
Dr. Dimitrios A. Aidonis

Lecturer

Operations Research in Supply Chain Management

Department of Logistics

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Personal Information

First name(s) / Surname: Dimitrios Aidonis

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Nationality: Greek

Date of birth: 05/02/1977

Gender: Male

Research Interests

Applied Operations Research

Supply Chain Management

Inventory Management

Reverse Logistics

Green Logistics

Humanitarian Logistics

Education

2005-2009 PhD, Department of Mechanical Engineering, Aristotle University of Thessaloniki, PhD thesis entitled "Applied operations research methodologies for the optimal design and operation of reuse and recycling networks of construction and demolition materials".

1999-2000 MBA Course (Full time), Business School, Staffordshire University Business School, Individual project on "People's Perception about Public and Private Hospitals in Greece".

1994 - 1999 Bachelor (5 years study cycle), Department of Mechanical Engineering, Aristotle University of Thessaloniki.

Work Experience

- 2008 -** Lecturer, Department of Logistics, Alexander Technological Educational Institute of Thessaloniki.
- 2008 -** Lead Auditor in Management Systems ISO 9001:2008, EQA S.A. Hellas.
- 2005 - 2010** Consultant for Health and Safety Working Issues, Envirometrics Ltd.
- 2004 - 2005** Production Manager, KOTIS A.
- 2003 - 2004** Production Manager, Ermis Ltd.
- 2001 - 2002** Production Manager, Ifaistos Boiler Works SA.

Publications

Publications in peer reviewed journals:

- Folinias D., Aidonis D., 2012, "The Effects of Economic Crisis to Logistics Outsourcing", International Journal of Business Science and Applied Management, Vol. 7, Issue 3, pp. 56 – 67.
- Achilles Ch., Aidonis D., Vlachokostas Ch., Karagiannidis A., Moussiopoulos N., Loulos V., "Depth of Manual Dismantling Analysis: A Cost-Benefit Approach", Waste Management (accepted for publication).
- Achilles Ch., Aidonis D., Vlachokostas Ch., Folinias D., Moussiopoulos N., 2012, "Re-Design of Industrial Products on a Multi-Objective Basis: A Case Study", Journal of Operations Research Studies, pp 1 - 11.
- Achilles Ch., Aidonis D., Vlachokostas Ch., Moussiopoulos N., Banias G., Triantafillou D., 2012, "A Multi-Objective Decision-Making Model to Select Waste Electrical and Electronic Equipment Transportation Media", Resources, Conservation and Recycling, Vol. 66, pp. 76–84.
- Xanthopoulos A., Aidonis D., Vlachos D., Iakovou E., "A planning optimization framework for construction and demolition waste management" Special Issue on "Integrated Manufacturing and Service Systems", International Journal of Industrial and Systems Engineering (IJISE) 2012, Special Issue on "Integrated Manufacturing and Service Systems", International Journal of Industrial and Systems Engineering (IJISE), Vol. 10, No. 3, pp. 257-276.
- Keramydas C., Xanthopoulos A., Aidonis D., 2011, "A Decision-Making

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- Framework for the Optimal Selection of Suppliers”, *Operations and Supply Chain Management – An International Journal*, Vol. 4, Issue 2, May 2011, pp. 68-77.
- Achillas Ch., Vlachokostas Ch., Aidonis D., Moussiopoulos N., Iakovou E., Baniyas G., 2010, “Optimising reverse logistics network to support policy making in the case of electrical and electronic equipment”, *Waste Management*, Vol. 30, Issue 12, pp. 2592-2600.
 - Xanthopoulos, A., Aidonis, D., Vlachos, D., Iakovou, E., 2009, “Reverse logistics processes of multi-type end-of-life buildings/construction sites: An integrated optimization framework”, *WSEAS Transactions on Environment and Development*, Vol. 5, No. 3, pp. 250 – 259.
 - Iakovou, E., Vlachos, D., Aidonis, D., 2009, «A Strategic Methodological Framework for the Development of Gastronomic Tourism: a Greek Region’s Experience», *International Journal of Innovation and Regional Development*, Vol. 1, No. 3, pp. 301-318.
 - Aidonis, D., Xanthopoulos, A., Vlachos, D., Iakovou, E., 2008, «An Analytical Methodological Framework for Managing Reverse Supply Chains in the Construction Industry», *WSEAS Transactions on Environment and Development*, Vol. 4, No. 11, pp. 1036-1046.

Publications in peer reviewed conference proceedings:

- Aidonis D., Folinias D., Achillas Ch., Triantafillou D., Malindretos G., “Multicriteria Assessment of Policy-Makers and Experts’ Views for the Prioritization of the Agrifood Supply Chains” XXXV CIOSTA & CIGR V Conference, Billund, Denmark, 03 – 05 July 2013, CD-ROM Edition.
- Malindretos G., Aidonis D., Folinias D., Triantafillou D., “Holistic Value Chain and Sustainability. Potential Role of Co-Operatives”, ICA Global Research Conference 2013, Nicosia, Cyprus, 12-15 June 2013, CD-ROM Edition.
- Achillas Ch., Aidonis D., Folinias D., Moussiopoulos N., Triantafillou D. “Decision Making Support System for Supplier Involvement in New Product Design: A Real World Case in the Agrifood Sector”, *Proceedings of 2nd Olympus International Conference on Supply Chains (Olympus ICSC 2012)*, Eds. Aidonis D., Folinias D., Katerini, Greece, 5 – 6 October 2012, CD-ROM Edition.
- Keradinidis G., Aidonis D., Manikas I., “Maritime Operations and New Business Models Elaboration”, *Proceedings of 2nd Olympus International Conference on Supply Chains (Olympus ICSC 2012)*, Eds. Aidonis D., Folinias D., Katerini, Greece, 5 – 6 October 2012, CD-ROM Edition.
- Folinias D., Aidonis D., “Identifying the Effects of Economic Crisis to Logistics Outsourcing: The Case of Greece”, *Proceedings of 2nd Olympus International Conference on Supply Chains (Olympus ICSC 2012)*, Eds. Aidonis D., Folinias D., Katerini, Greece, 5 – 6 October 2012, CD-ROM Edition.
- Tsolakis N., Keramydas Ch., Toka A., Aidonis D., Iakovou E., “Supply Chain Management for the Agri-food Sector: A Critical Taxonomy”, *Proceedings of 2nd Olympus International Conference on Supply*

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- Chains (Olympus ICSC 2012), Eds. Aidonis D., Folinias D., Katerini, Greece, 5 – 6 October 2012, CD-ROM Edition.
- Achilles Ch., Aidonis D., Vlachokostas Ch., Karagiannidis A., Moussiopoulos N., Antonopoulos I., Loulos V., “Recycling Electrical and Electronic Equipment: A Cost Benefit Approach” 4th International Conference on Engineering for Waste and Biomass Valorisation, Porto, Portugal, 10-13 September, 2012.
 - Achilles Ch., Aidonis D., Vlachokostas Ch., Karagiannidis A., Moussiopoulos N., “Optimal Depth of Industrial Products’ Disassembly”, Joint International Congress and Exhibition Electronics Goes Green 2012+, Berlin, Germany, 09-12 September 2012
 - Manikas I., Folinias D., Aidonis D., Kelemis A., 2011, “Identification and Modeling of Key Logistics Processes in the Agrifood Sector”, ICLT & OSCM 2011 Conference, Malé, Maldives 15 - 17 December 2011 (to be presented).
 - Aidonis D., Triantafillou D., Voulgarakis N., Achilles Ch., Moussiopoulos N., “Outsourcing service logistics providers for the transportation of hazardous materials with the use of multicriteria analysis”, 15th Panhellenic Logistics Conference & 1st Southeast European Congress on Supply Chain Management, Thessaloniki, Greece, 11 – 12 November 2011.
 - Banias G., Moussiopoulos N., Aidonis D., Achilles Ch. and Vlachokostas Ch., 2011, “Integrated Management of Waste from Construction Activities in the Aristotle University Campus, Thessaloniki, Greece”, 3rd International Conference on Environmental Management, Engineering, Planning and Economics, Skiathos island, Greece, 19 – 24 June 2011.
 - Achilles Ch., Aidonis D., Folinias D., Moussiopoulos N., Vlachokostas Ch., Triantafillou D., 2011, “Application of Multiple Objective Linear Programming as a Tool to Improve Eco-Design of Industrial Products”, MOTSP 2011, Management of Technology, Step to Sustainable Production, Bol, Brac, Croatia, 08 – 10 June 2011.
 - Folinias D., Aidonis D., Chatzis A., 2010, “Economic Crisis and Supply Chain Management: Challenges and Opportunities”, 11o International Conference of the Economic Society of Thessaloniki, Thessaloniki, 25 – 27 November 2010 (In Greek).
 - Keramydas Ch., Xanthopoulos A., Aidonis D., 2010, “An integrated methodological approach for the optimal selection and evaluation of suppliers: A decision-making framework”, Proceedings of 1st Olympus International Conference on Supply Chains (Olympus ICSC 2010), Eds. Aidonis D., Manikas I., Folinias D., Katerini, Greece, 1 – 2 October 2010, CD-ROM Edition.
 - Achilles Ch., Aidonis D., Vlachokostas Ch., Banias G., Moussiopoulos N., Iakovou E., 2010, “Introducing external costs in the decision making of multi-type carriers for the transportation of waste electrical and electronic equipment”, Proceedings of 1st Olympus International Conference on Supply Chains (Olympus ICSC 2010), Eds. Aidonis D., Manikas I., Folinias D., Katerini, Greece, 1 – 2 October 2010, CD-ROM Edition.

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- Moussiopoulos N., Baniyas G., Aidonis D., Achilles Ch., Vlachokostas Ch., Iakovou E., Papadopoulos A., 2010, “Estimating costs for the integrated management of waste from construction activities”, Proceedings of 1st Olympus International Conference on Supply Chains (Olympus ICSC 2010), Eds. Aidonis D., Manikas I., Folinas D., Katerini, Greece, 1 – 2 October 2010, CD-ROM Edition.
 - Mousiopoulos N., Baniyas G., Aidonis D., Anastaselos D., Vlachokostas C., Achilles Ch., Iakovou E., Papadopoulos A., 2009, “ Development of an Information System for the management of Demolition Waste in the Region of Central Macedonia”, 3rd Conference of Environmental Board of Aristotle University of Thessaloniki, Thessaloniki, Greece, 15-17 October 2009 (In Greek).
 - Moussiopoulos, N., Baniyas, G., Aidonis, D., Anastaselos, D., Achilles, Ch., Iakovou, E., Papadopoulos, 2009, “Development of a web based application for the optimal demolition waste management in the Region of Central Macedonia”, 11th International Conference on Environmental Science and Technology (CEST), Chania, Crete, Greece, 3–5 September 2009, pp 954-961.
 - Moussiopoulos, N., Anastaselos, D., Aidonis, D., Baniyas, G., Achilles, Ch., Iakovou, E., Papadopoulos, A., 2009, “DeconRCM: A decision support system tool for renovation and demolition waste management”, 2nd Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), Mykonos Island, Greece, 21-26 June 2009, pp 1113-1119.
 - Aidonis, D., Xanthopoulos, A., Vlachos, D., Iakovou, E., 2009, “A Mixed-Integer Linear Programming Model for the Optimization of the Reverse Logistics Processes of End-of-Life Buildings”, Proceedings of the 4th IASME/WSEAS International Conference on Energy and Environment (EE'09), Cambridge, United Kingdom, February 24-26, 2009, pp. 443-448.
 - Aidonis D., Xanthopoulos A., Iakovou E., Vlachos D., 2008, “On the optimal deconstruction and recovery process of end-of-life buildings”, Proceedings of the 2nd International Conference on WASTE MANAGEMENT, WATER POLLUTION, AIR POLLUTION, INDOOR CLIMATE (WWAI' 08), Corfu, Greece, 26 – 28 October 2008, 211, CD-ROM edition.
 - Aidonis D., Iakovou E., Vlachos D., 2008, “Design of Reverse Flows for Construction and Demolition Waste”, Proceedings of the 3rd Annual South-East European Doctoral Student Conference, Infusing Research and Knowledge in South East Europe, Thessaloniki, Greece, 26 – 27 June 2008, 81, CD-ROM edition.
 - Aidonis D., Iakovou E., Vlachos D., 2008, “Reverse flows optimization for construction and demolition waste”, Proceedings of the 6th International Conference on Tribology (BALKANTRIB 08), Sozopol, Bulgaria, 12 – 14 June 2008, 78, CD-ROM edition.
 - Mousiopoulos N., Iakovou E., Papadopoulos A., Achilles Ch., Aidonis D., Anastaselos D., Baniyas G., 2008, “Reuse and recycling techniques for Demolition Waste Management”, Proceedings of the 1st National Conference on Building Materials – Greek Technical Chamber, Athens

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- 21-23 May 2008, pp. 497-508 (In Greek).
- Aidonis D., Iakovou E., Vlachos D., 2008, “Design of Reverse Flows for the Management of Deconstruction and Demolition Waste”, Proceedings of the 8th Student Conference of Management Science and Technology, Athens 08 May 2008, (In Greek).
 - Mousiopoulos N., Iakovou E., Papadopoulos A., Achillas Ch., Aidonis D., Anastaselos D., Baniias G., 2008, “ Decision Making Methodological Framework for the Design and Operation of Inert Materials Recycling Facility”, Proceedings of the 3rd Environmental Conference in Macedonia, Thessaloniki, Greece, 1417 March 2008, CD-ROM edition (In Greek).
 - Mousiopoulos N., Papadopoulos A., Iakovou E., Achillas H., Aidonis D., Anastaselos D., Baniias G., 2007, “Construction and demolition waste management: State of the art trends”, Proceedings of the 10th International Conference on the Environmental Science and Technology (CEST2007), Ed. Lekkas T.D., Cos island, Greece, 5 – 7 September 2007, pp. 1009-1016, CD-ROM edition.
 - Mousiopoulos N., Papadopoulos A., Iakovou E., Achillas H., Aidonis D., Anastaselos D., Baniias G., 2007, “Legislative framework on construction and demolition waste management”, Proceedings of the 1st International Conference on Environmental Management, Engineering, Planning and Economics, SECOTOX/CEMEPE, Eds. Kungolos A., Aravossis K., Karagiannidis A. and Samaras P., Skiathos island, Greece, 24 – 28 June 2007, Vol.3, pp. 1569-1575.
 - Mousiopoulos N., Iakovou E., Papadopoulos A., Achillas Ch., Aidonis D., Anastaselos D., Baniias G., 2007, “Requirement Analysis for the Development of a web based application for the optimal demolition waste management”, Proceedings of the 2nd National Conference of Mechanical Engineer, Athens, 16-18 May 2007, CD-ROM (In Greek).

Announcements in Conferences:

- Aidonis D., Triantafillou D., Folinias D., 2012, “Development and Implementation of ELOT EN ISO 9001:2008 Quality Management System at the Secretary Office in the Department of Logistics”, MODIP ATEITH, Thessaloniki, 29-30 November 2012.

Publications in Book Chapters:

- Mousiopoulos N., Iakovou E., Papadopoulos A., Achillas Ch., Aidonis D., Anastaselos D., Baniias G., 2007, “Utilization of deconstruction and Demolition Waste”, Aristotle University of Thessaloniki, “Idrogaia”, Honorary Issue for Professor Tzimopoulos C., pp 413-423, ISBN 978-960-243-659-2 (In Greek).
- Keramydas C., Tsolakis N., Xanthopoulos A., Aidonis A., 2012, “Selection and Evaluation of 3PL Providers: A Conceptual Decision-Making Framework”, Handbook “Outsourcing Management for Supply Chain Operations and Logistics Services” (accepted for publication).
- Voulgarakis N., Aidonis D., Achillas Ch., Triantafillou D., Mousiopoulos N., 2012, “Selection of the 3rd/4th Party Logistics Provider: A multicriteria approach”, Handbook “Outsourcing Management for Supply Chain Operations and Logistics Services”

(accepted for publication).

Papers under review process:

- Aidonis D., Achillas Ch., Folinás D., “Multicriteria Analysis Approach for Humanitarian Preparedness Operations”, Journal of Humanitarian Logistics and Supply Chain Management
- Achillas Ch., Aidonis D., Folinás D., Moussiopoulos N., Triantafyllou D., Early Involvement of Suppliers in Product Design: The Case of Olive Oil, Special Issue on “Agri-food and biomass supply chains”, CIGR Journal.
- Achillas Ch., Aidonis D., Iakovou E., Thymianidis M., Tzetzis D., “A methodological framework for the inclusion of modern additive manufacturing into the production portfolio of a focused factory”, Technovation.
- Tsolakis N., Keramydas Ch., Toka A., Aidonis D., Iakovou E., “Agrifood Supply Chain Management: A Comprehensive Hierarchical Decision-Making Framework and a Critical Taxonomy”, Biosystems Engineering.

Teaching Notes:

- «Costing and Assessment», Automotive Department, Alexander Technological Educational Institute of Thessaloniki (In Greek).

Other Articles:

- Collaborative Monitoring of Quality in Supply Chains: The Math Camel Problem, Newspaper: Xrima Triti, 07 February 2012 (In Greek).
- «Quality Costs», Newspaper: Xrima Triti, 07 June 2011 (In Greek).
- Optimizing the suppliers’ selection and evaluation procedures Newspaper: Xrima Triti, 05 April 2011 (In Greek).
- «Quality in the Supply Procedure», Journal of Supply Chain and Logistics, October 2009.
- «Introducing the Department of Logistics, Alexander Technological Educational Institute of Thessaloniki», Journal of Logistics & Management, September 2009.
- «Information System for Demolition Waste Management», Journal: ECOTEC, March 2008.

Editorialship

- Aidonis D., Folinás D., Triantafyllou D., 2012, “Editorial: Supply Chain Management”, International Journal of Business Science and Applied Management, Vol. 7, Issue 3, pp. 1 – 2.
- Folinás D., Aidonis D., 2011, “Operations and Supply Chain Management: An International Journal - Editorial of Special Issue”, Vol. 4, No. 2, pp. 65-67

Research Projects

Participation as Project Leader:

- 12/2011 -** «Implementation of internal audits and external certification from an Independent Certification Body of ELOT EN ISO 9001:2008 Quality Management System at the Secretary Office in the Department of Logistics», ATEI Thessaloniki, Budget: €10,700.
- 11/2011 - 12/2011** «Feasibility study for the development of thermal-spa tourism center in Therma», Therma's Cultural Association, Budget: €2,214.

Participation as Researcher:

- 07/2013 - 07/2015** Securing Transit Containers (SETRACON)», Financed by Black Sea Basin 2007 - 2013, Budget: €481,500 (Project Leader Ass. Prof. A. Kelemis).
- 10/2012 -04/2016** GREEN-AgriChains, European Union's Seventh Framework Programme (FP7-REGPOT-2012-2013-1)(Project Leader Prof. E. Iakovou).
- 04/2012 - 04/2015** «Implementation of Green Development in Agrifood Supply Chains», Financed by the Greek Ministry of Education, Research Programme: Thalys, Budget: €450,000, (Project Leader Prof. P. Karakoltsidis)
- 10/2011 - 11/2011** «Training Seminar in Warehouse Management», Financed by AB, Budget: €10,000, (Project Leader Prof. D. Triantafyllou).
- 05/2011 - 07/2011** «Consumer behaviour of Pieria county residents», Financed by the Chamber of Pieria, Budget: €10,000, (Project Leader Prof. D. Triantafyllou).
- 04/2011 - 08/2011** «Performance measurement processes Charalambides Cables Company SA», Financed by General Secretariat for Research and Technology, Programme: Innovation Coupons for SMEs, Budget: €7,000 (Project Leader Prof. D. Triantafyllou).
- 12/2010 - 06/2010** «Development and Implementation of ELOT EN ISO 9001:2008 Quality Management System at the Secretary Office in the Department of Logistics», ATEI Thessaloniki, Budget: €10,000 (Project Leader Prof. D. Triantafyllou).
- 11/2005 - 10/2008** «Information System for Demolition Waste Management», Financed by General Secretariat for Research and Technology of the Hellenic Ministry of Development, Budget: €172,740 (Project Leader Prof. N. Moussiopoulos).

06/2005 – 10/2005 «Strategic Design for the Development of Gastronomic Tourism in the Region of Central Macedonia», Financed by the Region of Central Macedonia, Budget: €55,000 (Project Leader Prof: E. Iakovou).

Reviewer in:

International Journals

- Journal of Humanitarian Logistics and Supply Chain Management
- Agricultural Engineering International: CIGR Journal
- Herald Journal of Marketing and Business Management
- International Journal of Business Science & Applied Management

Handbooks

- Outsourcing Management for Supply Chain Operations and Logistics Services

Conferences

- 6th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013), Corfu, Greece, 19-22 September 2013.
- 2nd Olympus International Conference on Supply Chains (Olympus ICSC 2012), Katerini, Greece, 5 – 6 October 2012.
- 8th International Conference “Standardization, Prototypes and Quality: A means of Balkan Countries’ Collaboration”, Thessaloniki, Greece, 07 – 08 October 2011
- 1st Olympus International Conference on Supply Chains (Olympus ICSC 2010), Katerini, Greece, 1 – 2 October 2010.
- 6th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013), Corfu, Greece, 19-22 September 2013.

Professional Bodies

- 2000 -** Member of the Greek Technical Chamber (TEE).
- 2005-** Member of the International Society of Logistics Engineers – SOLE.
- 2006 -** Member of the National Association of Mechanical Engineers.
- 2008 - 2009** Member of the Council of Supply Chain Management Professionals (CSCMP).

Participation in committees:

- Member of the Standing Committee for Industry, New Products and Investments, Greek Technical Chamber, Department of Central Macedonia, 2010 – 2012.
- Member in the Scientific Committee of the 8th International Conference “Standardization, Prototypes and Quality: A means of Balkan Countries’ Collaboration”, Thessaloniki, 07 – 08 October 2011.
- Member in the Organizing Committee of the 1st International Conference on Supply Chain Management “Olympus Conference on Supply Chains”, Katerini, 01 – 02 October 2010.

Seminars:

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| 2012 | Lead Auditor in Environmental Management Systems, IEMA Approved, TUV Hellas SA, Duration: 40 hours |
| 2005 | Health and Safety Issues, The Greek Institute for Health and Safety in Work, Duration: 70 hours. |
| 2003 | Lead Auditor in Management Quality Systems, Hellenic Body for Standardisation ELOT SA., Duration: 40 hours |

Further Skills

ICT: good knowledge of Microsoft Word, Excel, Power Point, LINDO, LINGO, AMPL, MS-Project, AUTOCAD, Internet; Electronic Mail (MS Outlook)

Languages: fluent in English and Greek