



Europass Curriculum Vitae

Personal information

Surname / First name **Charisios Achillas**

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E-mail c.achillas@ihu.edu.gr / achillas@aix.meng.auth.gr

Nationality Hellenic

Date of birth 22/07/1976

Gender Male; father of three children

Work experience

Dates May 2011 - present

Occupation or position held Academic Coordinator - Researcher

Main activities and responsibilities

- Academic coordination of 10 SEBALS postgraduate courses; Executive MBA, MSc in Management, MSc in Banking & Finance, MSc in Environmental Management and Sustainability, MSc in Strategic Product Design, MSc in International Accounting, Auditing, and Financial Management, LLM in Transnational and European Commercial Law, Mediation, Arbitration and Energy Law, MA in Art, Law and Economy, MSc in Energy Law and Economics, Regulation and Policy, MSc in Hospitality and Tourism Management (March 2015 – today)
- Coordination of postgraduate courses “MSc in Strategic Product Design” and “MSc in Sustainable Development” (March 2014 – February 2015)
- Assistance in postgraduate course “MSc in Strategic Product Design” (May 2011 – March 2014)
- Teaching of “Project Management” module in postgraduate course “MSc in Strategic Product Design” (30 hours), “MSc in Management” and “MSc in Banking and Finance” (16 hours)
- Participation in educational and laboratory activities of the School of Economics & Business Administration at the International Hellenic University
- Proposal submissions for participation in European and Hellenic Research Projects

Name and address of employer International Hellenic University, School of Economics, Business Administration & Legal Studies, GR 57001, Thessaloniki, Greece

Type of business or sector Academia

Dates March 2003 - present

Occupation or position held Researcher

Main activities and responsibilities

- Participation in European and Hellenic Research Projects
- Participation in educational and laboratory activities of the Laboratory of Heat Transfer and Environmental Engineering
- Teaching Assistant in the following modules: Heat Transfer (5th semester), Environmental Protection Engineering (8th semester), Mechanical Engineering Department, Aristotle University Thessaloniki
- Supervisor of 13 diploma theses
- Expertise in proposal submissions under various national and European research programmes (e.g. Horizon 2020, FP7, FP6, INTERREG, LIFE+)

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| Name and address of employer | Mechanical Engineering Department, Aristotle University, GR 54124, Thessaloniki, Greece |
| Type of business or sector | Academia |
| Dates | March - June 2005 |
| Occupation or position held | Visiting Lecturer |
| Main activities and responsibilities | <ul style="list-style-type: none"> ▪ Teaching module "Supply Chain Management" (MSc in Logistics) |
| Name and address of employer | Technological Educational Institute of Central Macedonia, Branch of Katerini, Department of Logistics, GR 60100, Katerini, Greece |
| Type of business or sector | Academia |
| Dates | October 2013 - February 2014 |
| Occupation or position held | Visiting Lecturer |
| Main activities and responsibilities | <ul style="list-style-type: none"> ▪ Teaching module "Supply Chain Management" (3rd semester) |
| Name and address of employer | Technological Educational Institute of Central Macedonia, Branch of Katerini, Department of Logistics, GR 60100, Katerini, Greece |
| Type of business or sector | Academia |
| Dates | March - June 2011, October 2011 - February 2012, October 2012 – July 2013 |
| Occupation or position held | Visiting Lecturer |
| Main activities and responsibilities | <ul style="list-style-type: none"> ▪ Teaching module "Supply Chain Management" (5th semester) |
| Name and address of employer | Alexander Technological Educational Institute, Branch of Katerini, Department of Logistics, GR 60100, Katerini, Greece |
| Type of business or sector | Academia |
| Dates | February 2012 – December 2013 |
| Occupation or position held | Visiting Lecturer |
| Main activities and responsibilities | <ul style="list-style-type: none"> ▪ Teaching in seminar "Building Energy Efficiency" |
| Name and address of employers | KEK Thalys, Katerini, Greece KEK KAELE, Alexandria, Greece KEK EKPA, Thessaloniki, Greece KEK EKPA, Lagadas, Greece KEK IDEA, Thessaloniki, Greece |
| Type of business or sector | Academia |
| Dates | November 2013 - present |
| Occupation or position held | Manager |
| Main activities and responsibilities | Environmental Engineering, Environmental Informatics |
| Name and address of employer | Meco P.C., Technopolis ICT Business Park, Box 60756, GR 57001, Thermi, Greece |
| Type of business or sector | Research & Development |
| Dates | February 2014 - present |
| Occupation or position held | Partner |
| Main activities and responsibilities | Consulting |
| Name and address of employer | Engineers for Business (EfB) P.C., Monastiriou 85, GR 54627, Thessaloniki, Greece |
| Type of business or sector | Research & Development |

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| Dates | September 1999 - present |
| Occupation or position held | Mechanical Engineer |
| Main activities and responsibilities | Private and Public Works-Construction licenses, Building Construction studies, Environmental Impact Assessment studies |
| Name and address of employer | Self-employed, 114 K. Karamanli ave., GR 54248, Thessaloniki, Greece |
| Type of business or sector | Construction |
| Dates | September 1999 - September 2000 |
| Occupation or position held | Mechanical Engineer |
| Main activities and responsibilities | Private and Public Works-Construction licenses, Building Construction studies |
| Name and address of employer | Roptron Technical Company, 45 Karakasi str., GR 54248, Thessaloniki, Greece |
| Type of business or sector | Construction |
| Dates | April 1998 - September 1999 |
| Occupation or position held | Student - Mechanical Engineering |
| Main activities and responsibilities | Maintenance audits in 15 Greek industries in the framework of the dissertation for the Diploma in Mechanical Engineering |
| Name and address of employer | - |
| Type of business or sector | Academia |
| Dates | July - August 1997 |
| Occupation or position held | Mechanical Engineer Trainee |
| Main activities and responsibilities | Designing of heat exchangers and pressure vessels, Pipelines isometric designs |
| Name and address of employer | Hellenic Petroleum - Department of Mechanical Maintenance, Box 100 44, GR 54110, Thessaloniki, Greece |
| Type of business or sector | Industry |
| Education and training | |
| Dates | 2011 - 2012 |
| Title of qualification awarded | Post-doctorate research (scholarship) |
| Principal subjects/occupational skills covered | Development of environmental tools for the optimal decision making for the integrated management of Waste Electrical and Electronic Equipment |
| Name and type of organisation providing education and training | Mechanical Engineering Department, Aristotle University Thessaloniki, Greece |
| Dates | 2003 - 2009 |
| Title of qualification awarded | Doctorate |
| Principal subjects/occupational skills covered | End of life management of industrial products based on environmental and economic criteria Optimisation of the reverse supply chain network |
| Name and type of organisation providing education and training | Mechanical Engineering Department, Aristotle University Thessaloniki, Greece |
| Dates | 2000 - 2001 |
| Title of qualification awarded | MSc Engineering Project Management (with Distinction) - Grade: 72/100 |
| Principal subjects/occupational skills covered | Project Management - Structural Engineering |
| Name and type of organisation providing education and training | U.M.I.S.T., Manchester, U.K. |

Dates 1994 - 1999
 Title of qualification awarded Diploma in Mechanical Engineering (Equivalent to MSc)
 Principal subjects/occupational skills covered Mechanical Engineering
 Name and type of organisation providing education and training Mechanical Engineering Department, Aristotle University Thessaloniki, Greece

Dates 1982-1994
 Title of qualification awarded Apolitirion (Baccalaureat)
 Principal subjects/occupational skills covered Primary and Secondary Education
 Name and type of organisation providing education and training Thessaloniki, Greece

Personal skills and competences

Mother tongue **Greek**

Other languages

Self-assessment
European level ()*

English

German

| Understanding | | | | Speaking | | | | Writing | |
|---------------|------------------|---------|------------------|--------------------|-----------------|-------------------|-----------------|---------|-----------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user |
| B1 | Independent user | B1 | Independent user | A2 | Basic user | A2 | Basic user | A2 | Basic user |

(*) *Common European Framework of Reference for Languages*

Driving license Category B

Additional information

- Memberships:
- Technical Chamber of Greece (March 2000)
 - The University of Manchester Alumni (April 2002)
 - Association of Mechanical & Electrical Engineers of Northern Greece (May 2003)
 - Hellenic Association of Mechanical & Electrical Engineers (December 2005)
 - Alumni of the Aristotle University Thessaloniki Polytechnic School (December 2007)
 - Greek Association of Supply Chain Management (February 2012)
 - Record of energy inspectors - Ministry of Environment, Energy and Climate Change (December 2013)
 - Union of Hellenic Scientists for Prototypation and Standardization - ENEPROT (May 2015)

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| Committees: | <ul style="list-style-type: none"> ▪ Environmental Committee of the Technical Chamber of Greece/Section of Central Macedonia (2007-2014) ▪ Evaluation Committee of the Regional Operational Programme "Strengthening the Competitiveness and Innovation of Small and Medium-sized enterprises (SMEs) that activate in the sectors of trade and services, with the exception of tourist accommodation" – Hellenic Ministry of Economy and Finance (2007-2008) ▪ Public works awarding Committee as a representative of the Technical Chamber of Greece (2008-today) ▪ Evaluation Committee of the Operational Programme for Competitiveness and Entrepreneurship "Manufacturing" – Hellenic Ministry of Regional Development and Competitiveness (2011) ▪ Evaluation Committee of the Operational Programme for Competitiveness and Entrepreneurship "Sustainable tourism" - Hellenic Ministry of Culture and Tourism (2011) ▪ Evaluation Committee of the Operational Programme for Competitiveness and Entrepreneurship "Innovative Entrepreneurship" - Hellenic Ministry of Economy, Competitiveness and Shipping (2012) ▪ Evaluation Committee of the Operational Programme for Competitiveness and Entrepreneurship "Alternative tourism" - Hellenic Ministry of Culture and Tourism (2012) ▪ Evaluation Committee of the Operational Programme for Competitiveness and Entrepreneurship "Strengthening the Competitiveness of Small and Medium-sized enterprises (SMEs) that activate in the sectors of manufacturing, tourism, trade and services" - Hellenic Ministry of Development & Competitiveness (2013) ▪ Evaluation Committee of the Operational Programme for Competitiveness and Entrepreneurship "Extraversion - Competitiveness of Enterprises (II)" - Hellenic Ministry of Development, Competitiveness, Infrastructure, Transport and Networks (2013) ▪ Member of the Board of Directors of the Greek Association of Supply Chain Management (2014-today) ▪ Evaluation Committee of the Erasmus+ 2014-2020 – Youth Programme (2014-today) ▪ Member of the EU Technical Working Group for the EMAS Sectoral Reference Document on Best Environmental Management Practices for the Electrical and Electronic Equipment Manufacturing Sector (2015) |
| Distinctions: | <ul style="list-style-type: none"> ▪ Scholarship from Greek State Scholarships Foundation for post-doctorate studies in Mechanical Engineering, February 2011 - January 2012 ▪ Second highest grade at the postgraduate course "MSc Engineering Project Management" of U.M.I.S.T. university, Manchester, U.K., September 2001 ▪ Scholarship from Greek State Scholarships Foundation for achieving the highest grades in Panhellenic examinations for entering Greek universities (Aristotle University Thessaloniki, Department of Mechanical Engineering), September 1994 (Grades: Mathematics 160/160, Physics 158/160, Chemistry 125/160, Composition 142/160) |
| Member of Book Editorial Board | <ul style="list-style-type: none"> ▪ Outsourcing Management for Supply Chain Operations and Logistics Services, IGI Global, August 2012 |
| Member of Conference Organising Committees | <ul style="list-style-type: none"> ▪ 2nd International Exergy, Life Cycle Assessment, and Sustainability Workshop & Symposium (ELCAS-2), Nisyros, Greece, 19-21 June 2011 ▪ 2nd Olympus International Conference on Supply Chains, Katerini, Greece, 5-6 October 2012 ▪ 1st Designing Creative Synergies conference, Thessaloniki, Greece, 18 May 2013 ▪ 2nd Designing Creative Synergies conference, Thessaloniki, Greece, 28 April 2014 ▪ 3rd Olympus International Conference on Supply Chains, Athens, Greece, 7-8 November 2015 ▪ 3rd Designing Creative Synergies conference, Thessaloniki, Greece, 21-22 March 2016 ▪ Innovative Manufacturing Engineering & Energy International Conference, Kallithea Chalkidiki, Greece, 23-25 September 2016 |

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| Reviewer for international scientific environmental journals: | <ul style="list-style-type: none"> ▪ Waste Management ▪ Resources, Conservation & Recycling ▪ Waste Management & Research ▪ Waste and Resource Management ▪ Journal of Cleaner Production ▪ The Journal of Solid Waste Technology and Management ▪ Environmental Engineering and Management Journal ▪ Transportation Research Part D: Transport and Environment ▪ Landscape and Urban Planning ▪ Environment, Development and Sustainability ▪ Scientific Research and Essays ▪ Environmental Engineering and Management Journal ▪ Journal of Sustainable Development ▪ Sustainability - Open Access Journal ▪ Agricultural Engineering International: CIGR Journal ▪ Journal of Simulation ▪ Journal of Intelligent Manufacturing ▪ International Journal of Multicriteria Decision Making ▪ Journal of Humanitarian Logistics and Supply Chain Management |
| Paper awards: | <ul style="list-style-type: none"> ▪ Top five most downloaded papers in 2012: Moussiopoulos N., Achillas Ch., Vlachokostas Ch., Spyridi D., Nikolaou K., 2010. Environmental, social and economic information management for the evaluation of sustainability in urban areas: A system of indicators for Thessaloniki, Greece. <i>Cities</i>, Volume 27, pp 377-384. ▪ Top five most downloaded papers in 2013: Achillas Ch., Moussiopoulos N., Karagiannidis A., Baniyas G., Perkoulidis G., 2013. Use of multi-criteria decision analysis to tackle waste management problems: A literature review. <i>Waste Management & Research</i>, Volume 31, Issue 2, pp 115-129. |
| Computer skills: | <ul style="list-style-type: none"> ▪ Windows, Word, Excel, Access, PowerPoint, Visio, Internet, AutoCAD, SimaPro (LCA software), CorelDraw, What's Best, ELECTRE III |
| Seminars: | <ul style="list-style-type: none"> ▪ June-July 2012: Buildings' Energy Auditing (60 hours) - KAELE ▪ December 2010: "Energy building design in accordance with the Hellenic Regulation for Energy Efficiency" (25 hours) - Technical Chamber of Greece ▪ November 2009: "Business and development opportunities in European Commission's External Cooperation Programmes (Technical Assistance Program - EuropeAid) and the 7th Framework Program (FP7)" (8 hours) - PLAS ▪ June 2005: "Logistics and Supply Chain Management" (25 hours) - Technical Chamber of Greece ▪ February 2004: "Online training in the Technique of Benchmarking" (12 hours) - South-eastern Europe Telecommunications and Informatics Research Institute (INA) ▪ May 2000 - October 2000: "Consultancy for the Development and Management of Information Systems for Small and Medium-Sized Enterprises" (400 hours) – KEK EDIP |
| Social work: | <ul style="list-style-type: none"> ▪ Volunteer at the 28th Olympic Games - Athens 2004 (2004) ▪ Voluntary participation in the "Ecomobility - Ecological movement" program of the non-profit organisation "ecocity" (2008 - today) |
| Interests: | <ul style="list-style-type: none"> ▪ Study (Environment, Sustainable Development, Innovations, Energy, New Technologies, Operational Research), ▪ Sports (Trail running, cycling, swimming) ▪ Travels |
| Annexes | <ul style="list-style-type: none"> ▪ Publications ▪ Participation in Conferences ▪ Participation in Research Projects |

List of Publications

Papers in Journals

1. Iakovou E., Moussiopoulos N., Xanthopoulos A., **Achillas Ch.**, Michailidis N., Chatzipanagioti M., Koroneos C., Bouzakis K.-D., Kikis V., 2009. A methodological framework for end-of-life management of electronic products. *Resources, Conservation and Recycling*, Volume 53, pp 329-339.
2. Vlachokostas Ch., **Achillas Ch.**, Moussiopoulos N., Hourdakis E., Tsilingiridis G., Ntziachristos L., Baniias G., Stavrakakis N., Sidiropoulos C., 2009. Decision Support System for the evaluation of urban air pollution control options: Application for particulate pollution in Thessaloniki, Greece. *Science of the Total Environment*, Volume 407, Issue 23, pp 5937-5948.
3. **Achillas Ch.**, Vlachokostas Ch., Moussiopoulos N., Baniias G., 2010. Decision support system for the optimal location of electrical and electronic waste treatment plants. *Waste Management*, Volume 30, Issue 5, pp 870-879.
4. Baniias G., **Achillas Ch.**, Vlachokostas Ch., Moussiopoulos N., Tarsenis S., 2010. Assessing multiple criteria for the optimal location of a construction and demolition waste management facility. *Building and Environment*, Volume 45, Issue 10, pp 2317-2326.
5. Vlachokostas Ch., Nastis S., **Achillas Ch.**, Kalogeropoulos K., Karmiris I., Moussiopoulos N., Chourdakis E., Baniias G., Limperi N., 2010. Economic damages of ozone air pollution to crops using combined air quality and GIS modelling. *Atmospheric Environment*, Volume 44, pp 3352-3361.
6. Moussiopoulos N., **Achillas Ch.**, Vlachokostas Ch., Spyridi D., Nikolaou K., 2010. Environmental, social and economic information management for the evaluation of sustainability in urban areas: A system of indicators for Thessaloniki, Greece. *Cities*, Volume 27, pp 377-384.
7. **Achillas Ch.**, Moussiopoulos N., Karagiannidis A., Vlachokostas Ch., Baniias G., 2010. Promoting reuse strategies for electrical/electronic equipment. *Waste and Resource Management*, Volume 163, Issue WR4, pp 173-182.
8. **Achillas Ch.**, Vlachokostas Ch., Aidonis D., Moussiopoulos N., Iakovou E., Baniias G., 2010. Optimising reverse logistics network to support policy-making in the case of electrical and electronic equipment. *Waste Management*, Volume 30, Issue 12, pp 2592-2600.
9. Vlachokostas Ch., **Achillas Ch.**, Moussiopoulos N., Kalogeropoulos K., Sigalas G., Kalognomou E.-A., Baniias G., 2011. Health effects and social costs of particulate and photochemical air pollution: A case study for Thessaloniki, Greece. *Air Quality, Atmosphere and Health*, Volume 5, Issue 3, pp. 325-334.
10. **Achillas Ch.**, Vlachokostas Ch., Moussiopoulos N., Perkoulidis G., Baniias G., Mastropavlos M., 2011. Electronic waste management cost: A scenario-based analysis for Greece. *Waste Management & Research*, Volume 29, Issue 9, pp 963-972.
11. Vlachokostas Ch., **Achillas Ch.**, Chourdakis E., Moussiopoulos N., 2011. Combining regression analysis and air quality modelling to predict benzene concentration levels. *Atmospheric Environment*, Volume 45, Issue 15, pp 2585-2592.
12. Vlachokostas Ch., **Achillas Ch.**, Slini T., Moussiopoulos N., Baniias G., Dimitrakis I., 2011. Willingness to pay for reducing the risk of premature mortality attributed to air pollution: A contingent valuation study for Greece. *Atmospheric Pollution Research*, Volume 2, Issue 3, pp 275-282.
13. **Achillas Ch.**, Vlachokostas Ch., Moussiopoulos N., Baniias G., 2011. Prioritise strategies to confront environmental deterioration in urban areas: Multicriteria assessment of public opinion and experts' views, *Cities*, Volume 28, pp 414-423.
14. **Achillas Ch.**, Vlachokostas Ch., Moussiopoulos N., Baniias G., Kafetzopoulos G., Karagiannidis A., 2011. Social acceptance for the development of a Waste-to-Energy plant in an urban area: Application for Thessaloniki, Greece. *Resources, Conservation and Recycling*, Volume 55, pp 857-863.
15. Vlachokostas Ch., **Achillas Ch.**, Moussiopoulos N., Baniias G., 2011. Multicriteria methodological approach to confront urban air pollution. *Atmospheric Environment*, Volume 45, pp 4160-4169.
16. Baniias G., **Achillas Ch.**, Vlachokostas Ch., Moussiopoulos N., Papaioannou G., 2011. A web-based decision support system for the optimal management of construction and demolition waste. *Waste Management*, Volume 31, Issue 12, pp 2497-2502.
17. Moussiopoulos N., Karagiannidis A., Papadopoulos A., **Achillas Ch.**, Antonopoulos I., Perkoulidis G., Vlachos D., Vlachokostas Ch., 2012. Transportation cost analysis of the Hellenic system for alternative management of waste electric and electronic equipment. *International Journal of Environment and Waste Management*, Volume 10, Issue 1, pp 70-89.
18. Vlachokostas Ch., **Achillas Ch.**, Michailidou A.V., Moussiopoulos N., 2012. Measuring combined exposure to environmental pressures in urban areas: An air quality and noise pollution assessment approach. *Environment International*, Volume 39, pp 8-17.
19. **Achillas Ch.**, Aidonis D., Vlachokostas Ch., Moussiopoulos N., Baniias G., Triantafyllou D., 2012. A multi-objective decision-making model to select Waste Electrical and Electronic Equipment transportation media. *Resources, Conservation and Recycling*, Volume 66, pp 76-84.
20. **Achillas Ch.**, Aidonis D., Vlachokostas Ch., Folinas D., Moussiopoulos N., 2012. Re-design of industrial products: A multi-objective approach. *Journal of the Operational Research Society*, Volume 64, pp 1336-1346.
21. **Achillas Ch.**, Vlachokostas Ch., Karagiannidis A., Sartzetakis E., Moussiopoulos N., 2012. Willingness to pay for more sustainable e-waste management: A contingent valuation study in Greece. *Economics and Policy of Energy and the Environment*, Issue 3, pp 19-35.
22. **Achillas Ch.**, Moussiopoulos N., Karagiannidis A., Baniias G., Perkoulidis G., 2013. Use of multi-criteria decision analysis to tackle waste management problems: A literature review. *Waste Management & Research*, Volume 31, Issue 2, pp 115-129.
23. **Achillas Ch.**, Vlachokostas Ch., Karagiannidis A., Moussiopoulos N., Loulos V., 2013. Depth of manual dismantling analysis: A cost-benefit approach. *Waste Management*, Volume 33, Issue 4, pp 948-956.

24. Koroneos C., **Achillas Ch.**, Moussiopoulos N., Nanaki E.A., 2013. Life Cycle Thinking in the Use of Natural Resources. *Open Environmental Sciences*, Volume 7, pp 1-6.
25. Vlachokostas Ch., Baniias G., Athanasiadis A., **Achillas Ch.**, Akylas V., Moussiopoulos N., 2014. CENSE: A tool to assess combined exposure to environmental health stressors in urban areas. *Environment International*, Volume 63, pp 1–10.
26. **Achillas Ch.**, Baniias G., Tzetzis D., Kyratsis P., Moussiopoulos N., 2014. Investing in product design education in times of economic crisis. *International Journal of Product Design*, Volume 5, Issue 1, pp 23-41.
27. **Achillas Ch.**, Aidonis D., Folinias D., Moussiopoulos N., Triantafyllou D., 2014. Identifying the optimal strategy for suppliers' involvement in product design: A case study. *Agricultural Engineering International: CIGR Journal*, Special issue 2014, pp 30-41.
28. Iakovou E., Vlachos D., **Achillas Ch.**, Anastasiadis F., 2014. Design of sustainable supply chains for the agrifood sector: A holistic research framework. *Agricultural Engineering International: CIGR Journal*, Special issue 2014, pp 1-10.
29. **Achillas Ch.**, Aidonis D., Iakovou E., Thymianidis M., Tzetzis D., 2014. A methodological framework for the inclusion of modern additive manufacturing into the production portfolio of a focused factory. *Journal of Manufacturing Systems*, Volume 37, pp. 328-339.
30. Aidonis D., Folinias D., **Achillas Ch.**, Triantafyllou D., Malindretos G., 2014. Multicriteria assessment of policy-makers and experts' views for the prioritization of the agrifood supply chains. *International Journal of Sustainable Agricultural Management and Informatics*, Vol. 1, Issue. 2, pp 106-119.
31. Vlachokostas Ch., Michailidou A.V., Matziris E., **Achillas Ch.**, Moussiopoulos N., 2014. A multiple criteria decision-making approach for selection of tree species in urban environments. *Urban Climate*, Volume 10, Issue 1, pp 105-118.
32. Tsarouhas P., **Achillas Ch.**, Aidonis D., Folinias D., Maslis V., 2015. Life Cycle Assessment of olive oil production in Greece. *Journal of Cleaner Production*, Volume 93, pp 75-83.

Papers in Greek Journals

1. Moussiopoulos N., **Achillas Ch.**, Koroneos C., Vlachokostas Ch., 2009. Integrated Product Policy: End of life management of an ISDN network terminal as a case study of electrical and electronic product. *Journal of Hellenic Association of Mechanical and Electrical Engineers*, Volume 423, pp 6-14 (in Greek).
2. Moussiopoulos N., Baniias G., Aidonis D., Anastaselos D., Vlachokostas Ch., **Achillas Ch.**, Iakovou E., Papadopoulos A., 2011. DeconRCM: Internet-based tool for the management of waste from construction activities. *Journal of Hellenic Association of Mechanical and Electrical Engineers*, Volume 436, pp 40-44 (in Greek).
3. Baniias G., Moussiopoulos N., **Achillas Ch.**, Vlachokostas Ch., 2011. Construction and demolition waste management in the Region of Central Macedonia with the use of a web-based tool. *Technology* (in Greek).
4. Moussiopoulos N., **Achillas Ch.**, Baniias G., 2012. Recovery of energy from solid wastes. *Environment and Law*. Year 2012, Volume 1, pp 27-35.

Articles in Books

1. Moussiopoulos N., **Achillas Ch.**, Dourala N., Kamarianos A., Krestenitis I., Bais A., Sartzetakis E., 2004. Technological Foresight in Central Macedonia – Central Macedonia towards 2018. Chapter 5: Environment”, ISBN 960-88503-0-4, pp 165-414 (in Greek).
2. Moussiopoulos N., Koutitas Ch., Nastis A., Nikolaou K., **Achillas Ch.**, Dermisis V., Koukoura Z., Tsiouvaras K., Papadopoulos A., Abraham E., Karatasiou M., Parisi Z., Anastaselos D., Apsilidis N., Vlachokostas Ch., Dermisi S., Kalogeropoulos K., Kalognomou E.-A., Karmiris I., Poullos K., Samaras A., Spyridi D., 2008. System of indicators for the environment and sustainability in Thessaloniki. Organisation for the Master Plan and Environmental Protection of Thessaloniki, ISBN 978-960-98642-0-6 (in Greek).
3. Moussiopoulos N., Iakovou E., Papadopoulos A., **Achillas Ch.**, Aidonis D., Anastaselos D., Baniias G., 2009. Exploitation of construction and demolition waste. Aristotle University of Thessaloniki, Polytechnic School, in “Ydrogaia”, Honourable issue for Professor Tzimopoulos Ch., ed. Giannopoulos S., Ziti, Thessaloniki, pp 413-423, ISBN 978-960-243-659-2 (in Greek).
4. Vlachokostas Ch., Moussiopoulos N., **Achillas Ch.**, Douros G., 2009. Health impacts and social costs of particulate and photochemical air pollution in the Greater Thessaloniki Area. National Technical University of Athens, Honourable issue for Professor Spirellis N., ed. Gyftou P., pp 329-336 (in Greek).
5. Vlachokostas Ch., Moussiopoulos N., **Achillas Ch.**, 2010. Combined assessment of health impacts and emission abatement strategies. Chapter 15F of AIR QUALITY MODELING - Theories, Methodologies, Computational Techniques, and Available Databases and Software. Vol. III – Special Issues (P. Zannetti, Editor). Published by The EnviroComp Institute (<http://www.envirocomp.org/>) and the Air & Waste Management Association (<http://www.awma.org>), pp 303-315.
6. Moussiopoulos N., Papadopoulos A., Baniias G., Anastaselos D., **Achillas Ch.**, Vlachokostas Ch., 2011. Web-based application for the optimal management from construction activities. Honourable issue for Professor Lekkas Th.
7. Aidonis D., **Achillas Ch.**, Voulgarakis N., Triantafyllou D., Moussiopoulos N., 2012. Selection of the Third / Fourth Party Logistics Provider: A multicriteria approach. *Outsourcing Management for Supply Chain Operations and Logistics Services*, IGI Global.
8. Anastasiadis F., Archontakis F., Baniias G., **Achillas Ch.**, 2014. Consumers' perception of wastewater usage in agriculture: Evidence from Greece. *Decision Making for Agricultural and Environmental Policy - Developing Integrated and Reliable Modelling Tools*, Springer.

Studies

1. Assael M., Melas D., Karatzas K., **Achillas Ch.**, Kakosimos D., 2008. Development of a network of measuring devices for the assessment of spatial distribution of particulates in Thessaloniki - Phase A. Technical Chamber of Greece - Section of Central Macedonia, Working group “Air pollution”, Thessaloniki, July (in Greek).

2. Assael M., Melas D., Karatzas K., **Achillas Ch.**, Kakosimos D., 2009. Development of a network of measuring devices for the assessment of spatial distribution of particulates in Thessaloniki - Phase B. Technical Chamber of Greece - Section of Central Macedonia, Working group "Air pollution", Thessaloniki, April (in Greek).
3. Antonopoulos I.-S., Karagiannidis A., Tsatsarelis T., Perkoulidis, G., **Achillas Ch.**, 2015. Waste to energy strategies in Sparta municipality in the context of life cycle. Waste Management, A Glance at the World, ed. Cerminara G., Volume 34, pp 711-713.

Contributions in Conference Proceedings

1. Koroneos C., **Achillas Ch.**, Moussiopoulos N., 2005. Environmental tools for sustainable production. Proceedings of the 1st Panhellenic Conference of Mechanical - Electrical Engineers, Panhellenic Society of Mechanical - Electrical Engineers, Athens, Greece, 28-30 March, CD-ROM edition (in Greek).
2. Moussiopoulos N., **Achillas Ch.**, Avramidis A., Boudouvas D., Giama E., Karagiannidis A., Papadopoulos A., Perkoulidis G., Sioris K., Vlachos D., 2005. Cost analysis of the management of electrical and electronic products at the end of their useful life. Proceedings of the 9th Conference on Environmental Science and Technology, Ed. Lekkas T.D., Rhodes island, Greece, 1-3 September, pp 1032-1037.
3. Koroneos C., **Achillas Ch.**, Moussiopoulos N., Kikis V., 2005. Sustainability in production - The application of environmental tools. Proceedings of the 9th Conference on Environmental Science and Technology, Ed. Lekkas T.D., Rhodes island, Greece, 1-3 September, pp 455-460.
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63. Baniias G., **Achillas Ch.**, Vlachokostas Ch., Aidonis D., Moussiopoulos N., 2013. The use of multi criteria decision aid in waste management problems. 10th Meeting of Multiple criteria Decision Analysis, Thessaloniki, 21-23 November.
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72. **Achillas Ch.**, Tzetzis D., Aidonis D., Iakovou E., Thymianidis M., 2014. Comparing production costs and lead times of traditional and modern manufacturing techniques. 5th ICMEN International Conference, Thessaloniki, Greece, 1-3 October.
73. Moussiopoulos N., Feleki E., **Achillas Ch.**, Vlachokostas Ch., 2015. Towards energy efficiency solutions and low carbon economy in urban areas: The Sustainable Urban MOdel (SUMO) Toolkit. Energy Science Technology (EST) International Conference & Exhibition, Karlsruhe, Germany, 20-22 May.
74. Aidonis D., **Achillas Ch.**, Folinias D., Triantafyllou D., 2015 Multicriteria Analysis Approach for Humanitarian Preparedness Operations. 2nd Logistics International Conference (LOGIC), Belgrade, Serbia, 21-23 May.
75. Diamantis V., Aivasidis A., **Achillas Ch.**, Mimides K., Pliakas F., 2015. Agro-industrial residuals for enhanced food production in geothermal greenhouses. International Conference on Industrial Waste & Wastewater Treatment & Valorization, Athens, Greece, 21-23 May.
76. Mouchlia D., Baniias G., **Achillas Ch.**, Archontakis F., Sartzetakis E., Moussiopoulos N., 2015. Comparing supermarkets & green groceries: Determining factors of the organic waste. 1st International Conference of Agrifood SCM and Green Logistic, Porto Carras, Chalkidiki, Greece, 27-30 May.
77. Michailidou A., Vlachokostas Ch., **Achillas Ch.**, Moussiopoulos N., 2015. Green Tourism Supply Chain Management based on Life Cycle Impact Assessment. 1st International Conference of Agrifood SCM and Green Logistic, Porto Carras, Chalkidiki, Greece, 27-30 May.
78. Feleki E., Michailidou A.V., Achillas Ch., Vlachokostas Ch., Moussiopoulos N., 2015. A tool towards environmental urban sustainability through effective EU policy implementation. 11th Regional Conference "Environment to Europe" EnE15 – ENV.net, Belgrade, Serbia, 5 June.
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80. Feleki E., **Achillas Ch.**, Moussiopoulos N., 2015. An interactive knowledge centre on urban sustainability: Transferring scientific results into policies. 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), Mykonos, Greece, 14-18 June.
81. Vlachokostas Ch., Tsegas G., Michailidou A., **Achillas Ch.**, Baniias G., Moussiopoulos N., Chatzibousios D.A., 2015. Assessment of health impacts from the incineration of municipal solid waste in Thessaloniki, Greece. 14th International Conference on Environmental Science and Technology (CEST 2015), Rhodes, Greece, 3-5 September.
82. Feleki E., **Achillas Ch.**, Moussiopoulos N., Michailidou A.V., 2015. Involving decision-makers in the transformation of results into urban sustainability policies. 14th International Conference on Environmental Science and Technology (CEST 2015), Rhodes, Greece, 3-5 September.
83. Parisi S., **Achillas Ch.**, Aidonis D., Folinias D., 2015. Conceptual design of a telecommunications equipment container for humanitarian logistics. 3rd Olympus International Conference on Supply Chains, Katerini, Greece, 7-8 November.
84. Loulos V., **Achillas Ch.**, Aidonis D., 2015. Strategic initiatives for performance improvement of sustainable supply chains: from a conceptual framework to best practices from the German market. 3rd Olympus International Conference on Supply Chains, Katerini, Greece, 7-8 November.

Conferences

Participation in Conferences

1. 1st Panhellenic Conference of Mechanical - Electrical Engineers, Athens, Greece, 28-30 March 2005.
2. 9th Conference on Environmental Science and Technology - 2005, Rhodes island, Greece, 1-3 September 2005.
3. 2nd International Conference on Life Cycle Management - LCM 2005, Barcelona, Spain, 5-7 September 2005.
4. 2nd International Conference on Manufacturing Engineering - ICMEN 2005, Kassandra, Chalkidiki, Greece, 5-7 October 2005.
5. 13th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Thessaloniki, Greece, 8-12 October 2005.
6. XV International Conference Transport, Sofia, Bulgaria, 10-11 November 2005.
7. 2nd International Conference and Exhibition organised by the Hellenic Solid Waste Management Association, Athens, 3-4 February 2006.
8. Protection and Restoration of the Environment VIII, Chania, Crete island, Greece, 3-7 July 2006.
9. Going Green CARE INNOVATION 2006, Vienna, Austria, 13-16 November 2006.
10. 2nd Panhellenic Conference of Mechanical - Electrical Engineers, Athens, Greece, 16-18 May 2007.
11. 1st International Conference on Environmental Management, Engineering, Planning and Economics - CEMEPE, Skiathos island, Greece, 24- 28 June 2007.
12. 10th International Conference on the Environmental Science and Technology – CEST 2007, Cos island, Greece, 5-7 September 2007.
13. 3rd Environmental Conference of Macedonia, Thessaloniki, Greece, 14-17 March 2008.
14. 1st Panhellenic Conference of Building materials, Athens, 21-23 May 2008.
15. 2nd International Conference on Environmental Management, Engineering, Planning and Economics - CEMEPE, Mykonos island, Greece, 21-26 June 2009.
16. 11th International Conference on the Environmental Science and Technology – CEST 2009, Chania, Crete island, Greece, 3-5 September 2009.
17. 4th International Conference on Life Cycle Management - LCM 2009, Cape Town, South Africa, 6-9 September 2009.
18. 3rd International Conference Towards sustainable development: Assessing the footprint of resource utilization and hazardous waste management - AMIREG 2009, Athens, Greece, 7-9 September 2009.
19. 3rd Conference of the Environmental Committee A.U.Th, Climate Change - Sustainable Development and Renewable Energy Sources, Thessaloniki, Greece, 15-17 October 2009.
20. 3rd International Conference and Exhibition of the Hellenic Solid Waste Management Association, Athens, Greece, 30-31 October 2009.
21. Protection and Restoration of the Environment X, Corfu island, Greece, 5-9 July 2010.
22. 1st International Conference on Supply Chains (ICSC), Katerini, Greece, 1-2 October 2010.
23. 2nd International Hazardous and Industrial Waste Management Conference, Chania, Crete island, Greece, 5-8 October 2010.
24. 4th Environmental Conference of Macedonia, Thessaloniki, Greece, 18-20 March 2011.
25. International Conference "Management of Technology - Step to Sustainable Production" (MOTSP 2011), Bol, Brac, Croatia, 8-10 June 2011.
26. International Conference on Integrated Urban Solid Waste Management, Piza, Italy, 14-15 June.
27. 3rd International Conference on Environmental Management, Engineering, Planning and Economics, SECOTOX/CEMEPE, Skiathos island, Greece, 19-24 June 2011.
28. 12th International Conference on the Environmental Science and Technology - CEST2011, Rhodes island, Greece, 8-10 September 2011.
29. United Nations University Institute for Sustainability and Peace, StEP E-waste Summer School 2011, Eindhoven, Netherlands - Antwerp, Belgium – Davos, Switzerland, 11-23 September 2011.
30. World Resources Forum - Shaping the Future of Natural Resources - Towards a Green Economy (WRF 2011), Davos, Switzerland, 19-21 September 2011.
31. 15th Panhellenic Logistics Conference, Thessaloniki, Greece, 11-12 November 2011.
32. Protection and Restoration of the Environment XI, Thessaloniki, Greece, 3-6 July 2012.
33. Electronics Goes Green 2012+, Berlin, Germany, 9-12 September 2012.
34. 4th International Conference on Engineering for Waste and Biomass Valorisation, Porto, Portugal, 10-13 September 2012.
35. 2nd Olympus International Conference on Supply Chains, Katerini, Greece, 5-6 October 2012.
36. 4th International Symposium on energy from biomass and waste, San Servolo, Venice, Italy, 12-15 November 2012.
37. 4th International Conference and Exhibition of the Hellenic Solid Waste Management Association, Athens, Greece, 30 November-1 December 2012.
38. 133rd EAAE Seminar – Developing integrated and reliable modelling tools for agricultural and environmental policy analysis, Chania, Greece, 15-16 June 2013.
39. Commission Internationale de l'Organisation Scientifique du Travail en Agriculture XXXV, Billund, Denmark, 3-5 July 2013.
40. 3rd International Exergy, Life Cycle Assessment, and Sustainability Workshop & Symposium (ELCAS3), Nisyros, Greece, 7-9 July 2013.

41. 13th International Conference on Environmental Science and Technology (CEST2013), Athens, Greece, 5-7 September 2013.
42. 10th Meeting of Multiple criteria Decision Analysis, Thessaloniki, 21-23 November 2013.
43. 1st Logistics International Conference (LOGIC), Belgrade, Serbia, 28-30 November 2013.
44. Air Quality 2014, Garmisch-Partenkirchen, Germany, 24-28 March 2014.
45. 2nd Symposium on Urban Mining, Bergamo, Italy, 19-21 May 2014.
46. 2nd International Conference on Sustainable Solid Waste Management, Athens, Greece, 12-14 June 2014.
47. 12th International Conference on Protection and Restoration of the Environment, Skiathos island, Greece, 29 June -3 July 2014.
48. 2nd International Conference on ICT for Sustainability, Stockholm, Sweden, 24-26 August 2014.
49. 4th International Conference on Industrial and Hazardous Waste Management, Chania, Greece, 2-5 September 2014.
50. 5th ICMEN International Conference, Thessaloniki, Greece, 1-3 October 2014.
51. Energy Science Technology (EST) International Conference & Exhibition, Karlsruhe, Germany, 20-22 May 2015.
52. 2nd Logistics International Conference (LOGIC), Belgrade, Serbia, 21-23 May 2015.
53. International Conference on Industrial Waste & Wastewater Treatment & Valorization, Athens, Greece, 21-23 May 2015.
54. 1st International Conference of Agrifood SCM and Green Logistic, Porto Carras, Chalkidiki, Greece, 27-30 May 2015.
55. 11th Regional Conference "Environment to Europe" EnE15 – ENV.net, Belgrade, Serbia, 5 June 2015.
56. 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE), Mykonos, Greece, 14-18 June 2015.
57. 14th International Conference on Environmental Science and Technology (CEST 2015), Rhodes, Greece, 3-5 September 2015.
58. 3rd Olympus International Conference on Supply Chains, Athens, Greece, 7-8 November 2015.

Participation in Research Projects

1. Technological Foresight in Central Macedonia: Application of the Delphi Method to evaluate various scenaria for technology-led regional development. Coordinator: Prof. I.N. Tsoukalas, Research Leader: Head of WG Environment: Prof. N. Moussiopoulos, Funded by: ERDF's Innovative Actions, "Excellence in Central Macedonia 2002-2003" Programme, 2003.
2. Sustainable urban transportation SUTRA, Coordinator: ESS, Research Leader: AUT, Funded by: CEC, Environment and Sustainable Development Programme, 2003.
3. Environmentally viable electronic city (ENV-e-CITY), Coordinator: AUT, Research Leader: AUT, Funded by: CEC, e-Content-European digital content on global networks, 2003.
4. Integrated environmental assessment and management, Coordinator: AUT, Research Leader: AUT, Funded by: General Secretariat of Research and Technology, 2004.
5. Photocatalytic innovative coverings applications for depollution assessment, Coordinator: GTM Construction S.A., Research Leader: AUT, Funded by: CEC, 2004.
6. Cost Analysis of the Management of Electrical and Electronic Products at the End of Their Useful Life, Coordinator: AUT, Research Leader: AUT, Funded by: Recycling of Appliances S.A., 2004.
7. Optimum management of industrial products at the end of their useful life (MIPEL), Coordinator: EPEAEK, Research Leader: AUT, Funded by: Ministry of Education, Pythagoras programme, 2004-2006.
8. Integrated Product Policy in the Telecommunication Sector (IPPTTEL), Coordinator: INTRACOM S.A. Hellenic Telecommunications and Electronic Industry, Research Leader: AUT, Funded by: European Commission, DG Environment, LIFE-Environment Programme, 2005-2007.
9. Social and professional reinstatement of people with disable and Greek gypsies through recycling programme for waste from electric an electronic equipment in Greece (EQUAL), Coordinator: ARVIS, Research Leader: AUT, Funded by: European Social Fund (EQUAL program), Hellenic Ministry of Employment and Social Protection, 2006.
10. Information System for Demolition Waste Management (DEWAM), Coordinator: AUT, Research Leader: AUT, Funded by: General Secretariat for Research & Technology, Ministry of Development, Reinforcement Programme of Human Research Manpower (PENED), 2007.
11. An Environmental and Sustainable Development Indicators System for Thessaloniki, Coordinator: AUT, Research Leader: AUT, Funded by: Organisation for the Master Plan and Environmental Protection of Thessaloniki, 2007-2008.
12. Reconstructing of undergraduate mechanical engineering courses at the Aristotle University of Thessaloniki, Coordinator: AUT, Research Leader: AUT, Funded by: Ministry of Education, 2008.
13. Diesel particulate nickel foam based filter, Coordinator: Laboratory of Applied Thermodynamics (LAT), Research Leader: AUT, Funded by: INCO, 2008.
14. Clean air for health-research needs for sustainable development policies, Coordinator: University of Hertfordshire, Research Leader: AUT, Funded by: European Commission-Research Directorate General, 2008.
15. European topic center on air and climate change, Implementation Plan 2008, Coordinator: Netherlands Environmental Assessement Agency, Research Leader: AUT, Funded by: European Environment Agency, 2008.
16. New energy externalities developments for sustainability (NEEDS), Coordinator: ISIS, Research Leader: AUT, Funded by: CEC, 2008-2009.
17. Supply of services for the development of an emission inventory that will include the creation of an air emission database and the provision of software tools for simulating ambient air quality in Cyprus, Coordinator: AUT, Research Leader: AUT, Funded by: Cyprian Ministry of Labour and Social Security, 2009.

18. European topic center on air and climate change, implementation plan 2009, Coordinator: Netherlands Environmental Assessment Agency, Research Leader: AUT, Funded by: European Environmental Agency, 2009.
19. The development of pay-as-you-throw systems in Hellas, Estonia, Cyprus, Coordinator: AUT, Research Leader: AUT, Funded by: European Commission-Directorate-General Environment, 2009-2010.
20. Megapoli-Megacities: Emissions, urban, regional and Global atmospheric pollution and climate effects, and integrated tools for assessment and mitigation, Coordinator: AUT, Research Leader: AUT, Funded by: European Commission, 2009-2010.
21. Low-Cost Zero-Waste Municipality, Coordinator: AUT, Research Leader: AUT, Funded by: Secretariat Technique Conjoint du Programme Med, 2010.
22. European topic center on air and climate change, implementation Plan 2010, Coordinator: Netherlands Environmental Assessment Agency, Research Leader: AUT, Funded by: European Environmental Agency, Budget for AUT: 98.2 k€, 2010.
23. Demonstration of photocatalytic remediation processes on air quality, Coordinator: Centre National de la Recherche Scientifique, Research Leader: AUT, Funded by: European Commission – Environment Directorate General, 2010-2012.
24. Integration of end-of-life tires in the life cycle of road construction, Coordinator: AUT, Research Leader: AUT, Funded by: European Commission - Environment, 2011.
25. Empowering Policies on Urban Sustainability, Coordinator: Malaga City Council, Research Leader: AUT, Funded by: European Commission - Programme MED, 2013-2014.
26. Innovation Capacity Building by Strengthening Expertise and Research in the Design, Planning and Operations of Green Agrifood Supply Chains, Coordinator: AUT, Research Leader: AUT, Funded by: European Commission, 2013-2015.
27. Securing Transit Containers (SETRACON), Coordinator: TEI Thessalonikis, Research Leader: TEI Thessalonikis, Funded by: European Commission, Black Sea Basin Joint Operational Programme, 2013-2015.
28. Voice-driven fleet management system for agricultural operations (V-AgriFleet), Coordinator: MLS S.A., Funded by: European Commission, 2015-2016.