



CURRICULUM VITAE

Georgios ARAMPATZIS

**Associate Professor
School of Production Engineering and Management
Technical University of Crete**

April 2023

1 PERSONAL INFORMATION

Name	Georgios ARAMPATZIS
Home Address	Parodos Andronikou 6, 73136 Chania, Crete, Greece
Work Address	School of Production Engineering and Management, University Campus, 73100 Chania, Crete, Greece
Phone	W: (+30) 2821037365, H: (+30) 2821050949, M: (+30) 6972550473
Place and Date of Birth	Nea Vyssa, Orestiadon, Greece; Sep 13, 1967
Email	garampatzis@tuc.gr
Personal Web Page	https://www.indigo.tuc.gr/team/arampatzis/

2 EDUCATION

- 2000 Doctor Engineer**
National Technical University of Athens, School of Chemical Engineering.
Thesis Title: "Simulation of Transport Phenomena in Solidification Processes".
- 1991 Diploma in Chemical Engineering**
National Technical University of Athens, School of Chemical Engineering.
Thesis Title: "Numerical Diffusion in Atmospheric Pollution Problems".

3 LANGUAGES

Mother Tongue	Greek
Other language(s)	English (excellent)

4 WORK EXPERIENCE

4.1 Employment

- July 2022–Today Associate Professor**
Discipline: "Heat Transfer and Process Engineering".
- April 2018–July 2022 Assistant Professor**
Discipline: "Heat Transfer".
School of Production Engineering and Management, Technical University of Crete
- 2014–2018 Laboratory Teaching Staff**
Discipline: "Heat & mass transfer and energy conversion processes".
School of Chemical Engineering, National Technical University of Athens.
- 2000–2014 Chemical Engineer / Post-Doctoral Researcher**
Environmental and Energy Research Management Unit, School of Chemical Engineering, National Technical University of Athens.

1992–1998 Chemical Engineer / Consultant
S.P.E.E.D. Development Consultants SA.

4.2 Invited positions

2018–Today Visiting Professor
Mediterranean Agronomic Institute of Chania – CIHEAM MAICh

5 TEACHING EXPERIENCE

5.1 Lectures in undergraduate and postgraduate courses in Tech. Univ. of Crete

2018–today Heat Transfer
7th Semester, School of Production Engineering and Management, Technical University of Crete.

2018–today Fluid Mechanics
6th Semester, School of Production Engineering and Management, Technical University of Crete.

2018–today Rational Energy Management of Production Systems
Postgraduate Programme, School of Production Engineering and Management, Technical University of Crete.

5.2 Lectures in postgraduate courses Mediterranean Agronomic Institute of Chania

2020–today ICT for Agriculture and Water Resources Management
MSc Programme in Geoinformation in Environmental Management.

5.3 Lectures as guest lecturer

Dec 2021 Accelerating Sustainable Production through Digital Transformation of Industry
EURECA-PRO The European University on Responsible Consumption and Production, ONLINE Lecture Series II

Nov 2020 Cognitive Manufacturing – The role of process modelling and simulation
DAAD-Online-School 2020, Smart Artificial Materials digitally engineered

5.4 Lectures in postgraduate courses in National Tech. Univ. of Athens

1999–2012 Computer Aided Data Analysis
MSc Energy Management and Environmental Protection.
School of Chemical Engineering of National Technical University of Athens and Department of Industrial Management at the University of Piraeus

2001–2002 Computational Methods in Decision Making

MSc Energy Management and Environmental Protection.

School of Chemical Engineering of National Technical University of Athens and Department of Industrial Management at the University of Piraeus

5.5 Participation in undergraduate courses in National Tech. Univ. of Athens**2000–2018 Transport Phenomena II: Heat and Mass Transfer**

5th Semester, School of Chemical Engineering, National Technical University of Athens.

2013–2018 Rational and Sustainable Energy Management

8th Semester, School of Chemical Engineering, National Technical University of Athens.

2002–2012 Energy Analysis of Industrial Systems

8th Semester, School of Chemical Engineering, National Technical University of Athens.

1992–1998 Computational Methods in Transport Phenomena

School of Chemical Engineering, National Technical University of Athens.

5.6 Laboratory teaching in National Tech. Univ. of Athens**2000–2018 Computational Lab in Transport Phenomena II, Heat and Mass Transfer**

5th Semester, School of Chemical Engineering, National Technical University of Athens.

2002–2018 Computational Lab in Rational and Sustainable Energy Management

8th Semester, School of Chemical Engineering, National Technical University of Athens.

2015–2018 Design and Process Analysis Laboratory, Unit Operations I and II

(i) Heat exchanges (ii) Product drying.

5th and 6th Semesters, School of Chemical Engineering, National Technical University of Athens.

2017–2018 Computational Lab in Unit Operations

6th Semester, School of Chemical Engineering, National Technical University of Athens

5.7 Participation in educational projects

- 2023** Adrion Master On Circular Economy and Bioeconomy (**AMOCEAB**). Development of a Strategy and Action Plan to foster Circular and Bio-Economy key principles in the ADRION Area, with the creation of a Master's Degree Programme. Funded by the INTERREG ADRION Programme.

- 2006-2008** Building the Future of Transnational Cooperation in Water Resources in South East Europe (**Educate!**)". Establishment of an international postgraduate course in Water Resources and Environmental Management. Funded by the INTERREG III B Cades Programme.
- 2004-2007** MSc Programme in Environmental Management, Engineering and Technology (**EnvMed**). Funded by the European Commission, DG Education and Culture, in the framework of the TEMPUS Programme.

5.8 Supervision of PhD and Diploma Theses

- 2019–σήμερα** Supervision of 5 PhD Theses
- 2019–σήμερα** Member of advisory committee of 2 PhD Theses
- 2019–σήμερα** Supervision of 17 completed diploma Theses

6 RESEARCH EXPERIENCE

6.1 Research Areas

- **Process, System and Service Engineering**
Main topics:
 - Process Modelling and Simulation.
 - Analysis and Optimisation of Production Systems.
 - Development and Application of Computational Methods.
- **Smart ICT Technologies**
Main topics:
 - Industry 4.0 and Industry 5.0.
 - Digital Twins and Cyber-Physical Systems.
 - Digital technologies in Industrial Water Management.
 - Agriculture 4.0, Smart Greenhouses.
- **Energy Systems Management**
Main topics:
 - Energy Conservation in Industry, Transportation and Buildings.
 - Energy Recovery and Waste Heat Reuse.
 - Energy Harvesting.
 - Integration of Renewable Energy into the Energy System.
 - Hybrid Power Generation Systems.
 - Policies and Measures for Rational Energy Management.
 - Energy Market and Energy Communities.
 - Energy Planning.
 - Energy Demand Forecasting.
- **Environmental Systems Management**
Main topics:
 - Natural Resources Management.
 - Energy Innovation and Green Technologies.
 - Life-Cycle Assessment and Environmental Footprint.

- Systemic Eco-Efficiency Assessment.
- Development of Environmental Performance Assessment Tools.
- Environmental Management and Analysis of Energy Systems.
- Air Pollution and Protection.
- **Water Resources Management**
Main topics:
 - Water Treatment in Industry.
 - Eco-Efficiency Assessment of Water Value Chains.
 - Water Supply in Stressed Areas.
 - Water Demand Management and Forecasting.
 - Assessment of Natural and Engineered Water Treatment Systems.
 - Water Desalination Systems Integrated with Renewable Energy.
- **Decision Making**
Main topics:
 - Design and Development of Decision Support Tools.
 - Multi-Criteria Decision Making.
 - Participatory Decision Making.

6.2 Participation in EU or National funded research projects

European Research Projects in Progress (as Principal Investigator)

- 2020-2024** Advancing Sustainability of Process Industries through Digital and Circular Water Use Innovations (**AquaSPICE**), **Horizon 2020**. *(as Project Technical/Scientific Coordinator & Principal Investigator of Technical University of Crete)*
- 2020-2024** Smart integration of local energy sources and innovative storage for flexible, secure and cost-efficient energy supply on industrialized islands (**ROBINSON**), **Horizon 2020**. *(as Principal Investigator of Technical University of Crete)*
- 2019-2022** Energy-aware Factory Analytics for Process industries (**FACTLOG**), **Horizon 2020**. *(as Principal Investigator of Technical University of Crete)*
- 2021** A Holistic Fire Management Ecosystem for Prevention, Detection and Restoration of Environmental Disasters (**TREEADS**), **Horizon 2020, Green Deal**. *(as Principal Investigator of Technical University of Crete)*
- 2021** Dynamic Information Management Approach for the Implementation of Climate Resilient Adaptation Packages in European Regions (**IMPETUS**), **Horizon 2020, Green Deal**. *(as Principal Investigator of CIHEAM-MAICh)*
- 2022-2025** A Holistic Approach to Sustainable, Digital EU Agriculture, Forestry, Livestock and Rural Development based on Reconfigurable Aerial Enablers and Edge Artificial Intelligence-on-Demand Systems (**CHAMELEON**), **Horizon Europe**. *(as Principal Investigator of CIHEAM-MAICh)*
- 2022-2024** Product Passport through Twinning of Circular Value Chains (**Plooto**), **Horizon Europe**. *(as Principal Investigator of Technical University of Crete)*

- 2023** Adrion Master On Circular Economy and Bioeconomy (**AMOCEAB**).
INTERREG ADRION.
(as Principal Investigator of Technical University of Crete)

National Research Projects in Progress (as Principal Investigator)

- 2023-2025** Network of Excellence for the Development, Dissemination and Application of Digital Transformation Technologies in the Greek Manufacturing Industry (Greece4.0), **Flagship Actions of GSRI**.
(as Principal Investigator of Technical University of Crete)
- 2020-2023** Air-Pollution Alleviation in urban areas through parking spaces Innovative exploitation towards climate change mitigation (**ParkIn**), **Greek Green Fund**.

National Research Projects in Progress (as Senior Researcher)

- 2020-2023** Development of smart and sustainable greenhouse units using of innovative ICT technologies (**SmartGreen**), **RIS3 Crete**.
- 2020-2023** Development of Intelligent and Energy-autonomous Greenhouse using innovative technologies to improve productivity and product quality (**IEnGreen**), **RIS3 West Greece**.

Completed Projects (as Senior Researcher)

- 2018 – 2021** Development, design, production and environmental analysis of advanced solar thermal collectors and heat storage systems using vacuum and phase change materials (**ASVaCS**). **EPAnEK**, Action "Research – Create – Innovate".
- 2016–2019** Demonstrating synergies in combined natural and engineered processes for water treatment systems (**AquaNES**, **Horizon 2020**).
- 2017–2020** A digital Solid Waste reuse pLATFORM for BalkaN (**SWAN**), **Interreg**, Balkan-Mediterranean.
- 2016-2019** Energy and Water Systems Integration and Management (**EdGeWIsE**), **ERANET-MED** Programme.
- 2011–2014** Meso-level eco-efficiency indicators to assess technologies and their uptake in water use sectors (**EcoWater**), **7th Framework Programme**.
- 2012–2015** Water Enhanced Resource Planning “Where water supply meets demand” (**WaterP**), **7th Framework Programme**.
- 2011–2015** Technologies for Water Recycling and Reuse in Latin America Content: Assessment, Decision Tools and Implementable Strategies Under an Uncertain Future (**Coroado**), **7th Framework Programme**.
- 2011–2014** Fostering European Drought Research and Science-Policy Interfacing (**DROUGHT-R&SPI**), **7th Framework Programme**.
- 2010–2012** Water availability and Security in Southern Europe and the Mediterranean (**WASSERMed**), **7th Framework Programme**.
- 2006-2011** Sustainable Water Management Improves Tomorrow’s Cities’ Health (**SWITCH**), **6th Framework Programme**.
- 2006–2009** Optimal Engineering Design for Dependable Water and Power Generation in Remote Areas Using Renewable Energies and Intelligent Automation (**OPEN GAIN**), **6th Framework Programme**.
- 2006–2009** Institutional and Economic Instruments for Sustainable Water Management in the Mediterranean Region (**INECO**), **6th Framework Programme**.

- 2005–2008** Mitigation of Water Stress Through New Approaches to Integrating Management, Technical Economic and Institutional Instruments (**AquaStress**), **6th Framework Programme**.
- 2004–2005** Developing Harmonized European Approaches for Transport Costing and Project Assessment (**HEATCO**), **6th Framework Programme**.
- 2004–2005** Improving Promotion of Electric Motor Systems (**Promot**), **SAVE Programme**.
- 2004** Implementation of Articles 5 & 6 of the Water Framework Directive 2000/60/EC in Cyprus, **Water Development Department of the Ministry of Agriculture, Natural Resources and Environment of Cyprus**.
- 2003–2006** Strengthening complementarity and exploitation of results related RTD projects dealing with water resources use and management in arid and semi-arid regions (**ARID**), **5th Framework Programme**.
- 2002–2005** Improving Competitiveness of SMEs through IT-Based Environmental Business Planning (**SMITE**), **MEDA Programme**.
- 2003–2005** Development of a Master Plan for the reduction of air pollution in the Greater Athens area, **Ministry of Environment**.
- 2002–2005** Developing Strategies for Regulating and Managing Water Resources and Demand in Water Deficient Regions (**WaterStrategyMan**), **5th Framework Programme**.
- 1998-2001** Optimization of processes in refineries developing and applying catalysts. Operational Programme in Research and Technology, **GGET/EPET II**.
- 2001** Upgrading the Geographical Information System in use by OASA, Athens Urban Transport Organisation - **OASA**.
- 1999–2000** Policy Evaluation for Public Transport, **SAVE Programme**.
- 1998–2000** Mediterranean cooperation for water desalination policies in the perspective of a sustainable development (**MedCoDesal**), **INCO-DC Program**.
- 1995-1996** External Cost of Transport (**ExternE**), **Joule III Programme**.
- 1995-1996** A decision support system for the integration of renewable energies into water system (**REDES**), **APAS Programme**.

6.3 Participation in European Research Clusters

- 2021- today** ICT4Water Cluster (<https://ict4water.eu/>)
- 2020- today** BRIDGE European Commission initiative (<https://www.h2020-bridge.eu/>)

6.4 Editorial Board and Guest Editor in Scientific Journals

- **Discover Analytics** – -Member of Editorial Board
- Innovative Methods for Geospatial Data using Remote Sensing and GIS – Special Issue on **Photogrammetric Engineering and Remote Sensing**
- Water Resources and Industry – Special Issue on **Digitalisation in Industrial Water Systems**
- Resources – Special Issue on **Recovery of Metals from Alternative and Urban Ores**
- Sustainability – Special Issue on **“Sustainable Industrial Ecology” (Sustainability)**

6.5 Member of Conference Committee

- 2022 Co-Chair in the **International Symposium of Applied Geoinformatics** (ISAG2022), Chania, Greece.
- 2022 Member of the Scientific committee in **3rd Symposium on Circular Economy and Sustainability**, Chania, Greece.
- 2021 Member of the Scientific committee in **17th International Conference on Environmental Science & Technology**, CEST2021, Athens, Greece.
- 2021 Member of the Scientific committee in **12th National Conference on Renewable Energy**, Thessaloniki, Greece.
- 2019 Member of the Scientific committee in **16th International Conference on Environmental Science & Technology**, CEST2019, Rhodes, Greece.
- 2019 Member of the Scientific committee in **4th HAEE Annual Symposium - International Event**, Athens, Greece.
- 2018 Member of the Scientific committee in **3rd HAEE Annual Conf.: Energy Transition: European and Global Perspectives**, Athens, Greece.

7 PARTICIPATION IN STUDIES AND CONSULTING SERVICES

- 2020 Study of pollutants transfer and diffusion in steel industry using Computational Fluid Dynamics. **TUC**
- 2004-2005 Environmental management and protection of agricultural and animal husbandry areas of the Pamvotida lake region (Ministry of Agriculture). **NTUA.**
- 2003-2005 Development of a Master Plan for the reduction of air pollution in the Greater Athens area (Ministry of Environment). **NTUA.**
- 2001 Upgrading the Geographical Information System in use by OASA (Athens Urban Transport Organisation). **NTUA.**
- 1997-1998 Assessment Consultant of European Programme LEADER II.. **S.P.E.E.D.**
- 1997-1998 Management Consultant of Programme PAFOS. Services. **S.P.E.E.D.**
- 1995 Computerized project management services during the master shut-down of Hellenic Refineries of Aspropyrgos
- 1995-1998 Management Consultant of Operational Programme for Northern Aegean (PEP) North Aegean. **S.P.E.E.D.**
- 1992-1993 Project management services for the construction of district heating plant in Kozani. **S.P.E.E.D.**
- 1992-1993 Development of an expert system for the industrial water management (MOPFIT). **S.P.E.E.D.**

8 PUBLISHING WORK

8.1 Publications in peer-reviewed scientific journals

- A.36 N. Sarantinoudis, G. Tsinarakis, P. Dedousis and G. Arampatzis. **Model-Based Simulation Framework for Digital Twins in the Process Industry**. Submitted for publication in *EEE Access*, 2023.

- A.35** P. Dedousis, G. Stergiopoulos, C. Konstantinou, G. Arampatzis, D. Gritzalis. **Enhancing Operational Resilience of Critical Infrastructure Processes through Chaos**. Submitted for publication in *EEE Access*, **2023**.
- A.34** K. Kalaboukas, D. Kiritsis and G. Arampatzis. **Governance Framework for Autonomous and Cognitive Digital Twins in Agile Supply chains**. *Computers in Industry*, 146, **2023**.
- A.33** A. Angelis-Dimakis, G. Arampatzis, A. Alexopoulos, A. Vyrkou, A. Pantazopoulos and Vasilis Angelis. **Industrial Symbiosis in the Balkan-Mediterranean Region: The Case of Solid Waste**. *Appl. Sci.*, 12, 870. **2023**. DOI:10.3390/environments10010001
- A.32** G. Tsinarakis, N. Sarantinoudis and G. Arampatzis. **A Discrete Process Modelling and Simulation methodology for Industrial Systems within the Concept of Digital Twins**. *Environments*, 10, 1. **2022**. DOI: 10.3390/environments9020016
- A.31** A. Angelis-Dimakis, G. Arampatzis, A. Alexopoulos, A. Pantazopoulos, I. Vyrides, N. Chourdakis and V. Angelis. **Waste Management and Circular Economy in Cyprus - The Case of the SWAN Project**. *Environments*, 9, 16. **2022**. DOI: 10.3390/environments9020016
- A.30** P. Eirinakis, S. Lounis, S. Plitsos, G. Arampatzis, K. Kalaboukas, K. Kenda, J. Lu, J.M. Rožanec and N. Stojanovic. **Cognitive Digital Twins for Resilience in Production**. *Information*, 13, 33. **2022**. DOI: 10.3390/info13010033
- A.29** P. Dedousis, G. Stergiopoulos, G. Arampatzis, D. Gritzalis. **A security-aware framework for designing industrial engineering processes**. In *IEEE Access*, **2021**, DOI: 10.1109/ACCESS.2021.3134759
- A.28** J.M. Rožanec, E. Trajkova, J. Lu, N. Sarantinoudis, G. Arampatzis, P. Eirinakis, I. Mourtos, M.K. Onat, D.A. Yilmaz, A. Košmerlj, K. Kenda; B. Fortuna, D. Mladenčić. **Cyber-Physical LPG debutanizer distillation columns: machine learning-based soft sensors for product quality monitoring**. *Applied Sciences*, 11(24):11790, **2021**. DOI: 10.3390/app112411790
- A.27** W. Belgacem, K. Mattas, G. Arampatzis and G. Baourakis. **Changing Dietary Behavior for Better Biodiversity Preservation: A Preliminary Study**. *Nutrients*, 13, 2076. **2021**. DOI: 10.3390/nu13062076.
- A.26** K. Kalaboukas, J. Rožanec, A. Košmerlj, D. Kiritsis and G. Arampatzis. **Implementation of Cognitive Digital Twins in Connected and Agile Supply Networks – an Operational model**. *Applied Science*, **2021**. DOI: 10.20944/preprints202103.0005.v1
- A.25** A. Angelis-Dimakis, G. Arampatzis, T. Pieri, K. Solomou, P. Dedousis and G. Apostolopoulos. **SWAN platform: A web-based tool to support the development of industrial solid waste reuse business models**. *Waste Management & Research*, **2021**. DOI: 10.1177/0734242X21989413
- A.24** V. Kouloumpis, A. Kalogerakis, A. Pavlidou, G. Arampatzis, G. Tsinarakis and G. Arampatzis. **Should Photovoltaics Stay at Home? Comparative Life Cycle Environmental Assessment on Roof-Mounted and Ground-Mounted Photovoltaics**. *Sustainability*, Vol. 12, Issue 21, **2020**. DOI: 10.3390/su12219120
- A.23** G. Arampatzis, P.-M. Stathatou, P. Scaloubakas and D. Assimacopoulos. **Supporting decisions for the application of combined natural and engineered systems for water treatment and reuse**. *International Journal of Decision Support Systems*, Vol 4, No 2, **2019**. DOI: 10.1504/IJDSS.2019.10026324
- A.22** M. Milousi, M. Souliotis, G. Arampatzis and S. Papaefthimiou. **Evaluating the Environmental Performance of Solar Energy Systems Through a Combined Life Cycle Assessment and Cost Analysis**. *Sustainability*, Vol 11, pp. 1-23, **2019**. DOI:10.3390/su11092539
- A.21** P.-M. Stathatou, P. Dedousis, G. Arampatzis, H. Grigoropoulou and D. Assimacopoulos. **Energy Savings & Reduced Emissions in Combined Natural & Engineered Systems for Wastewater Treatment & Reuse: The WWTP of Antiparos Island**. *Desalination and Water Treatment*, Vol. 159, pp. 13-23, **2019**. DOI:10.5004/dwt.2019.23995

- A.20** A. Mehmeti, A. Angelis-Dimakis, G. Arampatzis, S.J. McPhail and S. Ulgiati. **Life Cycle Assessment and Water Footprint of Hydrogen Production Methods: From Conventional to Emerging Technologies**. *Environments*, Vol 5, Issue 24, pp. 1-19, **2018**. DOI:10.3390/environments5020024
- A.19** A. Georgopoulou, A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Systemic eco-efficiency assessment of industrial water use systems**. *Desalination and Water Treatment*, Vol 63, pp. 343-350, **2017**. DOI: 10.5004/dwt.2017.0523
- A.18** G. Arampatzis, A. Angelis-Dimakis, M. Blind and D. Assimacopoulos. **A web-based toolbox to support the systemic eco-efficiency assessment in water use systems**. *Journal of Cleaner Production*, Vol 138, pp 181–194, **2016**. DOI: 10.1016/j.jclepro.2016.02.065
- A.17** A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Systemic eco-efficiency assessment of meso-level water use systems**. *Journal of Cleaner Production*, Vol 138, pp 195–207, **2016**. DOI: 10.1016/j.jclepro.2016.02.136
- A.16** G. Arampatzis, E. Kampragou, P. Scaloubakas and D. Assimacopoulos. **Using accurate demand forecasting to improve the efficiency of water supply distribution chains**. *Desalination and Water Treatment*, Vol. 57, Issue 25, pp. 11494-11505, **2016**. DOI: 10.1080/19443994.2015.1065447
- A.15** A. Georgopoulou, A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Improving the eco-efficiency of an agricultural water use system**. *Desalination and Water Treatment*, Vol. 57, Issue 25, pp. 11484-11493, **2016**. DOI: 10.1080/19443994.2015.1058727
- A.14** A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Monitoring the sustainability of the Greek energy system**. *Energy for Sustainable Development Journal*, Vol 16, Num 1, pp 51–56, **2012**. DOI: 10.1016/j.esd.2011.10.003
- A.13** C. Xiouras, A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Environmental and energy assessment of new vehicle technologies in the greater Athens area**. *Global Nest Journal*, Vol 14, Num 2, Special Issue: Clean Energy and Sustainability, pp 210–217, **2012**.
- A.12** D. Inman, M. Blind, I. Ribarova, A. Krause, O. Roosenschoon, A. Kassahun, H. Scholten, G. Arampatzis, G. Abrami, B. McIntosh and P. Jeffrey. **Perceived effectiveness of environmental decision support systems in participatory planning: Evidence from small groups of end-users**. *Environmental Modelling & Software*, Vol 26, pp 302–309, **2011**. DOI: 10.1016/j.envsoft.2010.08.005
- A.11** E. Manoli, P. Katsiardi, G. Arampatzis and D. Assimacopoulos. **Comprehensive water management scenarios for strategic planning**. *Global Nest Journal*, Vol 7, Num 3, pp 369–378, **2005**.
- A.10** G. Arampatzis, C.T. Kiranoudis, P. Scaloubacas and D. Assimacopoulos. **A GIS-based decision support system for planning urban transportation policies**. *European Journal of Operational Research*, Vol 152, pp 465–475, **2004**. DOI: 10.1016/S0377-2217(03)00037-7
- A.9** G.M. Bollas, S. Papadokonstandakis, J. Michalopoulos, G. Arampatzis, A.A. Lappas, I.A. Vasalos and A. Lygeros. **A computer aided tool for the simulation and optimization of the combined HDS–FCC processes**. *Chemical Engineering Research and Design*, Vol 82, Num 7, pp 881–894, **2004**. DOI:10.1205/0263876041596706
- A.8** D. Voivodas, G. Arampatzis, E. Manoli, C. Karavitis and D. Assimacopoulos. **Water supply modelling towards sustainable environmental management in small islands: the case of Paros, Greece**. *Desalination*, Vol 156, pp 127–135, **2003**. DOI:10.1016/S0011-9164(03)00335-7

- A.7** G.M. Bollas, S. Papadokonstandakis, J. Michalopoulos, G. Arampatzis, A.A. Lappas, I.A. Vasalos and A. Lygeros. **Using hybrid neural networks in scaling up an FCC model from a pilot plant to an industrial unit**. Chemical Engineering & Processing, Vol 42, pp 697–713, **2003**. DOI: 10.1016/S0255-2701(02)00206-4
- A.6** E. Manoli, G. Arampatzis, E. Pissias, D. Xenos and D. Assimacopoulos. **Water demand and supply analysis using a spatial decision support system**. Global Nest Journal, Vol 3, Num 3, pp 199–209, **2001**.
- A.5** D. Voivodas, K. Misirlis, E. Manoli, G. Arampatzis, D. Assimacopoulos and A. Zervos. **A tool for the design of desalination plants powered by renewable energies**. Desalination, Vol 133, pp 175–198, **2001**. DOI:10.1016/S0011-9164(01)00096-0
- A.4** J. Michalopoulos, S. Papadokonstandakis, G. Arampatzis and A. Lygeros. **Modelling of an industrial fluid catalytic cracking unit using neural networks**. Trans ICheme, Vol 79, Part A, pp 137–142, **2001**. DOI:10.1205/02638760151095944
- A.3** J. Papageorgakopoulos, G. Arampatzis, D. Assimacopoulos and N.C. Markatos. **Enhancement of the momentum interpolation method on non-staggered grids**. International Journal of Numerical Methods in Fluids, Vol 33, pp 1–22, **2000**. DOI: 10.1002/(SICI)1097-0363(20000515)33:1
- A.2** G. Arampatzis and D. Assimacopoulos. **Numerical modelling of convection-diffusion phase change problems**. Computational Mechanics Journal, Vol 21, pp 409–415, **1998**. DOI: 10.1007/s004660050319
- A.1** G. Arampatzis, D. Assimacopoulos and E. Mitsoulis. **Treatment of numerical diffusion in strong convective flows**. International Journal of Numerical Methods in Fluids, Vol 18, pp 313–331, **1994**. DOI: 10.1002/fld.1650180306

8.2 Publications in peer-reviewed conference proceedings

- B.58** N. Sarantinoudis, G. Arampatzis, K.P. Valavanis and N. Tsourveloudis. **Unmanned Aerial Vehicles and Livestock Management: an application in Western Crete**. International Conference on Unmanned Aircraft Systems, ICUAS 2023, Warsaw, Poland, June **2023**
- B.57** N. Sarantinoudis, G. Tsinarakis, G. Arampatzis, E. Doitsidis and N. Tsourveloudis. **Bibliometric Analysis on Applications of Digital Twins in Autonomous Vehicles**. The 31st Mediterranean Conference on Control and Automation (MED2023), Limasol, Cyprus, June **2023**
- B.56** M. Arybli, G. Arampatzis, P. Velanas, K. Margariti and C. Kalaitzidis. **A holistic scheme to sustainable and digital agriculture, forestry, livestock, and rural development utilizing reconfigurable aerial enablers - The approach of Horizon Europe CHAMELEON Project**. International Symposium on Applied Geoinformatics (ISAG-2022), Chania, Crete, Greece, Oct **2022**.
- B.55** A. Philis, S. Manoudakis, V. Kouloumpis, G. Arampatzis, P. Velanas and K. Margariti. **Applying geoinformatics in a Holistic Fire Management Ecosystem for Prevention, Detection and Restoration of Environmental Disasters in the TREEADS project**. International Symposium on Applied Geoinformatics (ISAG-2022), Chania, Crete, Greece, Oct **2022**.
- B.54** G. Arampatzis. **Experience from Successful Innovation Projects**. International Symposium on Applied Geoinformatics (ISAG-2022), Chania, Crete, Greece, Oct **2022**.
- B.53** S. Manoudakis, C. Kalaitzidis, G. Arampatzis, Dimitrios and D. Alexakis. **Assessing post-fire soil properties using Machine Learning on satellite remote sensing data**. International Symposium on Applied Geoinformatics (ISAG-2022), Chania, Crete, Greece, Oct **2022**.

- B.52** E. Karkou, N. Savvakis and G. Arampatzis. **Critical insights to drive sustainable water management**. 1st International Conference on Sustainable Chemical and Environmental Engineering, Rethymno, Crete, Greece, Aug-Sep **2022**.
- B.51** J.M. Rozanec, E. Trajkova, M.K. Onat, N. Sarantinoudis and G. Arampatzis, B. Fortuna and D. Mladenic. **Machine-Learning-Based Soft Sensors for Energy Efficient Operation of Crude Distillation Units**. International Conference on Electrical, Computer and Energy Technologies (ICECET 2022), Prague-Czech Republic. July **2022**.
- B.50** A. Corchero Rodriguez, H. Arpke, S. Munaretto, L. Vamvakeridou-Lyroudia, C. Makropoulos, G. Arampatzis, H. Schwarzmüller and A. Marioni. **A resilient knowledge boosters for elaborating adaptation and mitigation measures to minimize the effects of climate change**. 3rd International Symposium Climate Change & Water 2022. Tours, France. May-June **2022**.
- B.49** A. Marinoni, A Corchero Rodriguez, H. Arpke, S. Munaretto, L. Vamvakeridou-Lyroudia, C. Makropoulos, G. Arampatzis, H. Schwarzmüller and C. Jaeger. **Leveraging the power of remote sensing for the implementation of climate change adaptation and mitigation in Europe**. European Space Agency's 2022 Living Planet Symposium. Bonn, Germany. May **2022**.
- B.48** I. Bouhamed, C. Kalaitzidis, I. Gitas, and G. Arampatzis. **Mapping abandoned olive groves using Landsat/Sentinel2 imagery and Google Earth Engine**. International Symposium on Applied Geoinformatics (ISAG2021). Riga, Latvia, Dec **2021**.
- B.47** N. Sarantinoudis, G. Tsinarakis, K. Kalaboukas, P. Eirinakis and G. Arampatzis. **Cognitive Manufacturing: The role of process modelling and optimisation**. 31st European Conference on Operational Research. Athens, Greece. July **2021**.
- B.46** G. Arampatzis, P. Eirinakis, A. Košmerlj, J. Rožanec and N. Sarantinoudis. **Utilizing an enhanced digital twin to optimize on-specs LPG recovery**. 31st European Conference on Operational Research. Athens, Greece. July **2021**.
- B.45** A. Soukouli, A. Kalogerakis, A. Angelis-Dimakis and G. Arampatzis. **Energy Renovation of Conference Center Towards Nearly Zero-Energy Building in Accordance with the Standards of the European Green Deal**. 17th International Conference on Environmental Science and Technology, Athens, Greece. September 2021.
- B.44** C. Dima, Angelis-Dimakis and G. Arampatzis. **Industrial symbiosis: A methodology for the development and evaluation of symbiotic actions for CO2 capture and utilization**. 17th International Conference on Environmental Science and Technology. Athens, Greece. September **2021**.
- B.43** V. Angelis, G. Arampatzis, A. Alexopoulos and A. Angelis-Dimakis. **Solid Waste Reuse in the Balkan-Mediterranean Region**. 17th International Conference on Environmental Science and Technology. Athens, Greece. September **2021**.
- B.42** A. Angelis-Dimakis, T. Pieri, I. Nicacio, G. Arampatzis, P. Dedousis, ZB. Liew, CY. SIM and S. Yusup. **Carbon Capture Utilization Potential in Malaysia**. 17th International Conference on Environmental Science and Technology. Athens, Greece. September **2021**.
- B.41** P. Dedousis, G. Stergiopoulos, G. Arampatzis and D. Gritzalis. **Towards integrating security-by-design in industrial engineering practices**. 18th International Conference on Security and Cryptography. Lieusaint - Paris, France. July **2021**.
- B.40** G.J. Tsinarakis, P.S. Spanoudakis, G. Arampatzis, N.C. Tsourveloudis and L. Doitsidis. **Implementation of a Petri-net based Digital Twin for the development procedure of an Electric Vehicle**. 28th Mediterranean Conference on Control and Automation (MED 2020). Saint-Raphaël, France. June **2020**.

- B.39** A. Angelis-Dimakis, G. Arampatzis, P. Dedousis and G. Apostolopoulos. **SWAN Platform - A web-based tool to support the development of industrial solid waste reuse business models.** 16th International Conference on Environmental Science and Technology. Rhodes, Greece. September **2019**.
- B.38** K. Solomou., G. Arampatzis, P. Dedousis, A. Angelis-Dimakis. **A database of existing solid industrial waste reuse schemes as the basis for an industry matching algorithm.** 16th International Conference on Environmental Science and Technology. Rhodes, Greece. September **2019**.
- B.37** A. Kavga, M. Souliotis, G. Arampatzis and S. Papaefthimiou. **Intelligent Greenhouses to Reduce Environmental Imprint.** XXXVIII CIOSTA & CIGR V International Conference, Sustainable Decisions in Bio-Economy. Rhodes, Greece. June **2019**.
- B.36** E. Gerampinis, F. Kalafati, G. Arampatzis and N. Matsatsinis. **Development of Decision Support System in Energy.** 8th International Symposium and 30th National Conference on Operational Research, OR in public and private services. Patras, Greece. May **2019**.
- B.35** T. Pieri, A. Nikitas, G. Arampatzis and A. Angelis-Dimakis. **A methodological framework for the holistic assessment of carbon capture and utilization value chains.** 5th International Symposium on Green Chemistry, Sustainable Development and Circular Economy. Skiathos, Greece. October **2018**.
- B.34** D.S. Tsoukeris, I. Nydrioti, P.-M. Stathatou, P. Dedousis, G. Arampatzis and D. Assimacopoulos. **Environmental Impact Assessment of Combined Natural & Engineered Systems for Wastewater Treatment & Reuse: The Case Of Antiparos WWTP.** 6th International Conference on Industrial and Hazardous Waste Management. Chania, Crete, Greece. September **2018**.
- B.33** G. Arampatzis, P.-M. Stathatou, P. Scaloubakas and D. Assimacopoulos. **A User-Oriented Approach to Provide Online Decision Support Services: The AquaNES DSS Experience.** 7th International Symposium & 29th National Conference on Operational Research. Chania, Crete, Greece. June **2018**.
- B.32** G. Arampatzis, A. Kartalidis, S. Papaefthimiou and D. Assimacopoulos. **A Decision Support System for Design, Assessment and Evaluation of Integrated Water and Energy Production Systems.** 3rd HAAE Conference: Energy Transition: European and Global Perspectives, Athens, Greece, May **2018**.
- B.31** P.M. Stathatou, P. Dedousis, G. Arampatzis, H. Grigoropoulou and D. Assimacopoulos. **Energy Savings & Reduced Emissions in Combined Natural & Engineered Systems for Wastewater Treatment & Reuse: The WWTP of Antiparos Island, Greece.** 6th International Conference on Sustainable Solid Waste Management, Naxos Island, Greece, June **2018**.
- B.30** P.M. Stathatou, G. Arampatzis, E. Christoffels and D. Assimacopoulos. **Decision Support System for the implementation of Combined Natural and Engineered Water Treatment Systems: The Case of Retention Soil Filters.** 16th International Conference of the IWA Specialist Group on Wetland Systems for Water Pollution Control, Valencia, September **2018**.
- B.29** G. Arampatzis, E. Kampragou, P. Scaloubakas, and D. Assimacopoulos. **Balancing water supply and demand under different demand management options: a water system perspective.** 36th IAHR World Congress, The Hague, The Netherlands, June-July **2015**.
- B.28** A. Georgopoulou, A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Assessing and improving the eco-efficiency of a bottling plant using a systemic approach.** CEMEPE/SECOTOX 2015 Conference, Mykonos, Greece, July **2015**.
- B.27** G. Arampatzis, E. Kampragou, N. Perdikeas, P. Scaloubakas, and D. Assimacopoulos. **A system-based approach for the assessment of water demand management instruments.** IWA Waterideas 2014 Conference, Bologna, Italy, October **2014**.

- B.26** A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Systemic eco-efficiency assessment in water use systems**. 17th European Roundtable on Sustainable Consumption and Production, Portoroz, Slovenia, October **2014**.
- B.25** G. Arampatzis, A. Angelis-Dimakis, M. Blind and D. Assimacopoulos. **An online suite of tools to support the systemic eco-efficiency assessment in water use systems**. 17th European Roundtable on Sustainable Consumption and Production, Portoroz, Slovenia, October **2014**.
- B.24** G. Arampatzis, N. Perdikeas, E. Kampragou, P. Scaloubakas and D. Assimacopoulos. **A water demand forecasting methodology for supporting day-to-day management of water distribution systems**. 12th International Conference "Protection & Restoration of the Environment", Skiathos, Greece, June **2014**.
- B.23** A. Georgopoulou, A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Eco-efficiency assessment in the agricultural sector: The case of fresh form tomato crop in Phthiotida**. 12th International Conference "Protection & Restoration of the Environment", Skiathos, Greece, June **2014**.
- B.22** C. Xiouras, A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Environmental and energy assessment of new vehicle technologies in the greater Athens area**. 12th International Conference on Environmental Science and Technology, Rhodes, Greece, September **2011**.
- B.21** A. Kartalidis, M. Georgopoulou, G. Arampatzis and D. Assimacopoulos. **Desalination in Greek island by using RES**. 12th International Conference on Environmental Science and Technology, Rhodes, Greece, September **2011**.
- B.20** G. Arampatzis, A. Panagiotakis, E. Kampragou, E. Manoli and D. Assimacopoulos. **A GIS-based tool for assessing climate change impacts on tourism**, 12th International Conference on Environmental Science and Technology, Rhodes, Greece, September **2011**
- B.19** I. Michalopoulos, A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Evaluation of energy saving measures in the residential sector**. 8th Hellenic Scientific Conference on Chemical Engineering, Thessaloniki, Greece, May **2011**. (in Greek)
- B.18** A. Kartalidis, G. Arampatzis and D. Assimacopoulos. **A decision support system for design and assessment of hybrid systems for cogeneration of electricity and water**. 22nd European Modeling & Simulation Symposium, Fes, Morocco, October 2010.
- B.17** A. Angelis-Dimakis and G. Arampatzis. **Energy indicators for sustainable development**. 24th European Conference on Operational Research, Lisbon, Portugal, July **2010**. (Book of Abstracts)
- B.16** A. Angelis-Dimakis, G. Arampatzis and D. Assimacopoulos. **Cost-effectiveness analysis for the exploitation of renewable energy sources in isolated systems under uncertainty**. 9th National Conference on Soft Energy Sources, Paphos, Cyprus, March **2009**. (in Greek)
- B.15** A. Kartalidis, G. Arampatzis and D. Assimacopoulos. **Rapid sizing of renewable energy power components in hybrid power plants for reverse osmosis desalination process**. International Congress on Environmental Software and Modeling, Barcelona, Spain, July **2008**.
- B.14** A. Angelis-Dimakis, P. Trogadas, G. Arampatzis and D. Assimacopoulos. **Cost effectiveness analysis for renewable energy sources integration in the island of Lemnos, Greece**. International Congress on Environmental Software and Modeling, Barcelona, Spain, July **2008**.
- B.13** I. Sofronis, G. Arampatzis, D. Assimacopoulos and Th. Oikonomou. **Promot: A decision support tool for the promotion of energy efficient motor systems**. 4th International Conference on Energy Efficiency in Motor Driven Systems (EEMODS), Heidelberg, Germany, September **2005**.
- B.12** E. Manoli, P. Katsiardi, G. Arampatzis and D. Assimacopoulos. **Comprehensive water management scenarios for strategic planning**. 9th International Conference on Environmental Science and Technology, Rhodes, Greece, September **2005**.

- B.11** D. Voivontas, E. Manoli, G. Arampatzis and D. Assimacopoulos. **Water management in small islands: an optimization model for Paros**. HYDROTOP 2003, Marseille, France, October **2003**.
- B.10** D. Voivontas, G. Arampatzis, E. Manoli, C. Karavitis and D. Assimacopoulos. **Water supply modeling towards sustainable environmental management in small islands: the case of Paros**. European Conference on Desalination and the Environment: Fresh Water for All, Malta, May **2003**.
- B.9** E. Manoli, G. Arampatzis, E. Pissias and D. Assimacopoulos. **A spatial decision support system for the evaluation of water demand and supply management schemes**. 3rd International Forum on Integrated Water Management “Hydrorama 2002”, Athens, Greece, March **2002**.
- B.8** G. Goulas, G. Arampatzis, C.T. Kiranoudis, P. Scaloubacas and D. Assimacopoulos. **Evaluation of transport policies in Athens**. 7th International Conference on Environmental Science and Technology, Syros, Greece, September **2001**.
- B.7** J. Michalopoulos, S. Papadokostantakis, G. Arampatzis and A. Lygeros. **Comparison of neural networks and statistical models in the modelling of the fluid catalytic cracking process**. 3rd National Conference of Chemical Engineering. Athens, Greece, June **2001**. (in Greek)
- B.6** J. Michalopoulos, S. Papadokostantakis, G. Arampatzis and A. Lygeros. **Modeling and optimization of an FCC unit using neural networks**. 3rd National Conference of Chemical Engineering, Athens, Greece, June **2001**. (in Greek)
- B.5** G. Arampatzis, C.T. Kiranoudis, P. Scaloubacas and D. Assimacopoulos. **A GIS-based decision support system for planning urban transportation policies**. 13th National Conference of Hellenic Operational Research Society “Transport & New Technologies”, Pireaus, Greece, December **2000**.
- B.4** K. Missirlis, E. Manoli, G. Arampatzis and D. Assimacopoulos. **The design of a desalination plant powered by renewable energies**. 5th International Water Technology Conference, Alexandria, Egypt, March **2000**.
- B.3** G. Arampatzis and D. Assimacopoulos. **Numerical modeling of convection-diffusion phase change problems**. 2nd National Congress of Computational Mechanics, Chania, Greece, June **1996**.
- B.2** D. Papadopoulos, G. Arampatzis and D. Assimacopoulos. **Air quality predictions under conditions of variable wind and diffusivity profiles**. 4th Conference on Environmental Science and Technology, Mitilini, Greece, September **1995**. (in Greek)
- B.1** G. Arampatzis, P. Dimitriou and D. Assimacopoulos. **Treatment of numerical diffusion in atmospheric diffusion problems**. 2nd Conference on Environmental Science and Technology, Mitilini, Greece, September **1991**. (in Greek).

8.3 Published books

- C.6** G. Arampatzis, D. Assimacopoulos and V. Lygerou. **Heat and Mass Transfer**. Tziolas, Greece, **2020**. ISBN: 978-960-418-840-6. (in Greek)
- C.5** D. Assimacopoulos, G. Arampatzis, A. Agelis-Dimakis, A. Kartalidis and G. Tsiligiridis. **Renewable Energy Sources – Potential and Technologies**. Sofia, Thessaloniki, Greece, **2015**. ISBN: 978-960-6706-76-9. (in Greek)
- C.4** D. Assimacopoulos, V. Lygerou and G. Arampatzis. **Heat and Mass Transfer**. Papatotiriou, Athens, Greece, **2012**. ISBN: 978-960-491-064-9. (in Greek)
- C.3** D. Assimacopoulos, V. Lygerou and G. Arampatzis. **Heat Transfer**. Papatotiriou, Athens, Greece, **2009**. ISBN: 978-960-7182-57-9. (in Greek)

C.2 V. Lygerou, D. Assimacopoulos and G. Arampatzis. **Mass Transfer**. Papasotiriou, Athens, Greece, **2005**. ISBN 960-7530-66-7. (in Greek)

C.1 D. Assimacopoulos and G. Arampatzis. **Data Analysis and Decision Making Methods**. Papasotiriou, Athens, Greece, **2002**. ISBN: 960-7530-25-X. (in Greek)

8.4 Chapters in edited books

D.3 I. Poullos and G. Arampatzis. **Developmental and Energy Infrastructures in Proximity to Historic Environments: The Investor, and the State**. Chapter in book “**Culture and Perspective at Times of Crisis**”, Edited by S. Antoniadou, G. Vavouranakis, I. Poullos and P. Raouzaïou, Oxbow **Books**, 2018.

D.2 G. Arampatzis, A. Kartalidis and D. Assimacopoulos. **Responding to Water Challenges Through Desalination: Energy Considerations**. Chapter in Book “**Desalination**”, Edited by T. Yonar, Intech, **2017**. DOI: 10.5772/65209.

D.1 G. Poullos and G. Arampatzis. **Developmental Energy Projects, Cultural Environment, Local Society and Sustainable Development**. Chapter in book “**Cultural Management, Local Society and Sustainable Development**”, Edited by G. Poullos, M. Alivizatou, G. Arampatzis, A. Giannakidis, N.G. Karachalis, E. Mascha, M. Mouliou, M. Papadaki, X. Prosilis and S. Touloupa. Hellenic Academic Ebooks, Athens, **2015**. ISBN: 978-960-603-444-2. Electronic book available at <http://hdl.handle.net/11419/2394> (in Greek)

8.5 Theses

E.2 G. Arampatzis. **Simulation of Transport Phenomena in Solidification Processes**. PhD Thesis, National Technical University of Athens, School of Chemical Engineering, **2000**. (in Greek)

E.1 G. Arampatzis. **Numerical Diffusion in Atmospheric Pollution Problems**. **Diploma Thesis, National Technical University of Athens, School of Chemical Engineering, 1991**. (in Greek)

8.6 Educational material

F.6 G. Arampatzis. **Heat Transfer Notes**. Technical University of Crete, Chania, **2022**. (in Greek)

F.5 G. Arampatzis. **Fluid Mechanics Notes**. Technical University of Crete, Chania, **2022**. (in Greek)

F.4 D. Assimacopoulos, G. Arampatzis, A. Angelis-Dimakis and A. Kartalidis. **Rational and Sustainable Energy Management**. National Technical University of Athens, Athens, Greece, **2016**. (in Greek)

F.3 D. Assimacopoulos and G. Arampatzis. **Energy Analysis of Industrial Systems**. National Technical University of Athens, Athens, Greece, **2008**. (in Greek)

F.2 D. Assimacopoulos and G. Arampatzis. **Computational Laboratory in Rational and Sustainable Energy Management (electronic form)**. National Technical University of Athens, Athens, Greece, **2002–2016**. (in Greek)

F.1 D. Assimacopoulos and G. Arampatzis. **Computational Laboratory in Heat and Mass Transfer (electronic form)**. National Technical University of Athens, Athens, Greece, **2000–2016**. (in Greek)

8.7 Presentations in scientific workshops

G.15 G. Arampatzis. **Innovation Alliance for Circular Economy in Crete and Mediterranean**. 1st Event of «In-Crete» “Strengthening the Circular Economy in Crete and the Mediterranean”, Chania, Crete, December **2022**.

- G.14** G. Arampatzis. **Digitalization and cyber-physical systems for water-smart cities and industries: demos and showcase**. Digitalization and cyber-physical systems for water-smart cities and industries: demos and showcase Event. Ecomondo the Green Technology Expo. Rimini Italy. November **2022**.
- G.13** G. Arampatzis. **Process Modelling and Simulation for Industrial Cognitive Digital Twins**. Hybrid Workshop “Twin Digital and Green Transition” to a Resilient Economy, Chania, Crete, June **2022**.
- G.12** G. Arampatzis. **Digital Technologies and the Digital Industry: Home Research Perspectives and Success Stories**. Online event “Horizon Europe: Opportunities for the Future of Smart Industry & Digital Technologies”, Organized by National Documentation Center, March **2022**. (in Greek)
- G.11** G. Arampatzis. **Advancing Sustainability of Process Industries through Digital and Circular Water Use Innovations**. Clustering event on preserving water- Integrated water-smart strategies for industrial processes. Organized by Water Europe, December **2021**.
- G.10** G. Arampatzis. **Challenges and Prospects for Energy Transition and Adaptation to Climate Change**. Energy Day in the context of the European Sustainable Energy Week. Organized by Hellenic Mediterranean University, Herecleion, October **2021**. (in Greek)
- G.9** G. Arampatzis. **Digital Water and Energy Management Services in Municipal Utilities**. Networking Event in European Trend and Good practices. Organized by EuroConnect, Athens, December **2019**. (in Greek)
- G.8** D. Assimacopoulos, A. Kartalidis and G. Arampatzis. **RES-powered desalination in arid islands**. Conference on “Renewable Energy Sources and Desalination Technologies: Technical Advancements – Legal Framework – Funding”, Organized by the Centre for Renewable Energy Sources and Saving (CRES), Athens, Greece, September **2010**. (in Greek)
- G.7** G. Arampatzis, A. Kartalidis and D. Assimacopoulos. **Design, Assessment and Optimization of Hybrid Systems for Cogeneration of Electricity and Water using Desalination**. Conference on “Renewable Energy Sources and Desalination Technologies: Technical Advancements – Legal Framework – Funding”, Organized by the Centre for Renewable Energy Sources and Saving (CRES), Athens, Greece, September **2010**. (in Greek)
- G.6** G. Arampatzis, A. Angelis-Dimakis and D. Assimacopoulos. **A web based decision support system for selecting energy efficient heat pumps**. Conference on “Improving energy efficiency of industrial motor systems”, Organized by the Centre for Renewable Energy Sources and Saving (CRES), Athens, Greece, January **2007**. (in Greek)
- G.5** G. Arampatzis, A. Angelis-Dimakis and D. Assimacopoulos. **A web based decision support system for selecting energy efficient heat pumps**. Conference on “Energy efficient motor systems”, Organized by the Centre for Renewable Energy Sources and Saving (CRES), Athens, Greece, February 2006. (in Greek)
- G.4** G. Arampatzis, A. Koutsantoni and D. Assimacopoulos. **HEATCO Case Studies: Skarfia, Greece**. Conference on Harmonised European Approaches for Transport Costing and Project Assessment, Brussels, Belgium, May **2006**.
- G.3** G. Goulas, G. Arampatzis and D. Assimacopoulos. **Urban Transport Policies Evaluation**. Conference for the Automobile, Environment and Economy. Athens, Greece, April **2002**.
- G.2** G. Arampatzis, N. Diakoulakis, N. Lavdaki, P. Mountzouris and C. Smirnis. **Management of development projects and programs**. 11th National Conference of Hellenic Operational Research Society, Athens, June **1997**. (in Greek)

- G.1** Γ. Arampatzis, N. Diakoulakis and M. Kaliorakis. **Digital support of general Shut-Down of Hellenic Refineries of Aspropyrgos**. Conference of Primavera users, Athens, November 1996. (in Greek)