

# CURRICULUM VITAE of Elena Georgopoulou

## 1. Personal data

**PLACE/DATE OF BIRTH:** Athens, 1966  
**NATIONALITY:** Greek  
**TITLE:** Dr. Chemical Engineering – MSc. Environmental Management  
**ADDRESS:** Raideitou 70, Nea Smirni, 17122 Athens Greece  
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## 2. Employment – Professional experience

**2000 – to date:** Initially Junior Researcher (February 2000 – June 2003), then Assistant Researcher (June 2003 – March 2008), and since March 2008 Senior Researcher at the Institute of Environmental Research and Sustainable Development of the National Observatory of Athens (NOA).

Research undertaken on: Assessment of climate change impacts and adaptation measures; Environmental and economic assessment of policies and measures for the reduction of GHG emissions; Development of scenarios on energy demand, industrial production, waste generation and environmental burdens from anthropogenic activities; Integration of renewables and energy conservation in energy planning; Economic instruments for the exploitation of renewables and energy conservation; Methodologies for developing inventories of greenhouse gases emissions and emissions of other air pollutants; Flexible mechanisms of the Kyoto Protocol; Assessment of environmental and economic impacts from the introduction of BATs in industry; Cost-benefit analyses; Assessment of externalities.

- 1997 - 1999:** External collaborator of NOA (compilation of GHG and other air emissions inventories, application and enforcement of environmental legislation, and economic evaluation of alternative water management strategies at regional level).
- 1992 - 1997:** External collaborator of the Laboratory of Industrial and Energy Economics, Dpt. of Chemical Engineering at the National Technical University of Athens-NTUA (exploitation of renewable energies at regional and local level).
- 1994 - 1993:** External collaborator of Greek private consulting companies (solid waste management, wastewater treatment, regional energy planning and economic development).
- 1991 - 1992:** External collaborator of NTUA (assessment of the economic viability of industrial activities in industrial areas).

## 3. Education

- 1998:** **Ph.D.** in Chemical Engineering, National Technical University of Athens (NTUA) - Greece. Title of thesis: "Energy planning focusing on the development of renewable energies at regional level"
- 1995:** **MSc.** in Environmental Management, European Association for Environmental Management Education (EAEME) - Ecole Polytechnique Fédérale de Lausanne (EPFL). Title of thesis: "Environmental Evaluation of Alternative Strategies in Electricity Generation: The Case of Renewable Energy Option" (Distinction)
- 1989:** **BSc.** in Chemical Engineering, National Technical University of Athens

## 4. Languages

English: Fluently (Cambridge Proficiency), French: Fluently (Diplôme d' Études Supérieures), Spanish: Very Good (Nivel Superior)

## 5. Computer Literate

- ☞ Evaluation of climate change impacts and management options in agriculture (DSSAT, VINELOGIC)
- ☞ Risk Assessment (RISK)
- ☞ Optimization of electricity generation systems (WASP)
- ☞ Modelling of linear, non-linear and mixed integer optimisation problems (GAMS)
- ☞ Statistical analysis (SPSS)
- ☞ Future climatic scenarios (CORDEX, NetCDF, CDO software)
- ☞ Modelling, evaluation, and optimisation of integrated processes in industries, including environmental assessment (SuperPro Designer)
- ☞ Assessment of alternative options utilizing multicriteria decision-aid (ELECTRE I-IV, ELECTRE TRI, PROMETHEE, MACBETH).

## 6. Representation of Greece in International Organizations

- ☞ IPCC Focal Point in Greece (2010 – March 2018).
- ☞ Member of the Greek Delegation (1999-2007) to the regular meetings of SB and SBSTA of the UNFCCC and the Conference of the Parties (COPs), providing technical consultancy on reporting/accounting and the KP flexible mechanisms.
- ☞ Member of the Greek Delegation (2003-2007) to Working Group 3 of the European Commission on issues related to EU Emissions Trading and the Kyoto Protocol Flexible mechanisms.

- ☞ Member of the Greek Delegation (1999-2007) to the regular meetings of the Working Party on International Environment/Climate Change (WPIE/CC) of the Council of the European Union.
- ☞ Technical consultant (1999-2007) to the regular meetings of: a) the EU Expert Groups on Reporting / Accounting, KP Flexible Mechanisms, and Further Action/ WPIE/CC of the Council of the European Union, b) the Annex I countries of OECD.

## 7. Participation in International Organizations as technical expert

- ☞ Lead Author of the 6<sup>th</sup> IPCC Assessment Report (Working Group II: Impacts, Adaptation, and Vulnerability/ Chapter 13: Europe (to be published in 2021).
- ☞ Lead Author of the 5<sup>th</sup> IPCC Assessment Report (Working Group II: Impacts, Adaptation, and Vulnerability/ Chapter 23: Europe – responsible for energy, industry, transport, and tourism) – published in 2014.
- ☞ Expert Reviewer of the IPCC Special Report on Global Warming of 1.5 °C (to be finalized at the end of 2018).
- ☞ Expert Reviewer of the 4<sup>th</sup> IPCC Assessment Report (Working Group III: Mitigation) – published in 2014
- ☞ Participation, at the invitation of the European Commission, in the review process of the last four calls of Horizon 2020 of DG-RESEARCH regarding climate services and assessment of climate change impacts.

## 8. Participation in research projects

### As project leader

1. "*Low Carbon South East Europe (LOCSEE)*". Co-funded by the Transnational South East Europe (SEE) Programme (project code: SEE/D/0166/2.4/X). Undertaken by: European Academy Bolzano (EURAC) – Italy [Project leader], Ministry of Agriculture and Environment (MKO) – Slovenia, National Observatory of Athens (NOA) – Greece, Joanneum Research (JR) – Austria, Regional Environmental Center (REC) – Hungary, Corvinus University of Budapest (BCE-REKK) – Hungary, Ministry of Environmental and Nature Protection – Croatia, Ministry of Sustainable Development and Tourism – Montenegro, Ministry of Environment, Forests and Water administration – Albania, Ministry of Energy, Development and Environmental Protection – Serbia, Ministry of Environment and Physical Planning – FYROM. Duration: 10/2012 – 9/2014, Budget: 1,515,451€ (NOA: 147,282€).
2. "*Support Actions for the fulfilment of national commitments under the UNFCCC and the Kyoto Protocol*". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works within the 3rd Community Support Framework – Operational Programme "Environment", Undertaken by: National Observatory of Athens, Duration: 2003 – 2006, Budget: 748.800 €.
3. "*Support Actions for the national implementation of the EU Directive on Emissions Trading and the monitoring of measures for the reduction of GHG emissions from the energy sector*". Source of funding: Greek Ministry for Development within the 3rd Community Support Framework – Operational Programme "Competitiveness", Undertaken by: National Observatory of Athens, EPEM S.A., LDK Ltd, KPMG Kyriacou Certified Auditors S.A., Duration: 2003 – 2006, Budget: 1.210.800 €.
4. "*Decision Aid Framework for the assessment of impacts from the introduction of Best Available Techniques in industry (DAF-BAT)*". Source of funding: Greek General Secretariat for Research and Technology within the 3rd Community Support Framework – Operational Programme "Competitiveness", Undertaken by: National Observatory of Athens, EPEM S.A., LDK Ltd, Duration: 2003 – 2006, Budget: 1.787.200 €.
5. "*Initiative on the assessment of climate change impacts in African developing countries*". Source of funding: Greek Ministry of Foreign Affairs - Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2003 – 2004, Budget: 125.000 €.
6. "*Formulation of the National Action Plan of Cyprus for the limitation of greenhouse gases emissions according to the requirements of the UNFCCC and the Kyoto Protocol*". Source of funding: Ministry for Agriculture, Natural Resources and the Environment of Cyprus, Undertaken by: National Observatory of Athens, Duration: January 2001 – March 2002, Budget: 73.500 €
7. "*Capacity building for climate change related activities in Romania*". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 200.000 €.
8. "*Capacity building for climate change related activities in Bulgaria*". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 200.000 €.

### As a member of the research team (indicative list)

1. "*Lignite Phase Out – Long term energy planning scenarios for the Greek power generation system*". Source of funding: WWF Hellas, Duration: 2016 – 2017.
2. "*Financial Institutions: Preparing the Market for Adapting to Climate Change (ClimaBiz)*" Source of funding: DG Environment/ LIFE+ 2008, Contract Nr. LIFE08 ENV/GR/00052, Duration: 2010 – 2012. (Note: within the framework of Green Awards, ClimaBiz was selected as one of the 15 most outstanding LIFE projects, out of a total of 4,300 projects implemented in the last 25 years (1992-2017), and as one of the 5 most outstanding LIFE projects on climate change. It was also one of the best 21 LIFE Environment projects for 2013. ClimaBiz was the first full-scale application of climate change adaptation by a financial institution in Greece).
3. "*Energy model adjustment for the calculation of GHG emissions from energy and estimation of the technical potential of GHG emission reductions*". Source of funding: Centre for Renewable Energy Sources (KAPE/CRES). Undertaken by: National Observatory of Athens, Duration: 2011 – 2012.

4. "Simulation of the Greek energy system for the estimation of the energy conservation potential". Source of funding: Centre for Renewable Energy Sources (KAPE/CRES). Undertaken by: National Observatory of Athens, Duration: 2011 – 2012.
5. "Support for the free allocation of GHG emission credits to installations during the period 2013-2020 with the framework of the EU-ETS". Source of funding: Ministry for Energy, Environment and Climate Change. Undertaken by: National Observatory of Athens, Duration: 2012.
6. "Forecasting Energy Production from Wind Farms in Greece", Source of funding: Regulatory Authority of the Greek Electricity Transmission System (DESMHE), Duration: 2007-2012.
7. "Support Actions for the national implementation of the EU Directive on Emissions Trading and the monitoring of measures for the reduction of GHG emissions from the energy sector". Source of funding: Greek Ministry for Development within the 3rd Community Support Framework – Operational Programme "Competitiveness", Duration: 2004 – 2007.
8. "Support Actions for the fulfilment of national commitments under the UNFCCC and the Kyoto Protocol". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works within the 3rd Community Support Framework – Operational Programme "Environment", Duration: 2003 – 2009.
9. "Estimation of the economic and social impacts of solid waste management". Source of funding: Institute of Local Administration, Duration: 2006-2007.
10. "Tools for sustainability: development and application of an integrated framework (SusTools)". Source of funding: DG Research of the European Commission within the framework of EESD-ESD-3 ("Environment and Sustainable Development"), Undertaken by: ARMINES (France), University of Bath (UK), NTUA (Greece), VITO (Belgium), EAIR (Germany), Duration: 2003 – 2004.
11. «Externalities of Energy: Extension of accounting framework and policy applications (ExternE-Pol)», Source of funding: DG Research of the European Commission within the framework of EESD-ESD-3 ("Environment and Sustainable Development"), Undertaken by: ARMINES (Γαλλία), ΕΜΠ (Greece), VITO (Belgium), EAIR (Γερμανία), Duration: 2002 – 2004.
12. "Evaluating, monitoring and strengthening the environmental dimension of the Operational Program for Competitiveness". Source of funding: Greek Ministry for Development within the 3rd Community Support Framework – Operational Programme "Competitiveness", Undertaken by: National Observatory of Athens, Duration: 2003.
13. "The effects of environmental constraints in the electricity generation sector". Source of funding: Greek Public Power Corporation, Undertaken by: National Observatory of Athens, Duration: 2002 – 2003.
14. "Capacity building for climate change related activities in the Federal Republic of Yugoslavia". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002.
15. "Capacity building for climate change related activities in Albania". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002.
16. "Capacity building for climate change related activities in Bosnia - Herzegovina", Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002.
17. "Capacity building for climate change related activities in FYROM". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002.
18. "Planning of Support Policies and Measures for the Limitation of CO2 Emissions in the Residential – Tertiary Sector". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2002.
19. "2<sup>nd</sup> National Programme for the reduction of greenhouse gases in Greece during 2000-2010". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002.
20. "Facilitating the Kyoto Protocol Objectives by the Clean Development Mechanism in Small Island Developing States - CDMSIDS Project". Source of funding: European Commission / DG Environment, Undertaken by: Instituto Superior Técnico (IST), National Observatory of Athens (NOA), Secretariado Executivo Para o Ambiente (SEPA), CEA (Cape Verde), Duration: 2001.
21. "Inventory of air emissions, solid and liquid wastes from industry and air emissions from central heating installations", Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: Consortium "LDK Ltd., EPEM S.A., ENVECO S.A., SIVILA Ltd., EXERGIA S.A.", National Observatory of Athens (Technical Consultant), National Technical University of Athens (Technical Consultant), Duration: 2000 – 2001.
22. "Climate Change". Source of funding: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 1998 – 2002.
23. "Optimal integration of environmental requirements, deriving from the Kyoto Protocol, in national energy planning for the next decade", Source of funding: Greek Ministry for Development, Undertaken by: National Observatory of Athens, Duration: 1999 – 2000.
24. "Utilization of Groundwater Desalination & Wastewater Reuse in the Water Supply of Seasonally-Stressed Regions (WASSER)". Source of funding: DG XII of the European Commission within the framework of the ENVIRONMENT program, undertaken by: National Observatory of Athens, the Kungl Tekniska Hogskolan University (Sweden), the Universidad de Las Palmas de Gran Canaria and the Universidad de Malaga (Spain), Tahal Consulting Engineers Ltd (Israel), Hellenic Center for Maritime Research (EKΘΕ) and the Ministry for Agriculture of Cyprus, Duration: 1998 – 2001.

## 9. Other professional activities

- Reviewer in scientific journals (Energy Policy, European Journal of Operational Research (EJOR), Journal of Environmental Management, Journal of Cleaner Production, Computers & Industrial Engineering, Sustainability)

- Member of the Executive Board of the National Centre for Environment and Sustainable Development (EKΠAA) during 2010-2011; Member of the Hellenic Association of Chemical Engineers; Member of the EURO Working Group Multicriteria Decision Aiding; Member of the Hellenic Solid Waste Management Association; Member of the Hellenic Association of Researchers.

## 10. Selected publications in peer-reviewed journals and books

1. Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Vitaliotou, M., Lalas, D.P., Theloudis, I., Giannoulaki, K.-D., Dimopoulos, D., Zavras, V., 2017: *Climate change impacts and adaptation options for the Greek agriculture in 2021–2050: A monetary assessment*. Climate Risk Management 16, 164-182.
2. Gaglias, A., Mirasgedis, S., Tourkolias, C., Georgopoulou, E., 2016: *Implementing the Contingent Valuation Method for supporting decision making in the waste management sector*. Waste Management 53, 237-244.
3. Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Hontou, V., Gakis, N., Lalas, D., Xenoyianni, F., Kakavoulis, N., Dimopoulos, D., Zavras, V., 2015: *A methodological framework and tool for assessing the climate change related risks in the banking sector*. Journal of Environmental Planning and Management 58(5), 874-897.
4. Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Gakis, N., Hontou, V., Lalas, D. P., Steiner, D., Tuerk, A., Fruhmann, C., Pucker, J., 2015: *Lessons learnt from a sectoral analysis of greenhouse gas mitigation potential in the Balkans*. Energy 92, 577-591.
5. Mavrotas, G., Gakis, N., Skoulaxinou, S., Katsouros, V., Georgopoulou, E., 2015: *Municipal solid waste management and energy production: Consideration of external cost through multi-objective optimization and its effect on waste-to-energy solutions*. Renewable and Sustainable Energy Reviews 51, 1205-1222.
6. Jacob, D., Petersen, J., Eggert, B., Alias, A., Christensen, O., Bouwer, L.M., Braun, A., Colette, A., Déqué, M., Georgievski, G., Georgopoulou, E., Gobiet, A., Menut, L., Nikulin, G., Haensler, A., Hempelmann, N., Jones, C., Keuler, K., Kovats, S., Kröner, N., Kotlarski, S., Kriegsmann, A., Martin, E., van Meijgaard, E., Moseley, C., Pfeifer, S., Preuschmann, S., Radermacher, C., Radtke, K., Rechid, D., Rounsevell, M., Samuelsson, P., Somot, S., Soussana, J.-F., Teichmann, C., Valentini, R., Vautard, R., Weber, B., Yiou, P., 2014: *EURO-CORDEX: new high-resolution climate change projections for European impact research*. Regional Environmental Change 14 (2), 563-578.
7. Kovats, R.S., R. Valentini, L.M. Bouwer, E. Georgopoulou, D. Jacob, E. Martin, M. Rounsevell, and J.-F. Soussana, 2014: *Europe*. In: *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part B: Regional Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Barros, V.R., C.B. Field, D.J. Dokken, M.D. Mastrandrea, K.J. Mach, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L. White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 1267-1326.
8. Mavrotas, G., Skoulaxinou, S., Gakis, N., Katsouros, V., Georgopoulou, E., 2013: *A multi-objective programming model for assessment the GHG emissions in MSW management*. Waste Management, 33 (9), 1934-1949.
9. Mirasgedis, S., Georgopoulou, E., Sarafidis, Y., Papagiannaki, K., Lalas, D.P., 2013: *The impact of climate change on the pattern of demand for bottled water and non-alcoholic beverages*. Business Strategy and the Environment 23(4), 272-288.
10. Koussis, A. D., Georgopoulou, E., Kotronarou, A., Lalas, D. P., Restrepo, P., Destouni, G., Prieto, C., Rodriguez, J. J., Rodriguez-Mirasol, J., Cordero, T. and Gomez-Gotor, A., 2010: *Cost-efficient management of coastal aquifers via recharge with treated wastewater and desalination of brackish groundwater: general framework*. Hydrological Sciences Journal 55(7), 1217-1233.
11. Koussis, A. D., Georgopoulou, E., Kotronarou, A., Mazi, K., Restrepo, P., Destouni, G., Prieto, C., Rodriguez, J. J., Rodriguez-Mirasol, J., Cordero, T., Ioannou, C., Georgiou, A., Schwartz, J. and Zacharias, I., 2010: *Cost-efficient management of coastal aquifers via recharge with treated wastewater and desalination of brackish groundwater: application to the Akrotiri basin and aquifer, Cyprus*. Hydrological Sciences Journal 55(7), 1234-1245.
12. Mavrotas, G., Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Lalas, D., Hontou, V., Gakis, N., 2009: *Multi-objective Combinatorial Optimization for Selecting Best Available Techniques (BAT) in the Industrial Sector: the COMBAT tool*. Journal of Operational Research Society 60 (7), 906-920.
13. Mirasgedis, S., Hontou, V., Georgopoulou, E., Sarafidis, Y., Gakis, N., Lalas, D.P., Loukatos, A., Gargoulas, N., Mentzis, A., Economidis, D., Triantafilopoulos, T., Korizi, K., Mavrotas, G., 2008: *Environmental damage cost from industrial activities in the greater Athens, Greece area and the resulting benefits from the introduction of BAT*. Environmental Impact Assessment Review 28(1), 39 – 56.
14. Georgopoulou, E., Hontou, V., Gakis, N., Sarafidis, Y., Mirasgedis, S., Lalas, D. P., Loukatos, A., Gargoulas, N., Mentzis, A., Economidis, D., Triantafilopoulos, T., Korizi, K., 2008: *BEAsT: A decision-support tool for assessing the environmental benefits and the economic attractiveness of best available techniques in industry*. Journal of Cleaner Production 16(3), 359 – 373.
15. Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Hontou, V., Gakis, N., Lalas, D.P., Loukatos, A., Gargoulas, N., Mentzis, A., Economidis, D., Triantafilopoulos, T., Korizi, K., Mavrotas, G., 2007: *A Decision-Aid Framework to Provide Guidance for the Enhanced Use of Best Available Techniques in Industry*. Environmental Management, 40(3), 413 - 429.
16. G. Mavrotas, E. Georgopoulou, S. Mirasgedis, Y. Sarafidis, D. Lalas, V. Hontou, N. Gakis, 2007: *An integrated approach for the selection of Best Available Techniques (BAT) for the industries in the greater Athens area using multi-objective combinatorial optimization*. Energy Economics 29(4), 953 – 973.
17. Diakoulaki, D., Georgiou, P., Tourkolias, C., Georgopoulou, E., Lalas, D., Mirasgedis, S., Sarafidis, Y., 2007: *A multicriteria approach to identify investment opportunities for the exploitation of the Clean Development Mechanism*. Energy Policy 35(2), 1088-1099.

18. Mirasgedis, S., Sarafidis, Y., Georgopoulou, E., Kotroni, V., Lagouvardos, K., Lalas, D. P., 2007: *A modeling framework for estimating the impacts of climate change on electricity demand at regional level: the case of Greece*. Energy Conversion and Management 48, 1737-1750.
19. Balaras, C.A., Gaglia, G.A., Mirasgedis, S., Georgopoulou, E., Sarafidis, Y., Lalas, D.P., 2007: *Empirical assessment of the Hellenic non-residential building stock, energy consumption, emissions and potential energy savings*. Energy Conversion and Management 47, 1160-1175.
20. Balaras, C., Gaglia, A., Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Lalas, D.P., 2007: *European residential buildings and empirical assessment of the Hellenic building stock, energy consumption, emissions and potential energy savings*. Building and Environment 42(3), 1298-1314.
21. Mirasgedis, S., Sarafidis, Y., Georgopoulou, E., Lalas, D.P., Moschovits, M., Karagiannis, F. and Papakonstantinou, D., 2006: *Models for Mid-term Electricity Demand Forecasting Incorporating Weather Influences*. Energy 31 (2-3), 208-227.
22. Georgopoulou, E., Sarafidis, Y., Mirasgedis, S., Balaras, C., Gaglia, A., Lalas, D.P., 2006: *Evaluating the need for economic support policies in promoting greenhouse gas emission reduction measures in the Greek building sector*. Energy Policy 34 (15), 2012-2031.
23. Georgopoulou, E., Sarafidis, Y., Mirasgedis, S., Lalas, D.P., 2006: *Next allocation phase of the EU emissions trading scheme: How tough will the future be*. Energy Policy 34 (18), 4002-4023.
24. Mirasgedis, S., Georgopoulou, E., Sarafidis, Y., Balaras, C., Gaglia, A., and Lalas, D.P., 2004: *CO<sub>2</sub> Emission Reduction Policies in the Greek Residential Sector: A Methodological Framework for their Economic Evaluation*. Energy Conversion and Management 45, 537-557.
25. Mirasgedis, S., Sarafidis, Y., Georgopoulou, E., Lalas, D.P., Papastavros, C., 2004: *Mitigation Policies for Energy-Related Greenhouse Gas Emissions in Cyprus: The Potential Role of Natural Gas Imports*. Energy Policy 32, 1001-1011.
26. Georgopoulou, E., Sarafidis, Y., Mirasgedis, S., Zaimi S. and D. P. Lalas, 2003: *A Multiple Criteria Decision-Aid Approach in Defining National Priorities for Greenhouse Gases Emissions Reduction in the Energy Sector*. European Journal of Operational Research 146,199-215.
27. Sarafidis, Y., Mirasgedis, S., Georgopoulou, E., and Lalas, D.P., 2002: *Economic Evaluation of CO<sub>2</sub>-emission Abatement Measures in the Greek Energy Sector*. Journal of Environmental Planning and Management 45(2), 181-198.
28. Mirasgedis, S., Sarafidis, Y., Georgopoulou, E., and Lalas, D.P., 2002: *The Role of Renewable Energy Sources within the Framework of the Kyoto Protocol: the case of Greece*. Renewable and Sustainable Energy Reviews 6, 249-272.
29. Georgopoulou, E., Kotronarou, A., Koussis, A., Restrepo, P.J., Gomez-Gotor, A., Rodriguez-Jimenez, J.J., 2001: *A methodology to investigate brackish water desalination coupled with aquifer recharge by treated wastewater as an alternative strategy for water supply in Mediterranean areas*. Desalination 136, 307-315.
30. Georgopoulou, E., Sarafidis, Y., Diakoulaki, D., 1998: *Design and implementation of a group DSS for sustaining renewable energies exploitation*. European Journal of Operational Research, 109, 483-500.
31. Georgopoulou, E., Lalas, D.P., Papagiannakis, L., 1997: *A Multicriteria Decision Aid approach for energy planning problems: The case of renewable energy option*. European Journal of Operational Research, 103, 38-54.

**Total citations, excluding self-citations, as of 29/5/2018: 1370, h index: 17**

Number of citations	< 2014	2014	2015	2016	2017	2018	Total
All citations	617	106	161	250	268	123	<b>1525</b>
Excluding self-citations:	599	106	154	249	266	123	<b>1497</b>

## 11. Rest publications

### In peer-reviewed conference proceedings (full paper reviewed)

1. Mavrotas, G., Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Lalas, D., Hontou, V., "Evaluation and Selection of Best Available Techniques (BAT) for the industries in greater Athens area using multiobjective combinatorial optimization", Proceedings of the 19th Mini-EURO Conference ORMMES 2006 'Operational Research Models and Methods in the Energy Sector', 6-8 September 2006, Coimbra-Portugal, 2006.
2. Georgiou, P., Tourkolias, C., Diakoulaki, D., Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Lalas, D.P., "Muticriteria evaluation of investment opportunities for the exploitation of the flexible mechanisms of the Kyoto Protocol", Proceedings of the 9th Conference on Environmental Science and Technology G-NEST, pp. 479-484, Rhodes, 2005.
3. Papagiannaki, K., Mirasgedis, S., Georgopoulou, E., Sarafidis, J., and Lalas, D.P., Estimate of Emissions Scenarios Effects on Climate Parameters in the Balkan Region, 8th Conference on Environmental Science and Technology G-NEST, pp. 659-666, Lemnos 2003.
4. Mirasgedis, S., Sarafidis, J., Georgopoulou, E., Adamopoulou, N. and Lalas, D.P., Evolution of Baseline Energy Consumption and Energy Related CO<sub>2</sub> Emissions in Greece on the Basis of Alternative Energy Prices Scenarios, 7th Conference on Environmental Science and Technology G-NEST, Vol. B, pp. 639-650, Syros 2001.

5. Sarafidis, J., Mirasgedis, S. and Georgopoulou, E., Economic Evaluation of CO2 Emission Abatement Measures in the Greek Energy Sector, 7th Conference on Environmental Science and Technology G-NEST, Vol. B, pp. 780-791, Syros 2001.
6. Georgopoulou, E., Kotronarou, A., Koussis, A., Restrepo, P.J., Gómez-Gotor, A., Rodríguez-Jimenez, J.J., 2000, "A methodology to investigate brackish groundwater desalination coupled with aquifer recharge by treated wastewater as an alternative strategy for water supply in Mediterranean areas", Proceedings of the EuroMed-2000 Conference on Desalination Strategies in South Mediterranean Countries, 11-13 September, Jerba – Tunisia.
7. Georgopoulou, E., Lalas, D.P., 1997: "Multicriteria decision-aid tools for attaining greater public acceptance in renewable energy sources exploitation", Proceedings of the International Workshop on Wind Energy and Landscape (WEL), pp. 147-160, Genova.
8. Assimacopoulos, D., Diakoulaki, D., Georgopoulou, E., 1993: "Regional Energy Planning by incorporating Renewable Energies", in Applied Stochastic Models and Data Analysis: Proceedings of the 6th International Symposium, J. Janssen and C. Skiadas (Eds), World Scientific Publishing Co., Vol.1, pp. 34-48.

*In peer-reviewed conference proceedings (abstract reviewed)*

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