Management, 6th SMESME International Conference, Athens, 539-554, June 1-3, 2003.
13. *Sarakakis G., **Vlachos D.**, Knowledge Management in Project Management, 16th National Conference of Operational Research, Larisa, 467-477, September 25-27, 2003.
14. *Kinias I., **Vlachos D.**, Project Management Software Systems: The Case of Greek Construction Industry, 3rd Scientific Conference on Project Management - Clustering in Construction Project Management, 377-388, Thessaloniki, September 24-25, 2004.
15. Iakovou E., **Vlachos D.**, Risk Management in Supply Chains: State-of-the-Art Organizational and Technological Challenges and Trends (in Greek), 8th Panhellenic Logistics Conference, Athens, November 26-27, 2004.
16. * Iakovou E., **Vlachos D.**, Risk Management in Supply Chains: State-of-the-Art Organizational and Technological Challenges and Trends (in Greek), 1st Panhellenic Conference of Mechanical Engineers, Panhellenic Association of Mechanical and Electrical Engineers, Athens, March 28-30, 2005.
17. *Georgiadis P., **Vlachos D.**, Michaloudis C., Risk Management Methodological Framework using System Dynamics, 17th National Conference of Operational Research, Patra, June 16-18, 2005.
18. * **Vlachos D.**, Chatzipanagioti M., Theodori V., Information Sharing Among Supply Chain Partners: Centralized vs. Decentralized Inventory Management, 3rd International Conference on Supply Chain Management and Information Systems - SCMIS2005, Thessaloniki, 21-30, July 6-8, 2005.

19. *Tsitsamis D. Iakovou E., **Vlachos D.**, Decision-Making in Container Terminal Operations: A Hierarchical and Comprehensive Framework, 3rd International Conference on Supply Chain Management and Information Systems - SCMIS2005, 452-462, Thessaloniki, July 6-8, 2005.
20. *Georgiadis P., Besiou M., **Vlachos D.**, Iakovou E., A Comprehensive Methodological Framework for Sustainable Supply Chains, 2005 IASME/WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development, Athens, July 12-14, 2005.
21. *Moussiopoulos N., Achillas H., Avramidis A., Boudouvas D., Giama E., Karagiannidis A., Papadopoulos A., Perkoulidis G., Sioris K. and **Vlachos D.**, Cost analysis of the management of electrical and electronic products at the end of their useful life, 9th Conference on Environmental Science and Technology (9CEST 2005), 1032-1037, Rhodes island, Greece, September 1-3, 2005.
22. *Iakovou E., **Vlachos D.**, Staiou E., Virtualization of Supply Chain Management: Trends and Challenges, 2nd International Conference on Manufacturing Engineering (ICMEN), 803-812, Chalkidiki, October 5-7, 2005.
23. *Iakovou E., **Vlachos D.**, Designing and Managing Resilient Supply Chains: Disruptions, Risk and Security, 2nd International Conference on Manufacturing Engineering (ICMEN), 823-832, Chalkidiki, October 5-7, 2005.
24. *Valaouris G., Mamantzis D., **Vlachos D.**, Efficient Algorithms for the Solution of the Trim Optimization Problem, 2nd International Conference on Manufacturing Engineering (ICMEN), 877-886, Chalkidiki, October 5-7, 2005.
25. *Iakovou E., **Vlachos D.**, Psoinos D., A Methodological Framework for Building Organizational Memory using Knowledge Management (in Greek), 1st Conference of Management Scientists, Management Science and Practice – Management and Society, 455-462, Athens, October 6-7, 2005.
26. *Georgiadis P., Iakovou E., **Vlachos D.**, Besiou M., Ecological Motivation and Sustainability for Reverse Logistics: A System Dynamics Modeling Approach, 2005 WSEAS International Conference on Environment, Ecosystems and Development, 243-248, Venice, November 2-4, 2005.
27. Iakovou E., **Vlachos D.**, Tsitsamis D., A Systemic Methodological Framework for Port Container Terminal Logistics, XV International Conference Transport 2005, 178-183, Sofia, November 10-11, 2005.
28. Moussiopoulos N., Achillas H., Avramidis A., Boudouvas D., Giama E., Karagiannidis A., Papadopoulos A., Perkoulidis G., Sioris K. and **Vlachos D.**, Cost analysis of the management of electrical and electronic products at the end of their useful life, XV International Conference Transport 2005, 174-189, Sofia, November 10-11, 2005.
29. **Vlachos D.**, Tsitsamis D., Iakovou E., Georgiadis P., A Methodological Framework for the Strategic Management of Port Container Terminals (in Greek), 9th Panellenic Logistics Conference, Thessaloniki, November 25-26, 2005.
30. *Xanthopoulos A., Iakovou E., **Vlachos D.**, Mixed Integer Linear Optimization Model for Reverse Distribution Channels, 18th National Conference of Operational Research, Kozani, June 15-17, 2006.

31. ***Vlachos D.**, Iakovou E., Toka A., Decision Making Methodological Framework for the Design and Operation of Biomass Supply Chains, 19th National Conference of Operational Research, Arta, June 21-23, 2007.
32. *Iakovou E., **Vlachos D.**, Samaras Z., Biomass Logistics for Bio-energy Production: A Methodological Framework, 1st CEMEPE Conference, Skiathos, June 24-28, 2007.
33. Iakovou E., Karagiannidis A., **Vlachos D.**, Samaras Z., Malamakis A., Logistics issues related to the collection and pre-treatment of organic substrates for energy production via thermal and biological processes, 10th Toulon-Verona Conference, Thessaloniki, September 3-5, 2007.
34. Tsitsamis D., Iakovou E., **Vlachos D.**, The Catalytic Role of Information Technologies in Managing Container Terminal Operations: the Case of the Port Authority of Thessaloniki, MARDCON 10, Alexandria, Egypt, November 3-4, 2007.
35. *Iakovou E., **Vlachos D.**, Xanthopoulos A., A Stochastic Inventory Management Model For a Dual-Sourcing Supply Chain with Disruptions, 5th International Conference on Supply Chain Management & Information Systems (SCMIS), Melbourne, Australia, December 9-12, 2007.
36. Aidonis D., Iakovou E., **Vlachos D.**, Reverse Flow Design for End-of-Life Construction Materials, 5th Management Science and Technology Student Conference, Athens, May 8, 2008.
37. Papapanagiotou K., Aggelis E., **Vlachos D.**, Performance Measurement of a Production and Distribution Network using Simulation, 5th Management Science and Technology Student Conference, Athens, May 8, 2008.
38. *Iakovou, E., **Vlachos, D.**, Sustainable Logistics and Green Supply Chains: A New Strategic Priority, 6th International Conference on Tribology (BalkanTrib), Sozopol, Bulgaria, June 12-14, 2008.
39. *Toka A., Iakovou E., Karagiannidis A., **Vlachos D.**, Design of Supply Chain Networks for Bio-lubricants' Production. 6th International Conference on Tribology (BalkanTrib), Sozopol, Bulgaria, June 12-14, 2008.
40. *Aidonis D., Iakovou E., **Vlachos D.**, Reverse flows optimization for construction and demolition waste, 6th International Conference on Tribology (BalkanTrib), Sozopol, Bulgaria, June 12-14, 2008.
41. *Papapanagiotou K., **Vlachos D.**, Decision making in Supply Chains using Simulation: A Methodological Approach, 3rd Annual South-East European Doctoral Student Conference (SEERC), Thessaloniki, June 26-27, 2008, 3-14.
42. *Toka A., Iakovou E., **Vlachos D.**, Design of Waste Biomass Supply Chains for Energy Production, 3rd Annual South-East European Doctoral Student Conference (SEERC), Thessaloniki, June 26-27, 2008.
43. *Aidonis D., Iakovou E., **Vlachos D.**, Design of Reverse Flows for Construction and Demolition Waste, 3rd Annual South-East European Doctoral Student Conference (SEERC), Thessaloniki, 81-88, June 26-27, 2008.
44. *Papapanagiotou K., Angelis E., **Vlachos D.**, Decision making in Supply Chains using Simulation: A Methodological Approach, Management of International Business and

- Economics Systems (MIBES) International Conference, Larissa, Greece, July 4-5, 2008, 296-306.
45. ***Vlachos D.**, Iakovou E., Karagiannidis A., Toka A., A Strategic Supply Chain Management Model for Waste Biomass Networks, 3rd International Conference on Manufacturing Engineering (ICMEN), Chalkidiki, Greece, October 1-3, 2008.
 46. *Seferlis P., **Vlachos D.**, Iakovou E., Xanthopoulos A., An Optimal Control Theory-Based Framework for Supply Chain Resilience, 3rd International Conference on Manufacturing Engineering (ICMEN), Kassandra, Chalkidiki, Greece, October 1-3, 2008.
 47. *Aidonis D., Xanthopoulos A., **Vlachos D.**, Iakovou E., On the optimal deconstruction and recovery processes of end-of-life buildings, Proceedings of the 2nd International Conference on Waste Management, Water Pollution, Air Pollution, and Indoor Climate (WWAI'08), Corfu, Greece, October 26-28, 2008, 211-216.
 48. *Aidonis D., Xanthopoulos A., **Vlachos D.**, Iakovou E., A Mixed-Integer Linear Programming Model for the Optimization of the Reverse Logistics Processes of End-of-Life Buildings, Proceedings of the 4th International Conference on Energy and Environment (EE'09), Cambridge, United Kingdom, February 24-26, 2009.
 49. ***Vlachos D.**, Iakovou E., Keramidas C., Ypsilantis P., Anagnostopoulos A., Capacity Planning for the Hellenic System of Cord Blood Banks Using Simulation, 21st National Conference of Operational Research, Athens, May 28-30, 2009.
 50. ***Vlachos D.**, Iakovou E., Toka A., A critical taxonomy of design and aggregate planning models for biomass supply chains, 2nd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE2009), Mykonos, Greece, June 21-26, 2009.
 51. *Toka A., Iakovou E., **Vlachos D.**, Modeling of Agricultural Waste Biomass Supply Chains for Energy Production, 4th MIBES (Management of International Business and Economics Systems) Conference 2009, Florina, Greece, September 18-20, 535-546, 2009.
 52. Toka A., Iakovou E., **Vlachos D.**, Management of Biomass Supply Chains for Energy Production (in Greek) , 3rd Conference of Environment Council, Aristotle University of Thessaloniki, Thessaloniki, 511-519, October 15-17, 2009.
 53. *Mallidis I., Dekker R., Iakovou E., **Vlachos D.**, Tsitsamis D., Yard management for improving the efficiency of a Container Terminal, 4th MIBES (Management of International Business and Economics Systems) Conference 2009, Florina, Greece, September 18-20, 2009.
 54. *Iakovou E., **Vlachos D.**, Chatzipanagioti M., Mallidis I., Nearshoring, Sustainability and Free Trade Facilitation for Global Logistics Networks, Sustainable Production and Logistics in Global Networks, 43rd CIRP International Conference on Manufacturing Systems, Vienna University of Technology, Austria, 26-28 Μαΐου 2010.
 55. *Iakovou E., **Vlachos D.**, Chatzipanagioti M., Mallidis I., A Comprehensive Optimization Framework for Sustainable Supply Chain Networks, 7th International Conference on Logistics and Sustainable Transport, Celje, Slovenia, June 24-26, 2010.
 56. ***Vlachos D.**, Sustainable Truck Operations Planning at a Container Terminal, 7th International conference on Logistics and Sustainable Transport, Celje, Slovenia, June 24-26, 2010.

57. *Keramydas C., **Vlachos D.**, Iakovou E., Design of the Hellenic Public Cord Blood Bank Network, MIBES 2010 Conference, Kavala, Greece, June 4-6, 2010.
58. *Toka A., Iakovou E., **Vlachos D.**, Biomass Supply Chain Management for Energy Polygeneration Systems, 1st Olympus International Conference on Supply Chains, Katerini, Greece, October, 1-2, 2010.
59. *Keramydas C., Iakovou E., **Vlachos D.**, Maintenance and Spare Parts Management: The case of Thessaloniki's Port Authority Container Terminal, 1st International Conference on Supply Chains, Katerini, Greece, October 1-2, 2010.
60. *Mallidis Y., **Vlachos D.**, A framework for Green Supply Chain Management, 1st International Conference on Supply Chains, Katerini, Greece, October 1-2, 2010.
61. *Tsitsamis D., **Vlachos D.**, Truck Operations Planning at a Container Terminal, 1st International Conference on Supply Chains, Katerini, Greece, October 1-2, 2010.
62. *Papapanagiotou C., **Vlachos D.**, Managing Supply Chain Risks: A Game Theoretical Approach, 1st International Conference on Supply Chains, Katerini, Greece, October 1-2, 2010.
63. Iakovou E., **Vlachos D.**, Tsolakis N., The Role of Supply Chain Management in Fostering Regional Development Throughout Southeastern Europe, 4th International Conference for Entrepreneurship, Innovation and Regional Development, Ohrid, FYROM, May 5-7, 2011.
64. Iakovou E., **Vlachos D.**, Chatzipanagioti M., Nearshoring and offshoring for global supply chain networks: a total landed cost perspective, CSCMP European Research Seminar, June 8, 2011.
65. *Iakovou E., **Vlachos D.**, Toka A., A Strategic Optimization Model for the Integration of Waste Biomass into Thermal Energy Systems, 3rd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE2011), Skiathos, Greece, June 19-24, 2011.
66. *Iakovou E., **Vlachos D.**, Chatzipanagioti M., A methodological framework for designing sustainable global supply chain networks, 4th International Conference on Manufacturing Engineering (ICMEN), Thessaloniki, October 3-5, 2011.
67. *Keramydas C., **Vlachos D.**, Iakovou E., The impact of various customer order fulfilling policies for a ceramic tiles manufacturer, 4th International Conference on Manufacturing Engineering (ICMEN), Thessaloniki, October 3-5, 2011.
68. Keramydas C., **Vlachos D.**, Iakovou E., Optimal Order Fulfillment Policies for a Ceramic Tiles Manufacturer", Operational Research Society: Simulation 6th Workshop 2012 (SW12), Worcestershire, England, March 27-28, 2012.
69. *Siamas I., Iakovou E., **Vlachos D.**, Strategic Mapping of a National Logistics & Supply Chain System: The Case of Greece, 2nd International Conference on Supply Chains (ICSC), Katerini, October 5-7, 2012.
70. *Partsch D., Keramydas C., **Vlachos D.**, Iakovou, E., A Simulation Based Risk Methodology for the Estimation of Cost-to-Recovery after a Supply Chain Disruption, 2nd International Conference on Supply Chains (ICSC), Katerini, October 5-7, 2012.

71. *Iakovou E., **Vlachos D.**, Achillas C., Anastasiadis F., A Methodological Framework for the Design of Green Supply Chains for the Agrifood Sector, 2nd International Conference on Supply Chains (ICSC), Katerini, October 5-7, 2012.
72. *Mallidis I., **Vlachos D.**, Iakovou E., Environmental Management Accounting and Supply Chain Management: An Up-to-date Critical Synthesis, 2nd International Conference on Supply Chains (ICSC), Katerini, October 5-7, 2012.
73. *Tsiolias D., Keramydas C., **Vlachos D.**, Partsch D., Iakovou E., A Simulation Methodology for Evaluating Dual Sourcing Strategies of a Discrete Part Manufacturer, 12th Special Conference of the HELORS, Kavala, October 11-13, 2012.
74. Toka A., Iakovou E., **Vlachos D.**, Grigoriadou A. L., Diffusion of biomass into thermal energy production systems: A system dynamics modelling framework. Commission Internationale de l'Organisation Scientifique du Travail en Agriculture (CIOSTA) XXXV, Billund, Denmark, July 3-5, 2013.
75. ***Vlachos D.**, Tsolakis N., Keramydas Ch., Iakovou E., Design of agrifood supply chains with dual sourcing and emergency replenishments. Commission Internationale de l'Organisation Scientifique du Travail en Agriculture (CIOSTA) XXXV, Billund, Denmark, July 3-5, 2013.
76. Anastasiadis F., Archontakis F., Baniyas G., Achillas Ch., Takolas K. and **Vlachos D.**, Wastewater usage in Agriculture: a consumer perspective. 133rd EAAE Seminar, Chania, Greece, June 15-16, 2013.
77. Keramydas C., Tsolakis N., **Vlachos D.**, Iakovou E., Revenue Management of Perishable Products with Dual Sourcing and Emergency Orders, 24th National Conference of Hellenic Operational Research Society, Athens, Greece, September 26-28, 2013.
78. Aivazidou E., Iakovou E., **Vlachos D.**, Keramydas C., A Methodological Framework for Supply Chain Carbon Footprint Management, 16th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES' 13), Rhodes, Greece, September 29- October 2, 2013.
79. Mallidis I., **Vlachos D.**, Iakovou C., A Decision Support Model for Capturing the Impact of Energy Savings and Pollution Legislation on Supply Chain Network Design, 16th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES' 13), Rhodes, Greece, September 29- October 2, 2013.
80. Tsolakis N., Anastasiadis F., Iakovou E. and **Vlachos D.**, Sustainable Supply Chain Management and Firm Financial Performance: A Methodological Framework for the Agrifood Sector. 2nd International Conference on Contemporary Marketing Issues (ICCM 2014), Athens, June 18-20, 2014.
81. Iakovou E., **Vlachos D.**, Mallidis I., Tactical Decision-Making for Reducing the Environmental Impact of Truck Operations in Port Container Terminals, CESAPO International Workshop of Thessaloniki, Greece, January 30-31, 34-39, 2014.
82. *Keramydas C., Tsolakis N., **Vlachos D.**, Iakovou E., Sustainable Food Security: A System Dynamics Decision-Making Methodology. 25th National Conference on Operational Research, Hellenic Operational Research Society, Volos, Greece, June 26-28, 2014.
83. *Keramydas C., Tsolakis N., **Vlachos D.**, and Iakovou E., A System Dynamics Approach Towards Food Security In Agrifood Supply Networks: A Critical Taxonomy of Modern

- Challenges In A Sustainability Context, MIBES 2014 International Conference, Thessaloniki, Greece, May 30 – June 1, 2014.
84. *Iakovou E., Mallidis I., **Vlachos D.**, A Methodological Framework for Green Logistics Networks under Periodic Review Replenishment Policies, 56th Conference of the Operational Research Society (ORS), Surrey, UK, 09-11 September, 2014.
 85. *Aivazidou E., Toka A., Iakovou E., **Vlachos D.**, Assessing the carbon footprint of the rockwool supply chain: a real-world case study, 5th International Conference on Manufacturing Engineering (ICMEN), Thessaloniki, Greece, October 1-3, 2014.
 86. *Yakavenka V., **Vlachos D.**, Iakovou E., Improving Logistics Performance of a Landlocked Country - The Case of The Republic of Belarus, 5th International Conference on Manufacturing Engineering (ICMEN), Thessaloniki, Greece, October 1-3, 2014.
 87. Iakovou E., **Vlachos D.**, Keramydas C. and Tsiolias D., Emergency Sourcing Risk Mitigation Strategies for a Discrete Part Manufacturer, 7th European Conference on Transport Logistics. Dortmund, Germany, November 5-7, 2014.
 88. *Aivazidou E., Tsolakis N., **Vlachos D.**, Iakovou E., Water Footprint Management Policies for Agrifood Supply Chains: A Critical Taxonomy and a System Dynamics Modelling Approach, 12th International Conference on Chemical and Process Engineering (ICheaP12), May 19-22, 2015, Milan, Italy.
 89. *Yakavenka V., Iakovou E., **Vlachos D.**, Cold Chain Management: Modern Trends and Challenges”, 1st International Conference on Agrifood Supply Chain Management & Green Logistics, Halkidiki, Greece, May 27-30, 2015.
 90. *Toka A., Iakovou E., **Vlachos D.**, A Strategic Methodological Framework on the Adoption of Innovative Biomass Technologies for Residential Heating, 1st International Conference on Agrifood SCM & Green Logistics, Halkidiki, Greece, May 27-30, 2015.
 91. *Mallidis I., Iakovou E., **Vlachos D.**, Dekker R., The Impact of Slow Steaming in the Design and Planning of Globalized Supply Chains, 1st International Conference on Agrifood SCM & Green Logistics, Halkidiki, Greece, May 27-30, 2015.
 92. *Tziantopoulos K., Aivazidou E., Iakovou E., **Vlachos D.**, A Critical Taxonomy on Supply Chain Disruption Risks: Focus on Agrifood Supply Networks, 1st International Conference on Agrifood SCM & Green Logistics, Halkidiki, Greece, May 27-30, 81-90, 2015.
 93. *Bechtsis D., Drakaki M., **Vlachos D.**, Using Agent-Based Modeling for the Design of Agrifood Supply Chains with Emergency Replenishments, 1st International Conference on Agrifood SCM & Green Logistics, Halkidiki, Greece, May 27-30, 2015.
 94. *Siamas I., Iakovou E., **Vlachos D.**, Boosting the Greek Economy to Development through Value Chain & Targeted Investments in Agriculture and Global Supply Chain Networks, 1st International Conference on Agrifood SCM & Green Logistics, Halkidiki, Greece, May 27-30, 2015.
 95. *Tsiolias D., Keramydas C., Iakovou E., **Vlachos D.**, Big Data and Agricultural Supply Chains: Opportunities for Increased Food Security, Hamburg International Conference of Logistics, Hamburg, September 24-25, 2015.
 96. *Keramydas C., Mallidis I., Vlachos D., Iakovou E., Cost and Environmental Trade-offs in Supply Chain Network Design and Planning: The Merit of a Simulation-based Approach,

- 16th ASIM Dedicated Conference, Simulation in Production and Logistics, Dortmund, Germany, 23-25 September, 2015.
97. Aivazidou E., Tsolakis N., **Vlachos D.**, Iakovou E., Water Footprint Mitigation Strategies for Agrifood Products: The Application of System Dynamics in Green Marketing, 4th International Conference on Strategic Innovative Marketing (IC-SIM), September 24-27, 2015, Mykonos, Greece.
 98. *Tsiolias D., Keramydas C., Iakovou E., **Vlachos D.**, An Up-to-date Critical Synthesis of Supply Chain Risk Mitigation Strategies, 3rd Olympus International Conference on Supply Chains, Athens, Greece, November 7-8, 2015.
 99. *Tsolakis N., Aivazidou E., **Vlachos D.**, Water Footprint Assessment in Agrifood and Biofuel Supply Chains: A Critical Literature Synthesis, 3rd Olympus International Conference on Supply Chains, Athens, Greece, November 7-8, 196-205, 2015.
 100. *Tziantopoulos K., Iakovou E., **Vlachos D.**, Additive Manufacturing: The Impact on Spare Parts Supply Chain, 3rd Olympus International Conference on Supply Chains, Athens, Greece, November 7-8, 2015.
 101. *Yakavenka V., Iakovou E., **Vlachos D.**, The Cold Supply Chain, Environmental Footprint and Energy: A Critical Taxonomy, 3rd Olympus International Conference on Supply Chains, Athens, Greece, November 7-8, 2015.
 102. Yakavenka V.A., Vlachos D., Sustainable Cold Supply Chain: A Critical Analysis of The Literature. In: International correspondence research/practice conference on Issues and Prospects Of Transport Complex Development. Minsk, Belarus, December-15, 2015.
 103. Vouzas M., Bechtsis D., Vlachos D., Simulation based optimization of systems with automated-guided industrial vehicles, Innovation and Modern Entrepreneurship forms, Student Management Science and Technology Conference, EEDE, Athens, May 12, 2016.
 104. Yakavenka V., Siamas I., **Vlachos D.**, Iakovou E. Strategic Design of Cold Supply Chain Networks, 5th International Symposium and 27th National Conference on Operational Research, Athens, Greece, June 9-11, 2016.
 105. Yakavenka V., Mallidis I., Siamas I., **Vlachos D.**, Iakovou E. A Decision Support System for Cold Supply Chain Network Design, 11th MIBES Conference Proceedings, Heraklion, Greece, June 22-24, 2016.
 106. Tziantopoulos K., **Vlachos D.**, Iakovou E., Additive Manufacturing: a Decision Support System for Spare Parts Inventory Management, 11th MIBES Conference Proceedings, Heraklion, Crete, Greece, June 22-24, 2016.
 107. Yakavenka, V., **Vlachos D.**, A Methodological Framework for Cold Supply Chain Network Design, 2nd International correspondence research/practice conference on Issues and Prospects Of Transport Complex Development, Minsk, Belarus, October 4-6, 2016.
 108. Karadimou C.C., Koletti A.E., Moschona A., **Vlachos D.**, Assimopoulou A.N, Biologically Active Compounds of Peach Kernels, 11th Panhellenic Conference of Chemical Engineering, May 25-28, Thessaloniki, 2017.
 109. Yakavenka V., Mallidis I., **Vlachos D.**, Iakovou E., A Decision-Making Framework for Sustainable Supply Chain Management of Perishable Goods, Proceedings of the 6th

- International Symposium and 28th National Conference on Operational Research, Hellenic Society of Operational Research, Thessaloniki, June 8-10, 2017.
110. Aivazidou E., **Vlachos D.**, Sustainable supply chain network design with water footprint consideration: A strategic optimization model, Proceedings of the 6th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference, Thessaloniki, June 25-30, 2017.
 111. Katikaridis D., Bechtsis D., Liakos K., **Vlachos D.**, Bochtis D., A Google-Maps® Based Software Tool for In-Field Logistics, 10th Panhellenic Conference of Agriculture Engineers (in Greek), September 28-29, Athens, 2017.
 112. Moisiadis V., Bechtsis D., Liakos K., **Vlachos D.**, Bochtis D., Development Of Virtual Interface For The Design And The Control Navigation Of Autonomous Agricultural Vehicles (UGV), 10th Panhellenic Conference of Agriculture Engineers (in Greek), September 28-29, Athens, 2017.
 113. Bechtsis D., Moisiadis V., Tsolakis N., **Vlachos D.**, Bochtis D., Scheduling and Control of Unmanned Ground Vehicles for Precision Farming: A Real-time Navigation Tool, 8th International Conference on Information and Communication Technologies in Agriculture, Food & Environment, Chania, Crete, September 21-24, 2017.
 114. Katikaridis D., Bechtsis D., Liakos K., **Vlachos D.**, Bochtis D., Agent based software tool for efficient intra-logistics in agriculture, 8th International Conference on Information and Communication Technologies in Agriculture, Food & Environment, Chania, Crete, September 21-24, 2017.
 115. Karadimou C.C., Koletti A.E., Moschona A., Gika H.G., **Vlachos D.**, Assimopoulou A.N, Peach Kernel: A Potential Source for Cosmeceuticals, 3rd IMEKOFOODS, Metrology Promoting Harmonization& Standardization in Food & Nutrition, Thessaloniki, October 1-4, 2017.
 116. Bechtsis D., Tsolakis N., Vouzas M., **Vlachos D.**, Industry 4.0: Sustainable material handling processes in industrial environments, 27th European Symposium on Computer Aided Process Engineering – ESCAPE 27, Barcelona October 1-5, 2017.
 117. Moisiadis V., Bechtsis D., Menexes G., **Vlachos D.**, Iakovou E., Bochtis D., 2017. Intelligent Autonomous Vehicles in industrial environments, 6th ICMEN International Conferences, October 5-6, 207-212, 2017.
 118. Bouhouras E., Mallidis I., Kapetanopoulou P., Yakavenka V., **Vlachos D.**, The Impact of A Centralized Distribution Structure on a Retailer's Supply Chain Costs: The Basis for Municipal Tax Setting, 6th ICMEN International Conferences, October 5-6, 9-17, 2017.
 119. Yakavenka v., **Vlachos D.**, Mallidis I., A Critical Taxonomy of Profit Optimization Models for Supply Chains of Perishable Goods in a Sustainability Context, 6th ICMEN International Conferences, October 5-6, 19-30, 2017.
 120. Poulimenos D., Bechtsis D., **Vlachos D.**, Iakovou I., A software tool for optimizing intra-logistic activities (338) 28th European Symposium on Computer Aided Process Engineering – ESCAPE 28, Graz, June 10-13, 2018.
 121. Poulimenos D., Menexes I., Loukaridou Kizilia E.Z., Bechtsis D., **Vlachos D.**, A swarm intelligence software tool for optimizing last-mile logistics in Green Supply Chains, 4th International Conference on Green Supply Chains. Thessaloniki, Greece, July 2-4, 2018.

122. Yakavenka, V., Bechtsis, D., **Vlachos D.**, Blockchain Impact on Food Supply Chains: A Critical Taxonomy, 4th Olympus International Conference on Supply Chains, Katerini, Greece, September 14-15, 2018.
123. Karamitsos G., Bechtsis D., Tsolakis D., **Vlachos D.**, Unmanned Aerial Vehicles for Warehouse Inventory Management, 4th Olympus International Conference on Supply Chains, Katerini, Greece, September 14-15, 2018.
124. Tziantopoulos K., Madas M., **Vlachos D.**, Iakovou E., Pharmaceutical Supply Chain Transformation through Additive Manufacturing, 4th Olympus International Conference on Supply Chains, Katerini, Greece, September 14-15, 2018.
125. Yakavenka V., Mallidis I., Siamas I., **Vlachos D.**, Iakovou I., Evaluation and Strategic Network Design in Cold Supply Chains, 4th Olympus International Conference on Supply Chains, Katerini, Greece, September 14-15, 2018.
126. Karadimou C., Koletti A., Moschona A., Gika H., **Vlachos D.**, Assimopoulou A., Sustainable exploitation of peach industries' by-products for the recovery of bioactive constituents, 4th Olympus International Conference on Supply Chains, Katerini, Greece, September 14-15, 2018.

5.4 Announcements at Conferences

1. **Vlachos D.**, Tagaras G., Emergency Ordering in Periodic Review Inventory Systems, Management Science and Operations Research in an Emerging Region, Invited paper in INFORMS International Conference, Tel Aviv, 28 June-1 July 1998.
2. Georgiadis P., **Vlachos D.**, Psinos D.P., On the Integration of MRP Systems in Production Planning, XVI EURO Conference, Brussels, July 12-15, 1998.
3. **Vlachos D.**, Tagaras G., Using Two Supply Modes for Inventory Replenishment: Applications to Reverse Logistics, 1st TMR Workshop on Reverse Logistics, Leiden, July 16-18, 1998.
4. Tagaras G., **Vlachos D.**, A Periodic Review Inventory System with Emergency Replenishments, 10th International Symposium on Inventories, ISIR Budapest, August 22-26, 1998.
5. **Vlachos D.**, Tagaras G., An Inventory System with Partial Replenishment through Remanufacturing, 2nd TMR Workshop on Reverse Logistics, Spetses, June 5-9, 1999.
6. **Vlachos D.**, Tagaras G., Inventory Management Systems with two Supply Modes (in Greek), 1st Special Conference, Hellenic Operational Research Association, Ioannina, October 29-31, 1999.
7. **Vlachos D.**, Dekker R., Ordering Policies for Single Period Products with Returns, 3rd TMR Workshop on Reverse Logistics, Wittenberg, August 28- September 1, 2000.
8. **Vlachos D.**, Dekker R., Return Handling Options and Order Quantities for Single Period Products, POM Mastery in the New Millennium, POMS Conference, Orlando, March 31-April 1, 2001.
9. Georgiadis P., **Vlachos D.**, Decision-Making in Reverse Logistics using System Dynamics, XVIII EURO Conference, Rotterdam, July 9-11, 2001.

10. Teunter R., Van Der Laan E., **Vlachos D.**, Inventory Strategies for Hybrid Manufacturing/ Remanufacturing Systems with unequal lead-times, XVIII EURO Conference, Rotterdam, July 9-11 2001.
11. **Vlachos D.**, Georgiadis P., Dynamics of Reverse Logistics Systems, 4th TMR Workshop on Reverse Logistics, Lisbon, September 14-17, 2001.
12. Teunter R., van der Laan E., **Vlachos D.**, Inventory Strategies for Systems with Fast Remanufacturing, IFORS2002, Edinburgh, July 8-12, 2002.
13. **Vlachos D.**, Georgiadis P., Tagaras G., Long Term Analysis of Closed-loop Supply Chains with System Dynamics, Joint EURO/INFORMS Conference, Istanbul, July 6-10, 2003.
14. Georgiadis P., **Vlachos D.**, The Impact of Environmental Issues on Reverse Logistics Capacity Planning, Joint EURO/INFORMS Conference, Istanbul, July 6-10, 2003.
15. Psounos D., Georgiadis P., **Vlachos D.**, Karatsis I., Study of Alternative Faculty Recruitment Planning Policies at Universities using a System Dynamics Model, 17th Operational National Conference, Patra, June 16-18, 2005.
16. Moussiopoulos N., Achillas H., Avramidis A., Boudouvas D., Giama E., Karagiannidis A., Papadopoulos A., Perkoulidis G., Sioris K., **Vlachos D.**, Cost analysis of the management of electrical and electronic products at the end of their useful life, 13th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Thessaloniki, October 8-12 2005.
17. **Vlachos D.**, Iakovou E., Xanthopoulos A., A Decision Making Analytical Model for Supply Chains with Disruptions, XXII EURO Conference, Prague, July 8-11, 2007.
18. **Vlachos D.**, Iakovou E., Keramydas C., Spyropoulou-Vlachou M., Varla-Lefterioti M., Stavropoulos-Giokas C., Anagnostopoulos A., Hellenic Umbilical Cord Blood Bank Network (in Greek), 20th Panhellenic Hematological Conference, Crete, November 4-7, 2009.
19. Keramydas C., Anagnostopoulos A., **Vlachos D.**, Iakovou E., Spyropoulou-Vlachou M., Varla-Lefterioti M., Stavropoulos-Giokas C., Hellenic Umbilical Cord Blood Bank Network, 15th Congress of the European Hematology Association, Barcelona, June 10-13, 2010.
20. Dekker R., Mallidis I., **Vlachos D.**, Greening supply chain design: evaluating the trade-offs, 23rd POMS Conference, Chicago, Illinois, USA, April 20-23, 2012.
21. Mallidis I., Dekker R., **Vlachos D.**, Tactical decision making for designing green logistics networks, 17th International Symposium on Inventories (ISIR), Budapest, August 20-24, 2012.
22. **Vlachos D.**, Keramydas C., Tsolakis N., Iakovou E., Design of agrifood supply chains with dual-sourcing and emergency replenishments, International Federation of Purchasing and Supply Management (IFPSM) Summer School, Salzburg, Austria, July 4-9, 2013.
23. **Vlachos D.**, Keramydas C., Tsolakis N., Iakovou E. Design of Cost Efficient, Sustainable and Secure Food Supply Chains. 20th Conference of the International Federation of Operational Research Societies (IFORS2014), Barcelona, Spain, July 13-18, 2014.
24. **Vlachos D.**, Keramydas C., Tsolakis N., and Iakovou E., 2014. The Role of Small Farms in Sustainable Food Security: A System Dynamics Approach, 56th Conference of the Operational Research Society (ORS), Surrey, UK, 09-11 September, 2014.

25. Anastasiadis F., Iakovou E., **Vlachos D.**, Tsolakis N., Sustainable Agrifood Supply Chain Management: The Case of the Greek Organic Food Sector, 56th Conference of the Operational Research Society (ORS), Surrey, UK, 09-11 September, 2014.
26. Tsolakis N., Keramydas C., **Vlachos D.**, Food security challenges and the role of small farms in fostering sustainability in the developed world: A critical discussion, International Conference on Business & Economics of the Hellenic Open University, Athens, Greece, February 6-7, 2015.
27. Dekker R., Mallidis I., **Vlachos D.**, Iakovou E., Design and Planning for Green Global Supply Chains under Periodic Review Replenishment Policies, 26th Annual POMS Conference, POMS, Washington DC, May 8-11, 2015.
28. Keramydas C., Iakovou E., **Vlachos D.**, Market Share Recovery Dynamics in the Aftermath of Substitute Supply Chains Disruptions: A System Dynamics Approach, 27th European Conference on Operational Research, Glasgow, UK, July 12-15, 2015.
29. Mallidis I., Iakovou E., **Vlachos D.**, Dekker, R., Design and Planning of Green Globalized Supply Chains: The Merit of "Slow Steaming", 27th European Conference on Operational Research, Glasgow, UK, July 12-15, 2015.
30. Tsolakis N., Aivazidou E., **Vlachos D.**, Iakovou E., Water Footprint and Sustainable Agrifood Supply Chains: a System Dynamics Methodology, 27th European Conference on Operational Research, Glasgow, UK, July 12-15, 2015.
31. Vouzas M., Bechtsis D., **Vlachos D.**, Simulation-based optimization of AGV systems in industry, 13th student Conference on Management Science and Technology, Athens, May 12, 2016.
32. Koutras D., Bechtsis D., **Vlachos D.**, Applications of Multi-agent systems in Agrifood supply chains, 14th Management Science and Technology Student Conference, April 27, 2017.
33. Katikaridis D., Menexes I., Bechtsis D., **Vlachos D.**, Industry 4.0: Management of Automated Guided Vehicles in Industry, 14th Management Science and Technology Student Conference, April 27, 2017.
34. Maleas Z., **Vlachos D.**, Aifandopoulou G., Salanova Grau J.M., Parodos L., Data-driven analytics for freight transport, 16th International Logistics and Supply Chain Congress, Pamukkale/Denizli, Turkey, October 18-20, 2018.
35. Assimopoulou A., Papageorgiou V., Kokkini S., Tsimidou M., Lazari D., **Vlachos D.**, Christofilos D., PlantUp – Upgrading the plant capital, 30th International Symposium of Chemistry of Natural Products, Athens, November 25-29, 2018.

5.5 Funded Research Projects

Participation as Principal Investigator or Co-principal Investigator:

1. Design and Feasibility Study for a new Private Open University in Cyprus, Funded by AKMI S.A., 2008.
2. New Library Services in the Department of Mechanical Engineering, Funded by the Department of Mechanical Engineering, 2009-2010.
3. Production and Inventory Modelling for Vitruvit Tiles Industry S.A., Funded by Vitruvit S.A., 2010.

4. Optimization Models for Green Supply Chains, Funded by Greek Ministry of Education, Heraclitus Program, 2010-2013.
5. Crisis Management on the District of Tempi - Master Plan for the Municipalities of Anatolikos Olympos, Kato Olympos and Evrimenes, Funded by Municipalities of Anatolikos Olympos, Kato Olympos and Evrimenes, 2010 – 2011.
6. Strategic Master Plan for Port Network Development of Municipality of Volvi, Funded by Municipality of Volvi, May 2012 – September 2012.
7. Innovation Capacity Building by Strengthening Expertise and Research in the Design, Planning and Operations of Green Agrifood Supply Chains, Funded by the FP7-REGPOT program of the European Commission, October 2012 – March 2016, Total Budget: 1,584,318 Euros.
8. Feasibility study for the establishment of the dual vocational education and training system in schools and enterprises in Greece in the transport and logistics sectors in cooperation with the EffizienzCluster Management GmbH, Germany, Funded by the Federal Institute for Vocational Education and Training (BIBB), December 2013 – March 2014.
9. Development of Forecasting Methods for Estimating the Yield of Clingstone Peaches per Area and Variety, Funded by Greek Canning Peach Association, January – May 2014.
10. Strategic Supply Chain Design and Best Inventory Management Practices, Funded by ZANAE (zanae.gr/en), January 2015 – July 2015.
11. Improvement of Forecasting Methods for Estimating the Yield of Clingstone Peaches per Area and Variety, Funded by Greek Canning Peach Association, March – December 2015.
12. Support of Research Activities of Laboratory of Statistics and Quantitative Analysis Methods, Funded by ETAA, January 2013-December 2016.
13. Improvement of Research Infrastructure of the Department of Mechanical Engineering, Funded by Aristotle University's Research Committee, May 2014-March 2016.
14. Scientific data access services for the Mechanical Engineering Department Library, November 2013 – present.
15. Corporate Social Responsibility at Port of Thessaloniki, December 2015-February 2016.

Participation as Member of the Research Team:

16. Reliability Analysis of Automated Irrigation, Funded by MOP Information Technologies, 1991-92.
17. Determination of Characteristics of Employees in Tourism Sector, Funded by Greek National Tourism Organization, 1993.
18. Determination of Characteristics of Foreign Tourists in Greece, Funded by Greek National Tourism Organization, 1993-94.
19. Organization study and Reengineering at the Hellenic Vehicle Industry - ELVO S.A., Funded by National Industrial Development Bank, program MENTOR, 1993-94.
20. Development Study for the Magnesia Prefecture, Funded by the National Organization for Employment - OAED, 1994.
21. Incentives for the Development of Decentralized Energy Systems, Funded by General Secretariat for Research and Development, Program PENED, 1994-95.
22. Legal Framework and Feasibility Study of a Free Trade Zone in Thessaloniki, Funded by Balkan Business Center S.A., 1995.

23. Pilot Implementation for the Development of Teleworking the Region of Central Macedonia, Funded by the Region of Central Macedonia, IRIS Initiative, 1995.
24. Mapping and Problem Diagnosis of SMEs in the Prefecture of Drama, Funded by Ministry of Employment, ADAPT program, 1996.
25. Value of Integration in Supply Networks, Funded by Hewlett-Packard, U.S.A. (Strategic Planning and Modeling), 1996.
26. Integrated Framework for the Valuation of and Privatization of Publicly Owned Companies, Funded by the Operational Program of Research and Technology – EPET II, 997-98.
27. Design and Planning of the Graduate Program of the Department of Mechanical Engineering, Aristotle University of Thessaloniki, Funded by the Ministry of Education, program EPEAEK, 1997-2004.
28. Practical Training Program of the Department of Mechanical Engineering, Funded by the Ministry of Education, program EPEAEK, 1997-98.
29. Reform of the Undergraduate of the Department of Mechanical Engineering, Funded by the Ministry of Education, program EPEAEK, 1997.
30. Work Study in a Bathroom Furniture Manufacturer, Funded by Computer Logic (North)-program RETEX, 1997-98.
31. Design and Development of a Material Management System in a Bathroom Furniture Manufacturer, Funded by Computer Logic (North)-program RETEX,, 1997-98.
32. Feasibility study for Flexible Metal Manufacturing, Funded by Christos Gantsis and sons S.A., 1998.
33. Feasibility of production of commercial products with the Aristotle University's logo, Funded by E.A.D.P. A.U.Th., 1999.
34. Feasibility study and Academic Organization of the University of Western Macedonia, Funded by Prefecture of Kozani, 1999-2000.
35. Organizational Reengineering Study of Aristotle University, Funded by Aristotle University, 1999-2000.
36. Feasibility study of the business plan of Hellenic Vehicles Industry S.A. for the construction of civil vehicle, Funded by ELVO S.A., KONVER program, 2000-01.
37. Aristotle University Strategic Mapping for the Participation of Aristotle University at the Association of European Universities, Funded by E.A.D.P. A.U.Th., 2001.
38. Human Resources Planning or the Tertiary Education in Greece, Funded by Ministry of Education –EPEAEK II, 2001-02.
39. Strategic and Operational Plan of Aristotle University, Funded by Center of Educational Research, 2002.
40. Research Network TMR for Reverse Logistics, Funded by European Commission – XII GD, 1997-2002.
41. Feasibility Study and Academic Organization of Hellenic International University in Thessaloniki, Funded by the Ministry of Macedonia and Thrace, 2002.
42. Planning of the construction of an Underground Parking Station at Aristotle University of Thessaloniki, Funded by Aristotle University of Thessaloniki, 2002-03.
43. Costing of Electrical and Electronic Products at the End of their Useful Life, Funded Appliances Recycling S.A., 2004.

44. Organizational Study for the Pedagogic Institute, Funded by the Ministry of Education, Operational Program for Education and Initial Professional Training (EPEAEK), 2005.
45. Strategic Gastronomic Tourism Planning for the Region of Central Macedonia”, Funded by the Region of Central Macedonia- INTERREG IIIB, March – November 2005.
46. Restructuring of the Undergraduate Program for the Department of Mechanical Engineering of Aristotle University of Thessaloniki, Funded by the Ministry of Education, Operational Program for Education and Initial Professional Training (EPEAEK), 2003-2008.
47. Strategic and Operational Plan of Aristotle University 2006-2015, Funded by Aristotle University, 2005.
48. Development of Studies and Processes for Attracting Investors to the International Freight Village of Thesprotia, Municipality of Paramithia, Funded by IMPETUS Engineers S.A., July 2007 – July 2008.
49. Design of a National Network for Stem Cell Banks in Greece, Haematological Society of Greece, October 2008 – December 2008.
50. Feasibility Study for the Short-Shipping Connection between the Cities of Kavala and Alexandria, Egypt», Prefectures of Kavala, Drama and Xanthi, 2009.
51. Fraunhofer - Project Center Coatings in Manufacturing (PCCM), Funded by Fraunhofer Gesellschaft-Greek Secretariat for Research and Technology, 2010.
52. Optimal Allocation of Points of Sales for the “MACEDONIA” Press Agency, Funded by the “MACEDONIA” Press Agency, 2010 – 2011.
53. Development of the Strategic Plan for the Metropolitan Mass Transit Organization of Thessaloniki, Funded by EUROACTION AE, January– June 2011.
54. Hellenic International University - Operation and Development, Funded by National Development Framework ESPA: Operational Program Education and Life-Long Learning, 2011-2014.
55. Feasibility Study for initiating the Shipping Line Igoumenitsa - Toulon (France), Funded by Igoumenitsa Port Authority S.A., February – May 2011.
56. Local Platform for Employment and Entrepreneurship of young Scientists in Innovation, Research and Technological Development, Funded by Thessaloniki- Smart City, October 2012 - June 2014.
57. Hellenic Civil Unmanned Aerial Vehicle – HCUAV, Funded by SYNERGASIA, General Secretariat of Research and Technology, Program “Synergasia”, June 2013 – December 2015.

6 OTHER SCIENTIFIC ACTIVITIES

6.1 Referee in International Journals

From 2001 until today I have refereed more than 200 scientific papers for the following journals:

- *Annals of Operations Research,*
- *Applied Mathematical Modeling,*
- *Bulletin of the Malaysian Mathematical Sciences Society,*
- *Business Strategy and the Environment,*
- *Computers and Industrial Engineering,*

- *Energy Policy,*
- *European Journal of Operational Research,*
- *International Journal of Healthcare Technology and Management,*
- *International Journal of Innovation and Regional Development,*
- *International Journal of Logistics,*
- *International Journal of Management Science and Engineering Management,*
- *International Journal of Production Economic,*
- *International Journal of Sustainable Engineering,*
- *International Journal of Systems Sciences*
- *Journal of Industrial Engineering and Management,*
- *Journal of Simulation Modeling,*
- *Management Research Review,*
- *Management Science,*
- *Manufacturing and Service Operations Management,*
- *Mathematical Models in Engineering,*
- *Measurement Science and Technology,*
- *Operations Research,*
- *Production Operations Management,*
- *Production Planning and Control,*
- *Research in Transportation Business & Management*
- *Simulation Modeling Practice and Theory,*
- *Sustainability*
- *Transportation Research Part E,*
- *Waste Management.*

6.2 Participation in Conference Organizing Committees

Member of the Organizing Committee of the 6th Balkan Conference on Operational Research organized by the Hellenic Operational Research Society, 2002.

Member of the Scientific Committee of the 9th Panhellenic Logistics Conference, organized by the Greek Association of Supply Chain Management, 2005.

Member of the Scientific Committee of 10th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2006.

Member of the Scientific Committee of 19th Panhellenic Conference on Operational Research organized by the Hellenic operational research society, 2007.

Member of the Scientific Committee of 11th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2007.

Member of the Scientific Committee of 12th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, Thessaloniki branch, 2008.

Member of the Scientific Committee of the 3th ICMEN2008.

Member of the Scientific Committee of the 13th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2009.

Member of the Scientific Committee of the 4th ICMEN2011.

Member of the Scientific Committee of 15th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2011.

Member of the Scientific Committee of the 16th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2012.

Member of the Scientific Committee of 17th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2013.

Member of the Scientific Committee of the 5th ICMEN, 2014.

Member of the Scientific Committee of 18th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2014.

Member of the Scientific Committee of 19th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2015.

Member of the Scientific Committee of 20th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2016.

Member of the Scientific Committee of the 6th ICMEN, 2017.

Chair of the Organizing Committee, 21th Panhellenic Logistics Conference organized by the Greek Association of Supply Chain Management, 2017.

Chair of the Organizing Committee, 4th International Conference on Green Supply Chains, July 2-4, 2018.

6.3 Participation in Committees and Working Groups

- Participation in the Working Group on the participation of the University in the Union of European Universities (1999).
- Participation in the Working Group for the Development of a strategic and operational plan of Aristotle University (2004)
- Member of the Board of the Nursery school and Kindergarten of the Aristotle University of Thessaloniki (2007-2010).
- Member of the Working Group of the Aristotle University of Thessaloniki for organizational reengineering (2013-14).
- Member of the Special Interdepartmental Committee of the Postgraduate Programme in Museology and Cultural Management (2007-).
- Member of the Special Interdepartmental Committee of the Postgraduate Programme in Protection, Preservation and Restoration of Cultural Monuments (2010-2013).
- Participation in various Committees of the Department of Mechanical Engineering, the Engineering School and the Aristotle University of Thessaloniki.

6.4 Participation in Scientific Studies

I have participated in the following studies, funded by private companies and organizations:

- Preliminary study of economic feasibility of establishment of a new port at Nea Karvali, 1992.
- Codification of existing studies for the Region of Epirus, General Secretary of the Region of Epirus, 1992-93.
- Identify educational and training needs in the sectors of textile and garment industry, program FORCE, 1993.

- Feasibility study for the creation of a business support center in Kozani, 1996.
- Study on development and implementation of employee remuneration system in A.E.B.A.L., 1996.
- Development of telematics applications in the region of Central Macedonia in the area of telework, IRIS initiative, 1997.
- Feasibility study and creation of Agropolis action plan, American Farm School, 1997-98.
- Feasibility and viability study for the development of the Macedonian Museum of contemporary art, 1998.
- Organizational design of the University of Tbilisi, 2000.
- Feasibility study and Academic Organization of the School of Theological and Cultural studies in Cyprus, Monastery of Kykkos, 2002.
- Five-year development plan of the School of Theological and Cultural studies of Cyprus, Monastery of Kykkos, 2003.

6.5 Membership in Professional Organizations

I am a member of the following scientific societies:

- (a) Technical Chamber of Greece (1988-).
- (b) Electrical and Mechanical Engineering Association of Northern Greece (1988-).
- (c) Hellenic Operational Research Society (1993-). Member of the Board of the Macedonia and Thrace Branch from (2001-03).
- (d) Greek Association of Supply Chain Management (2003-); Member of the Board (2006-); Vice-president (2008-2014); President (2015-).
- (e) Institute for Operations Research and the Management Sciences, INFORMS (1997-).
- (f) Council of Supply Chain Management Professionals, CSCMP (2008-).