

PERSONAL INFORMATION



Christos A. Keramydas

📍 16, Vlassi Gavriilidi Str., Thessaloniki, GR 546 55, Greece

☎ 0030 2310 202241 📠 0030 6945 964819

✉ keramidasx@teicm.gr; chkeramy@auth.gr

🔒 -

💬 Skype christos.keramydas | LinkedIn Christos Keramydas

Sex Male | Date of birth 23/06/1975 | Nationality Greek

CURRENT POSITION

Assistant Professor

Department of Logistics

Technological Educational Institute of Central Macedonia (TEI CM)

2 Kanellopoulou str., Katerini, Greece, 601 00

tel.: 23510 47864, mob.: 6945 964819

email: keramidasx@teicm.gr; chkeramy@auth.gr

EDUCATION AND TRAINING

Basic Education

2013 Doctoral Degree (PhD)

Department of Mechanical Engineering, School of Engineering,
Aristotle University of Thessaloniki, Thessaloniki, Greece

- In: **Quantitative Methods – Simulation – Logistics – Supply Chain Management – Risk Management – Substitute Products and Services**
- Grade (PhD Thesis): **Excellent (10.00)**

2012 Master's Degree (MSc)

Department of Mathematics, School of Sciences,
Aristotle University of Thessaloniki, Thessaloniki, Greece

- In: **Statistics and Modelling** (formerly known as Statistics and Operational Research)
- Courses: Stochastic Processes, Time Series Analysis, Probabilities and Sampling, Mathematical Modelling, Multivariate Statistics, Web Science
- Credit Units: **90 ECTS**
- Grade: **9.70 (Excellent)**
- Grade (MSc Thesis): **10.00 (Excellent)**

2008 Diploma Degree

Department of Mechanical Engineering, School of Engineering,
Aristotle University of Thessaloniki, Thessaloniki, Greece

- In: **Mechanical Engineering**
- 5-year diploma equal to a Bachelor's Degree in Mechanical Engineering and a Master's Degree in **Industrial Management**
- Specialization: **Industrial Management**
- Credit Units: **309 ECTS** (regular: 300, two extra courses)
- Grade: **8.14 (Very Good)**
- Grade (Diploma Thesis): **10.00 (Excellent)**

Basic Education (ongoing)

10/2015 - today

Master's Degree (MSc)

School of Science and Technology, Hellenic Open University, Greece

- In: **Quality Management and Technology** (formerly known as Quality Assurance).
- Courses: Basic Tools & Methods for Quality Control, Quality Planning and Organization, Advanced Tools and Methods for Quality Control, Special Topics in Quality.
- Credit Units: **100 ECTS** (completed in January 2018), Total: **120 ECTS**.
- Completion Time (estimated): September 2018.

Post-doc Research

01/2014 – 12/2014

 Department of Mechanical Engineering, School of Engineering,
Aristotle University of Thessaloniki, Thessaloniki, Greece

- The role of Agrifood Supply Networks in Food and Nutrition Security.
- Scholarship: Post-doc Research Scholarship (research funded by the Aristotle University Research Committee)

07/2013 – 03/2016

 Department of Mechanical Engineering, School of Engineering,
Aristotle University of Thessaloniki, Thessaloniki, Greece

- Design, Planning and Operations of Green Agrifood Supply Chains.
- Within the context of EU FP7 Programme: "Innovation Capacity Building by Strengthening Expertise and Research in the Design, Planning and Operations of Green Agrifood Supply Chains"

01/2016-06/2016

 Interdisciplinary Research and Innovation Center (KEDEK),
Aristotle University of Thessaloniki, Thessaloniki, Greece

- Sustainable Agrifood Supply Chains; SASC Interdisciplinary Research Group
- Coordinator: Assoc. Prof. Dimitrios Vlachos

Special Training

10/2017

EMISIA SA

Trainer: Sia Nikroyhoseiny

- On the operation of the Horiba Portable Emission Measurement System/Analyzers

07/2016

Public Power Corporation SA,

Trainers: PPC managers

- On organizational and operational issues of the PPC SA.

01/2015

ISO 9001:2008

Trainer: Thomas Kostakis, Quality Consultant

- On the development and implementation of an ISO 9001:2008 Quality System.

04/2013

IBM LogicNet Plus XE – Supply Chain Management Software

Trainer: Michel Le, IBM Optimization and Supply Chain Management Technical Sales Trainer:

- On the use of the software.

Continuing Education

2014

Mathematical Biostatistics Boot Camp II (course in English)

 University of Florida, Professor Brian Caffo; In: Coursera eLearning platform; Duration: 7 weeks;
Grade: 94,1% (Distinction)

2014

Data Analysis and Statistical Inference (course in English)

 ▪ Duke University, Assistant Professor Dr. Mine Çetinkaya-Rundel; In: Coursera eLearning platform;
Duration: 10 weeks; Grade: 80,4% (Distinction)

- 2014 **The Age of Sustainable Development (course in English)**
Columbia University, Professor Jeffrey Sachs; In: Coursera eLearning platform; Duration: 14 weeks; Grade: 95,4% (Distinction)
- 2014 **Programming with Mathematica Software (course in Greek)**
▪ Department of Informatics, University of Piraeus, Professor Foris A. Georgiakodis; In: e-Learning Education Program; Duration: 10 weeks; Grade: 96%
- 2014 **Mathematical Biostatistics Boot Camp I (course)**
▪ University of Florida, Professor Brian Caffo; In: Coursera eLearning platform; Duration: 7 weeks; Grade: 100,0% (Distinction)
- 2013 **Data Analysis (course in English)**
▪ John Hopkins University, Assistant Professor Jeffrey Leek; In: Coursera eLearning platform; Duration: 8 weeks; Grade: 94,6% (Distinction)

TEACHING EXPERIENCE

Undergraduate Education

Department of Mechanical Engineering

School of Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Position: **Adjunct Lecturer**

Courses:

- Operational Research I (code: 125, 5th semester) (2015-16) (in cooperation with Assoc. Prof. Dimitrios Vlachos)
- Supply Chain Management (κωδικός: 365, 10^o semester) (2015-16) (in cooperation with Dr. Ioannis Mallidis)

Department of Mechanical Engineering

School of Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Position: **Teaching Associate**

Courses:

- Statistics (code: 114, 3rd semester) (2009-10, 10-11, 11-12, 12-13).
- Operational Research I (code: 125, 5th semester) (2008-09, 11-12, 12-13, 13-14, 14-15).
- Operational Research II (code: 221, 8th semester) (2010-11).
- Simulation (code: 364, 10th semester) (2008-09, 09-10, 10-11, 11-12, 12-13, 13-14).
- Forecasting (code: 127, 6th semester) (2009-10, 10-11, 11-12, 12-13).
- Inventory Management and Distribution of Products (code: 327, 7th semester) (2012-13).
- Maintenance and Reliability (code: 328, 9th semester) (2013-14).

Department of Mathematics

School of Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece

Position: **Teaching Assistant**

Courses:

- Statistics (code: 0503, 4th semester) (2010-11, 11-12).

Department of Logistics

School of Administration and Economics, Technological Educational Institute of Central Macedonia, Katerini, Greece

Position: **Laboratory Associate**

Courses:

- Inventory Management and Demand Forecasting (code: E.Y1, 5th semester) (2014-15).
- Total Quality Management I (4th semester) (2015-16).

Postgraduate Education

Department of Mechanical Engineering

Master of Science in Renewable Energy Systems: Design, Development and Optimization

School of Technological Applications, Technological Educational Institute of Central Macedonia, Katerini, Greece

Position: **Visiting Professor**

Courses:

- Engineering Economics and Cost Analysis (1st semester) (2015-2016, 2016-17).

Department of Logistics

Master of Science in Logistics and Supply Chain Management

School of Administration and Economics, Technological Educational Institute of Central Macedonia, Serres, Greece

Position: **Visiting Professor**

Courses

- Supply Chains and Operational Research Applications (1st semester) (2014-15, 2015-16) (part of the course)
- Transportation Management (1st semester) (2014-15) (part of the course).
- Green Supply Chain (2nd semester) (2014-15, 2015-16) (part of the course).
- Informatics and Technology in Supply Chains (2nd semester) (2014-15) (part of the course).

Hellenic Management Association

Certified Training Programmes, Hellenic Management Association, Thessaloniki, Greece

Business Logistics programme

Position: **Course Instructor**

Courses

- Business Logistics (2010-2011).

Graduate Diploma in Logistics Management

Position: **Course Instructor**

Courses

- Warehouse Management (2011-2012).
- Information Technologies and Logistics (2011-2012).
- Distribution Management and Logistics (2011-2012).

Summer Schools

Kühne Logistics University

Hamburg, Germany

Event: 12th ISIR Summer School

Organizers: International Society for Inventory Research (ISIR) and Prof. Dr. Sandra Transchel (Kühne Logistics University)

Position: **Senior Discussant**

Central Theme:

- Value-Driven Inventory Management in Logistics and Supply Chains (trainees: PhD students) (2015).

Seminars and Training of Employees

AHEPA General University Hospital of Thessaloniki

Thessaloniki, Greece

Funding: Manpower Employment Organization of Greece (OAED)

Concessionaire: Inter-Balkan Institute for Public Administration (I.I.P.A.) - Supreme Administration of Greek Civil Servants Trade Unions (ADEDY)

Position: **Trainer – Course Instructor**

Courses:

- Statistical Analysis of Data (trainees: doctors) (2010, 2011, 2012).

Theagenio Cancer Hospital of Thessaloniki

Thessaloniki, Greece

Funding: Manpower Employment Organization of Greece (OAED)

Concessionaire: Inter-Balkan Institute for Public Administration (I.I.P.A.) - Supreme Administration of Greek Civil Servants Trade Unions (ADEDY)

Position: **Trainer – Course Instructor**

Courses:

- Statistical Analysis of Data (trainees: doctors) (2012).

Technical Chamber of Greece

Thessaloniki, Greece

Funding: Technical Chamber of Greece – Section of Central Macedonia (TEE - TKM)

Position: **Trainer – Course Instructor**

Courses:

- Key performance indicators for companies (trainees: engineers) (2012).

Technical Chamber of Greece

Thessaloniki, Greece

Funding: Technical Chamber of Greece – Section of Central Macedonia (TEE - TKM)

Concessionaire: Lecturer Dr. Aidonis Dimitrios

Position: **Trainer – Course Instructor**

Courses:

- Business Logistics (trainees: engineers) (2012).

Greek Feedstuff Industries S.A. (ELVIZ S.A.)

Plati, Greece

Funding: Manpower Employment Organization of Greece (OAED)

Concessionaire: K.E.K. S.E.B.E. – S.B.B.E. – D.E.Th.

Position: **Trainer – Course Instructor**

Courses:

- Production Planning & Control – Warehouse Management (trainees: managers of ELVIZ S.A.) (2011).

Olympia Electronics S.A.

Kolindros, Greece

Funding: Manpower Employment Organization of Greece (OAED)

Concessionaire: Hellenic Management Association

Position: **Trainer – Course Instructor**

Courses:

- Business Logistics (trainees: managers of Olympia Electronics S.A.) (2010).

PUBLICATIONS

Monographs

1. **Keramydas, C.**, 2013. *Quantitative methods in supply chain management of substitute products and services*. Ph.D. Thesis.
Department of Mechanical Engineering, School of Engineering, Aristotle University of Thessaloniki, Greece.
Supervisor: Prof. E. Iakovou.
2. **Keramydas, C.**, 2012. *Markov and Semi-Markov stochastic processes in inventory control and supply chain risk management*. M.Sc. Thesis.
Department of Mathematics, School of Sciences, Aristotle University of Thessaloniki, Greece.
Supervisor: Prof. G. Tsaklidis.
3. **Keramydas, C.**, 2008. *Re-engineering of the maintenance system and the spare parts inventory management system of Thessaloniki's Port Authority (Th.P.A.) container terminal*. Diploma Thesis.
Department of Mechanical Engineering, School of Engineering, Aristotle University of Thessaloniki, Greece.
Supervisors: Prof. E. Iakovou, and Asst. Prof. D. Vlachos.

Monographs (ongoing)

4. **Keramydas, C.**, 2018 (expected). *Statistical analysis of road transport emissions*. MSc Thesis.
School of Science and Technology, Hellenic Open University, Greece.
Supervisor: Asst. Prof. S. Panagiotidou.

Refereed Articles in Scientific Journals and Book Chapters

1. **Keramydas, C.**, Mallidis, Dekker, R., Vlachos, D. and Iakovou, E., 2017. Cost and environmental trade-offs in supply chain network design and planning: The merit of a simulation-based approach. *Journal of Simulation*, 11(1), pp.20-29.
2. **Keramydas, C.**, Bechtsis, D., and Aidonis, D., 2016. Agent-based simulation for modeling supply chains: A comparative case study. *International Journal of New Technology and Research*, 2(10), pp.36-39.
3. **Keramydas, C.**, Tsolakis, N., and Aidonis, D., 2016. Small farm agrifood supply chains and sustainable food security in the developed world: A system dynamics methodology. *International Journal of Engineering Research and Science*, 2(12), pp.35-39.
4. Tsiolias, D., **Keramydas, C.**, Iakovou, E. and Vlachos, D., 2016. An up-to-date critical synthesis of supply chain risk mitigation strategies. *MIBES Transactions*, 10(1), pp.116-130.
5. **Keramydas, C.**, Papapanagiotou, K., Vlachos, D. and Iakovou, E., 2016. Risk management for agrifood chains. In: E. Iakovou, D. Bochtis, D. Vlachos and D. Aidonis, ed. 2015. *Supply chain management for sustainable food networks*. New York: Wiley, Ch.11.
6. **Keramydas, C.**, Tsiolias, D., Vlachos, D. and Iakovou, E., 2015. A simulation methodology for evaluating emergency sourcing strategies of a discrete part manufacturer. *International Journal of Data Analysis Techniques and Strategies*, 7(2), pp.141-155.
7. Aivazidou, E., **Keramydas, C.**, Toka, A., Vlachos, D. and Iakovou, E., 2015. A two-phase carbon footprint management framework: A case study on the rockwool supply chain. In: S. Muthu, ed. 2015. *The carbon footprint handbook*. London: Taylor and Francis Group, CRC Press, Ch.21.
8. Iakovou, E., Vlachos, D., **Keramydas C.** and Tsiolias D., 2015. Evaluation of emergency sourcing risk mitigation strategies for a discrete part manufacturer. *International Journal of Advanced Logistics*, 4(1), pp.37-46.

9. **Keramydas, C.**, Tsolakis, N., Vlachos, D. and Iakovou, E., 2014. A system dynamics approach towards food security in agrifood supply networks: A critical taxonomy of modern challenges in a sustainability context. *MIBES Transactions*, 8(1), pp.68-83.
10. Iakovou, E., Vlachos, D., **Keramydas C.** and Partch D., 2014. Dual sourcing for mitigating humanitarian supply chain disruptions. *Journal of Humanitarian Logistics and Supply Chain Management*, 4(2), pp.246-264.
11. Tsolakis, N., **Keramydas, C.**, Toka, A., Aidonis, D. and Iakovou, E., 2014. Agrifood supply chain management: A comprehensive hierarchical decision-making framework and a critical taxonomy. *Biosystems Engineering*, 120, pp.47-64.
12. Aivazidou, E., Iakovou, E., Vlachos D. and **Keramydas C.**, 2013. A novel methodological framework for supply chain carbon footprint management. *Chemical Engineering Transactions*, 35, pp.313-318.
13. Vlachos, D., Iakovou, E., **Keramydas, C.** and Anagnostopoulos, A., 2012. On the estimation of the necessary inventory for Hellenic public cord blood banks using simulation. *Operational Research*, 12(1), pp.57-68.
14. **Keramydas, C.**, Tsolakis, N., Xanthopoulos, A. and Aidonis, D. 2012. Selection and evaluation of 3pl providers: A conceptual decision-making framework. In: D. Folinas, ed. 2012. *Outsourcing management for supply chain operations and logistics services*. Hershey: IGI Global, Ch.16.
15. **Keramydas, C.**, Xanthopoulos, A. and Aidonis, D., 2011. A decision-making framework for the optimal selection of suppliers. *Operations and Supply Chain Management: An International Journal*, 4(2), pp.68-77.

Refereed Articles in Scientific Journals and Book Chapters (under review)

1. **Keramydas, C.**, Papadopoulos, G., Ntziachristos, L., Lo, T-S., Ng, K-L., Wong, H-L., A., Wong K-L., C., 2018. Real-world measurement of hybrid buses fuel consumption and pollutant emissions in a metropolitan urban road network. (submitted to *Applied Energy* on January 20th, 2018)

Refereed Articles in Conference Proceedings

1. **Keramydas, C.**, Papadopoulos, G., Ntziachristos, L., Lo, T-S., Ng, K-L., Wong, H-L., A., Wong K-L., C., 2017. Assessment of urban hybrid buses performance in a megacity network. In: *22nd International Transport and Air Pollution Conference (TAP 2017)*. Zürich, Switzerland, 15-16 November 2017.
2. Tsiolias, D., **Keramydas, C.**, Iakovou, E. and Vlachos, D., 2015. An up-to-date critical synthesis of supply chain risk mitigation strategies. In: *3rd Olympus International Conference on Supply Chains (ICSC)*. Athens, Greece, 07-08 November 2015.
3. Tsiolias, D., **Keramydas, C.**, Iakovou, E. and Vlachos, D., 2015. Big data and agricultural supply chains: opportunities for increased food security. In: *Hamburg International Conference of Logistics: Logistics and SCM – the next decade*. Hamburg, Germany, 24-25 September 2015.
4. **Keramydas, C.**, Mallidis, I., Vlachos D. and Iakovou, E., 2015. Cost and environmental trade-offs in supply chain network design and planning: The merit of a simulation-based approach. In: Association Simulation in German speaking countries (ASIM), *16th ASIM Dedicated Conference: Simulation in Production and Logistics*. Dortmund, Germany, 23-25 September 2015.
5. **Keramydas, C.**, 2015. Future challenges for the sustainable global food and nutrition security. In: FP7 GREEN-AgriChains Project, *1st International Conference of Agrifood SCM and Green Logistics*. Marmaras, Greece, 27-30 May 2015.
6. Tsiolias, D., **Keramydas, C.** and Iakovou, E., 2015. The role of big data in increasing food security for agricultural supply chains. In: FP7 GREEN-AgriChains Project, *1st International Conference of Agrifood SCM and Green Logistics*. Marmaras, Greece, 27-30 May 2015.
7. Iakovou, E., Vlachos, D., **Keramydas, C.** and Tsiolias, D., 2014. Emergency sourcing risk mitigation strategies for the supply chain of a discrete parts manufacturer. In: *7th European Conference on Transport Logistics (ECITL)*. Dortmund, Germany, 05-07 November 2014.

8. Tsiolias, D., **Keramydas, C.**, Vlachos, D., Partsch, D. and Iakovou, E., 2012. A Simulation Methodology for Evaluating Dual Sourcing Strategies of a Discrete Part Manufacturer. In: *12th Special Conference of the Hellenic Operational Research Society (HELORS)*. Kavala, Greece, 11-13 October 2014.
9. **Keramydas C.**, Tsolakis N., Vlachos D. and Iakovou E., 2014. Sustainable food security: A system dynamics decision-making methodology. In: *Hellenic Operational Research Society (HELORS), 25th National Conference & 3rd International Symposium on Operational Research*. Volos, Greece, June 26-28 2014.
10. **Keramydas C.**, Tsolakis N., Vlachos D. and Iakovou E., 2014. A system dynamics approach towards food security in agrifood supply networks: A critical taxonomy of modern challenges in a sustainability context. In: *Management of International Business and Economics Systems (MIBES) 2014 International Conference*. Thessaloniki, Greece, 30 May - 01 June 2014.
11. Aivazidou, E., Iakovou, E., Vlachos D. and **Keramydas C.**, 2013. A novel methodological framework for supply chain carbon footprint management. In: *The Italian Association of Chemical Engineering (AIDIC), 16th Conference Process Integration, Modelling and Optimization for Energy Saving and Pollution Reduction (PRES '13)*. Rhodes, Greece, 29 September - 02 October 2013.
12. **Keramydas, C.**, Tsolakis, N., Vlachos, D. and Iakovou, E., 2013. Revenue management of perishable products with dual sourcing and emergency orders. In: *Hellenic Operational Research Society (HELORS), 24th National Conference & 2nd International Symposium on Operational Research*. Athens, Greece, 26-28 September 2013.
13. Vlachos, D., Tsolakis, N., **Keramydas, C.** and Iakovou, E. Design of agrifood supply chains with dual sourcing and emergency replenishments. In: *Commission Internationale de l'Organisation Scientifique du Travail en Agriculture, CIOSTA XXXV Conference*. Billund, Denmark, 03-05 July 2013.
14. Tsolakis, N., **Keramydas, C.**, Toka, A., Aidonis, D. and Iakovou, E., 2012. Supply chain management for the agri-food sector: A critical taxonomy. In: *2nd Olympus International Conference on Supply Chains (ICSC)*. Katerini, Greece, 05-06 October 2012.
15. Partch, D., **Keramydas, C.**, Vlachos, D. and Iakovou, E., 2012. A simulation based risk methodology to calculate the cost to recuperate from a supply chain disruption with a dual-sourcing mitigation strategy. In: *2nd Olympus International Conference on Supply Chains (ICSC)*. Katerini, Greece, 05-06 October 2012.
16. Iakovou, E., Vlachos, D., Tsolakis, N. and **Keramydas, C.**, 2012. A system dynamics approach towards the role of innovation in fostering trade and regional development throughout Southeastern Europe. In: *International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD 2012)*. Sofia, Bulgaria, 01-02 June 2012.
17. **Keramydas, C.**, Vlachos, D. and Iakovou, E., 2012. Optimal order fulfilment policies for a ceramic tiles manufacturer. In: *Operational Research Society (ORS), 6th Simulation Workshop 2012 (SW12)*. Worcestershire, UK, 27-28 March 2012.
18. **Keramydas, C.**, Vlachos, D. and Iakovou, E., 2011. The impact of various customer order fulfilment policies for a ceramic tiles manufacturer. In: *4th International Conference in Manufacturing Engineering (ICMEN)*. Thessaloniki, Greece, 03-05 October 2011.
19. **Keramydas, C.**, Xanthopoulos, A. and Aidonis, D., 2010. A decision-making framework for the optimal selection of suppliers. In: *1st Olympus International Conference on Supply Chains (ICSC)*. Katerini, Greece, 02 October 2010.
20. **Keramydas, C.**, Iakovou, E. and Vlachos, D., 2010. Maintenance and spare parts management: the case of Thessaloniki's port authority container terminal. In: *1st Olympus International Conference on Supply Chains (ICSC)*. Katerini, Greece, 02 October 2010.
21. **Keramydas C.**, Vlachos D. and Iakovou E., 2010. Design of the Hellenic public cord blood bank network. In: *Management of International Business and Economics Systems (MIBES) 2010 International Conference*. Kavala, Greece, 04-06 June, 2010.
22. Vlachos, D., Iakovou, E., **Keramydas, C.**, Ypsilantis, P. and Anagnostopoulos, A., 2009. Capacity planning for the Greek system of cord blood banks using simulation. In: *Hellenic Operational Research Society (HELORS), 21st National Conference of Hellenic Operational Research Society*. Athens, Greece, 28-30 May 2009.

23. **Keramydas, C.**, 2009. Re-engineering of the Maintenance System and the Spare Parts Inventory Management System of Thessaloniki's Port Authority Container Terminal. In: *6th Student Conference of Management Science and Technology (FSDET)*. Athens, Greece, 07 May 2009.

Conference Abstracts

1. **Keramydas, C.**, Iakovou, E. and Vlachos, D., 2015. Market share recovery dynamics in the aftermath of substitute supply chains disruptions: A system dynamics approach. In: European Association of Operational Research Societies (EURO), *27th European Conference on Operational Research (EURO)*. Glasgow, UK, 12-15 July 2015.
2. Tsiolias, D., **Keramydas, C.** and Iakovou, E., 2015. Big data ramifications on increasing food security for agricultural supply chains. In: *12th Student Conference of Management Science and Technology (FSDET)*. Athens, Greece, 14 May 2015.
3. Tsolakis, N., **Keramydas, C.** and Vlachos, D., 2015. Food security challenges and the role of small farms in fostering sustainability in the developed world: A critical discussion. In: Hellenic Open University, *International Conference on Business & Economics of the Hellenic Open University 2015*. Athens, Greece, 06-07 February 2015.
4. Vlachos, D., **Keramydas, C.**, Tsolakis, N. and Iakovou, E., 2014. The role of small farms in sustainable food security: A system dynamics approach. In: Operational Research Society (ORS), *56th Conference of the ORS (OR56)*. Surrey, UK, 09-11 September 2014.
5. Vlachos, D., **Keramydas, C.**, Tsolakis, N., and Iakovou, E., 2014. Design of cost efficient, sustainable and secure food supply chains. In: International Federation of Operational Research Societies (IFORS), *20th Conference of the IFORS*. Barcelona, Spain, 13-18 July 2014.
6. **Keramydas, C.**, Anagnostopoulos, A., Vlachos, D., Iakovou, E., Spyropoulou-Vlachou, M., Varla-Lefterioti, M. and Stavropoulos-Giokas, C., 2010. Hellenic umbilical cord blood bank network. In: European Hematology Association (EHA), *15th Congress of the European Hematology Association*. Barcelona, Spain, 10-13 June 2010.
7. Vlachos, D., Iakovou, E., **Keramydas, C.**, Spyropoulou-Vlachou, M., Varla-Lefterioti, M., Stavropoulos-Giokas, C. and Anagnostopoulos, A., 2010. Hellenic umbilical cord blood bank network. In: Hellenic Society of Hematology (HSH), *20th PanHellenic Conference*. Heraklio, Greece, 04-07 November 2009.

Summer Schools

1. Vlachos, D., **Keramydas, C.**, Tsolakis, N. and Iakovou, E., 2013. Design of agrifood supply chains with dual-sourcing and emergency replenishments. In: *International Federation of Purchasing and Supply Management, IFPSM Summer School 2013*. Salzburg, Austria, 04-09 July 2013.

SUPERVISOR

Master Theses (Post-graduate studies)

- Mavropoulos, L., 2018. *Vehicle routing in a retail company*. Department of Logistics, School of Administration and Economics, Technological Educational Institute of Central Macedonia, Katerini, Greece
- Ioannidou, A., 2018 (ongoing). *Purchasing in the public sector: Framework, future challenges and policies*. Department of Logistics, School of Administration and Economics, Technological Educational Institute of Central Macedonia, Katerini, Greece

Diploma Theses (Pre-graduate studies)

Diploma Theses

Boukouvalas, A., 2015. *The Cherry Supply Chain: The case of Protofanousis S.A. – Appraisal of potential investments in its production process*. School of Engineering, Department of Mechanical Engineering, Aristotle University of Thessaloniki. Supervisor: Assoc. Prof. D. Vlachos.

Tsiolias, D., 2014. *Supply chain risk management: The emergency sourcing strategy*. School of Engineering, Department of Mechanical Engineering, Aristotle University of Thessaloniki. Supervisors: Prof. E. Iakovou, and Assoc. Prof. D. Vlachos.

Aivazidou, I., 2013. *A methodological framework for carbon footprint management in supply chains: The case of FIBRA S.A*. Diploma. School of Engineering, Department of Mechanical Engineering, Aristotle University of Thessaloniki. Supervisor: Prof. E. Iakovou, and Prof. A. Papadopoulos.

Student Theses

Grigoropoulos, G., 2012. *Evaluation and selection of suppliers: The method of combining Analytical Hierarchical Process (AHP) and Linear Programming*. Student Thesis. School of Engineering, Department of Mechanical Engineering, Aristotle University of Thessaloniki. Supervisor: Prof. E. Iakovou.

REFEREE

Scientific Journals

- European Journal of Operational Research
- Operational Research
- Journal of Humanitarian Logistics and Supply Chain Management
- Sustainability
- Renewable Agriculture and Food Systems
- Agricultural Engineering International: CIGR Journal
- Journal of Bioengineering & Biomedical Science
- International Journal of Business Science & Applied Management
- Journal of Agricultural Extension and Rural Development
- American Society of Science and Engineering
- Arabian Journal of Business and Management Review
- International Journal of Agricultural Management
- International Journal of Economics and Management Sciences
- Journal of Bioengineering & Biomedical Science

Scientific Conferences

- 4th International Conference on Supply Chains, Katerini, Greece, September 2018.
- INNECO 2106, Conference Scientific Committee, Thessaloniki, Greece, December 16-18, 2016.
- 25th National Conference on Operational Research, Hellenic Operational Research Society, Volos, Greece, June 26-28, 2014.
- 2nd International Conference on Supply Chains, Katerini, Greece, 5-6 October, 2012.

ORGANIZATION COMMITTEE

Scientific Conferences

- 4th International Conference on Supply Chains, Katerini, Greece, September 2018.
- INNECO 2106, Conference Scientific Committee, Thessaloniki, Greece, December 16-18, 2016.

PROJECTS

Ongoing/ Finished Projects

01/ 2018 – 06/2018

Assessment of City Logistics Transportation Emissions Using Simulation

- Funding: EMISIA S.A.
- Contract with: Technological Educational Institute of Central Macedonia
- Project Manager: Keramydas Christos
- Scientific Field: Road transport emissions, Environment, Air-pollution, Data analysis

07/ 2017 – 12/2017

Provision of Services for Analysing Vehicle Emission Data collected by Portable Emission Measuring Systems II

- Funding: Environmental Protection Agency (Hong Kong)
- Contract with: EMISIA S.A.
- Project Manager: Mellios George
- Position: Data Analysis Manager
- Scientific Field: Road transport emissions, Environment, Air-pollution, Data analysis

09/ 2016 – 06/2017

Provision of Services for Analysing Vehicle Emission Data collected by Portable Emission Measuring Systems I

- Funding: Environmental Protection Agency (Hong Kong)
- Contract with: EMISIA S.A.
- Project Manager: Mellios George
- Position: Data Analysis Manager
- Scientific Field: Road transport emissions, Environment, Air-pollution, Data analysis

07/ 2013 – 03/2016

Innovation Capacity Building by Strengthening Expertise and Research in the Design, Planning and Operations of Green Agrifood Supply Chains

- Programme: FP7
- Funding: European Commission
- Thematic Area: Green Supply Chain Management and Logistics
- Project Coordinator: Prof. Eleftherios Iakovou – Aristotle University of Thessaloniki
- Project Manager: Assoc. Prof. Dimitrios Vlachos
- Budget: €1,500,000
- Proposal acronym: GREEN-AgriChains
- Position: Senior Researcher
- Field: Supply Chain Management and Logistics

11/ 2015 – 05/2016

Evaluation of Techniques and Technologies Used to Reduce the Environmental Footprint of Poultry

- Contract: Engineers for Business – Business Consultants
- Position: Senior Researcher
- Field: Investments Appraisal, Environmental Footprint

10/ 2015 – 06/ 2016

Innovation Capacity Building by Strengthening Expertise and Research in the Design, Planning and Operations of Green Agrifood Supply Chains

- Funded by: General Secretariat for Research and Technology, Greek Ministry of Education
- Contract with: Aristotle University of Thessaloniki, Greece
- Project Manager: Assoc. Prof. Dimitrios Vlachos
- Position: Senior Researcher
- Field: Supply chain management, Logistics

- 07/2015 – 09/2015 **Network of Emblematic Mediterranean Mountains**
- Programme: Leader
 - Funded by: Pieriki Anaptixiaki S.A.
 - Contract with: Technological Educational Institute of Central Macedonia
 - Position: Senior Researcher
 - Field: Supply chain management
- 11/ 2012 – 03/ 2014 **SustainDiesel: Improvement of Sustainability in Diesel Production Technology**
- Funded by: General Secretariat for Research and Technology, Greek Ministry of Education
 - Project contractor: Aristotle University of Thessaloniki
 - Project manager: Prof. Zisis Samaras
 - Position: Senior Researcher
 - Field: Data analysis, Vehicle emissions
- 11/ /2012 – 07/ 2014 **Development of OBD Logic for DPF Diagnostics Using Stoneridge Soot Sensor**
- Funded by: Stoneridge Inc.
 - Project contractor: Aristotle University of Thessaloniki
 - Project manager: Prof. Zisis Samaras
 - Position: Senior Researcher
 - Field: Data analysis, Vehicle emissions
- 12/ 2013 **Framework Contract for the Provision of Consultancy Services in the Field of On-board Diagnostics**
- Funded: European Commission, DG Enterprise
 - Project Manager: with Prof. Zisis Samaras
 - Position: Senior Researcher
 - Field: Data analysis, Vehicle emissions
- 01/ 2013 – 02/ 2013 **Upgrading the Research and Educational Infrastructure of the Mechanical Engineering Department (Aristotle University of Thessaloniki)**
- Funded by: Aristotle University of Thessaloniki
 - Project Manager: Prof. Nikolaos Mousiopoulos
 - Position: Assistant Researcher
 - Field: Education, Science
- 03/ 2010 – 07/ 2012 **Research Activities of the Laboratory of Statistics and Quantitative Analysis of the Aristotle University of Thessaloniki**
- Funded by: Aristotle University of Thessaloniki
 - Project contractor: Laboratory of Statistics and Quantitative Analysis
 - Project manager: Prof. Eleftherios Iakovou
 - Position: Assistant Researcher
 - Field: Education, Science
- 1/ 2011 – 12/ 2011 **Warehouse Management in Olympia Electronics S.A.**
- Funded by: Olympia Electronics S.A.
 - Project Manager: Christos Keramydas – Dimitrios Folinas
 - Position: Researcher
 - Field: Supply Chain Management

10/ 2011 Development on an ISO9001:2008 system

- Funded by: Meropi Antoniou Papakyriaki
- Project Manager: Keramydas Christos
- Field: Quality assurance systems

03/ 2011 – 07/ 2011 Feasibility Study for Developing a Thermal Tourism Center in Therma (Municipality of Visaltia)

- Funded by: Educational and Cultural Association of Therma
- Project contractor: Technological Educational Institute of Thessaloniki
- Project manager: Lecturer, Dimitris Aidonis
- Position: Researcher
- Field: Investments appraisal

11/ 2008 – 12/ 2009 Recent Research Developments in Mechanical Engineering Science

- Funded by: Department of Mechanical Engineering, Aristotle University of Thessaloniki
- Project Contractor: Aristotle University of Thessaloniki
- Project Manager: Prof. Eleftherios Iakovou
- Position: Researcher
- Field: Education, Science

10/ 2008 – 03/ 2009 Design of the Hellenic Public Cord Blood Banks Network

- Funded by: Hellenic Society of Haematology
- Project contractor: Aristotle University of Thessaloniki
- Project manager: Prof. Eleftherios Iakovou
- Position: Senior Researcher
- Field: Medicine, Operational Research

09/ 2008 – 12/ 2008 Feasibility Study for the Decentralization of Part of the Aristotle University of Thessaloniki Services to the School of Engineering

- Funded by: Aristotle University of Thessaloniki
- Project contractor: Deanery of the School of Engineering
- Project manager: Prof. Eleftherios Iakovou
- Position: Assistant Researcher
- Field: Education

WORK EXPERIENCE (other)**09/2016 – 12/2017 Data Analysis Manager**

Emisia S.A., Antoni Tritsi 21, 570 01, Thessaloniki, Greece

- Data analysis, Vehicle emissions, Air-pollution

[Environmental and Energy Studies](#)

07/2016 – 08/2016 Mechanical Engineer

Power Public Corporation S.A., Chalkokondili 22, 104 32, Athens, Greece

- Directorate of Materials and Purchasing – Department of Project Contracts and Services
- Succeed in ASEP National Competition 1K/2015

[Electric Energy – Purchasing](#)

08/2015 – 08/2016 **Mechanical Engineer**
Engineers for Business (EfB) E.K.E., Doiranis 17, 546 24, Thessaloniki, Greece

- Research Projects Management – Business Consultants – Business Plans
- Proposal submissions – Execution of research programmes

Research Programmes

10/2008 – 05/2017 **Mechanical Engineer**
Freelancer
 Mechanical Engineering, Supply Chain Management

07/ 2008 – 09/ 2008 **Private Employee**
BOUKOUVALAS S.A.

- Internship

Publishing - Printing - Graphic Arts

POSITIONS (other)

06/ 2014 **Quality Management Officer**
 Laboratory of Statistics and Quantitative Analysis Methods (Logistics and Supply Chain Management-LASCM), Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece

- ISO 9001:2008

Quality Assurance

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
University of Michigan: Certificate of Proficiency in English (2014) City & Guilds: IESOL mastery and IESOL mastery (2014)					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Computer skills

Software

General applications

- MS Office (MS Word, MS Excel, MS Visio)

Internet:

- Internet Explorer
- Mozilla Firefox
- Google Chrome

Supply Chain Management:

- IBM ILOG

Statistics/ Data Analysis:	<ul style="list-style-type: none">▪ IBM SPSS 24▪ Minitab 18▪ PASW 14▪ STATA 14▪ Gpower 3.1▪ Sigma Zone DOE Pro XL,▪ Sigma Zone SPC XL
Simulation:	<ul style="list-style-type: none">▪ Arena 14▪ Crystal Ball 11.0▪ Powersim 10.0
Mathematical Programming:	<ul style="list-style-type: none">▪ LINDO▪ WinQSB▪ Excel Solver
Mathematics:	<ul style="list-style-type: none">▪ Wolfram Mathematica 8.0
Project Management:	<ul style="list-style-type: none">▪ MS Project 2013▪ Primavera
Multi-criteria Analysis:	<ul style="list-style-type: none">▪ Electre III
Renewable Energy Management:	<ul style="list-style-type: none">▪ RETScreen International
Programming Languages:	<ul style="list-style-type: none">▪ R programming language

SCHOLARSHIPS

- 01/2014 – 12/2014 **Excellence Scholarship for Post-Doctoral Research**
Aristotle University of Thessaloniki, Thessaloniki, Greece
- The role of agrifood supply chain networks in food and nutrition security
- 09/2016 – 06/2017 **Excellence Scholarship for Post Graduate Studies**
School of Science and Technology, Hellenic Open University, Patra, Greece
- Excellence Scholarship for the achievements during the 1st Year of Studies
- 11/2015 – 07/2016 **Teaching Fellowship**
Aristotle University of Thessaloniki, Thessaloniki, Greece
- Course Lecturer in Operational Research I
 - Course Lecturer in Supply Chain Management

AWARDS

- 12/ 2013 **Honorary Awards for Master Graduate Students**
Department of Mathematics, Aristotle University of Thessaloniki, Thessaloniki, Greece
- Honorary Award for Master's Graduation
 - Awards Event: The Andreas Empirikos Hall, School of Sciences, Thessaloniki, Greece
- 07/ 2012 **Excellence Award for Graduate Engineering Students**
Technical Chamber of Greece, Athens, Greece
- Graduate Engineering Students Award: for graduating third (3rd) in his class
- 10/ 2010 **Diploma Thesis Award**
European Federation of National Maintenance Societies (EFNMS), Brussels, Belgium

- Best Greek Diploma Thesis Award (in Maintenance): in the context of the "EFNMS Excellence Awards for Master Thesis in Maintenance and closely related topics".
- Diploma thesis title: Re-engineering of the Maintenance System and the Spare Parts Inventory Management System of Thessaloniki's Port Authority Container Terminal
- Awards Event: 6th Maintenance FORUM, Hellenic Maintenance Society, Athens, Greece.

CONFERENCES & SEMINARS

Conferences

- 07-08 November 2015, 3rd Olympus International Conference on Supply Chains (ICSC). Athens, Greece.
- 23 September - 25 September 2015, 16th ASIM Dedicated Conference, Simulation in Production and Logistics. Dortmund, Germany.
- 12 July - 15 July 2015, 27th European Conference on Operational Research. Glasgow, UK.
- 27 May - 30 May 2015, 1st International Conference of Agrifood SCM and Green Logistics. Marmaras, Greece.
- 14 May 2015, 12th Student and Doctoral Conference in Management Science and Technology, Athens, Greece.
- 6 February - 7 February 2015, International Conference on Business & Economics of the Hellenic Open University 2015. Athens, Greece.
- 05 November – 07 November, 2014, 7th European Conference on Transport Logistics. Dortmund, Germany.
- 09 September - 11 September 2014, Operational Research Society (ORS), 56th Conference of the ORS. Surrey, UK.
- 13 July – 18 July 2014, 20th Conference of the International Federation of Operational Research Societies, Barcelona, Spain.
- 26 June – 28 June 2014, 25th National Conference on Operational Research, Hellenic Operational Research Society, Volos, Greece.
- 30 May – 01 June 2014, MIBES 2014 International Conference, Thessaloniki, Greece.
- 29 September – 02 October 2013, 16th Conference in Process Integration, Modeling and Optimization for Energy Saving and Pollution Reduction, Rhodes, Greece.
- 26 September – 28 September 2013, 24th National Conference of the Hellenic Operational Research Society, Athens, Greece.
- 29 July – 30 July 2013, Institute for Operations Research and the Management Sciences (INFORMS) Manufacturing and Operations Management Conference (MSOM 2013), INSEAD, Fontainebleau, France.
- 11 October – 13 October 2012, 12th Special Conference of the HELORS, Kavala, Greece.
- 05 October – 07 October 2012, 2nd International Conference on Supply Chains, Katerini, Greece.
- 01 June – 02 June 2012, International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD 2012), Sofia, Bulgaria.
- 27 March – 28 March 2012, Operational Research Society: 6th Simulation Workshop 2012 (SW12), Worcestershire, UK.
- 03 October – 05 October 2011, 4th International Conference in Manufacturing Engineering (ICMEN), Thessaloniki, Greece.
- 14 October – 16 October 2010, 6th Maintenance FORUM, Hellenic Maintenance Society, Athens, Greece.
- 03 October – 05 October 2011, 4th International Conference in Manufacturing Engineering (ICMEN), Thessaloniki, Greece.
- 14 October – 16 October 2010, 6th Maintenance FORUM, Hellenic Maintenance Society, Athens, Greece.
- 01 October – 02 October 2010, 1st International Conference on Supply Chains, Katerini, Greece.
- 10 June – 13 June 2010, 15th Congress of the European Hematology Association, Barcelona, Spain.
- 04 November – 07 November 2009, 20th Panhellenic Congress of Haematology, Heraklion, Greece.
- 28 May – 30 May 2009, 21st National Conference of Hellenic Operational Research Society, Athens, Greece.
- 07 May 2009, 6th Student and Doctoral Conference in Management Science and Technology, Athens, Greece.
- 21 November – 22 November 2008, 12th Panhellenic Logistics Conference, Thessaloniki, Greece.

Seminars

- June 2016, Public Power Corporation (Greece), Basic training.
- 16 October 2015, EQA Quality Assurance

- January 2015, Training in ISO 9001:2008.
- 16 April – 17 April, 2013, Training on IBM LogicNet Plus, Aristotle University of Thessaloniki.
- February – May, 2012, How to Write a Scientific Paper, Aristotle University of Thessaloniki, School of English Literature.
- 19 January – 23 January 2009, 7th Programme of Short Term Training Seminars in “Natural Gas – Law – New Urban Applications”, Technical Chamber of Greece, Branch of Central Macedonia.

ARTICLES IN MAGAZINES

December 2010

- “Design of the Hellenic Public Cord Blood Banks Network (Stem-cell Bank)”, co-authors Iakovou Eleftherios, and Vlachos Dimitrios, *Logistics and Management*.

INVITED SPEAKER

Events

- “Healthcare Supply Chain and Transplants”, Lectures Program (Winter 2009 – 2010), Logistics Department, Technological Educational Institute of Thessaloniki, Katerini, Greece
- “Dual sourcing for perishable products”, 1st Workshop, Green-Agrichains FP7 Project, Thessaloniki, 22-26 September, 2013.
- “Sustainable Food Security: A System Dynamics Decision-Making Methodology”, 3rd Workshop, Green-Agrichains FP7 Project, Thessaloniki, 01-05 June, 2014.
- “The Role of Small Farms in Sustainable Food Security: A System Dynamics Approach”, 4th Workshop, Green-Agrichains FP7 Project, Thessaloniki, 17-18 November, 2014.

AKNOWLEDGEMENTS

- For the consulting regarding the statistical analysis in the PhD thesis: Manolopoulos, S., (2011), Contribution of Doppler flowmetry in the study of local changes caused by the influence of local dental anesthetic solutions in the blood flow. School of Dentistry, Aristotle University of Thessaloniki.
- For the consulting regarding the statistical analysis in the PhD thesis: Panagiotopoulos Spyridon (2012), Medicine School, University of Patra, Greece

MEMBERSHIPS

- Greek Society of Logistics – Northern Greece, Member of the Administrative Board
- Operational Research Society (UK), Member
- Technical Chamber of Greece, Member
- Mechanical and Electrical Engineers Association of Northern Greece, Member
- Post-Graduate Students and PhD Candidates Association of the Mechanical Engineering Department, Aristotle University of Thessaloniki, Former Secretary General