

CURRICULUM VITAE of **Elena Georgopoulou**

1. Personal data

PLACE/DATE OF BIRTH: Athens, 1966
 NATIONALITY: Greek
 TITLE: Dr. Chemical Engineering – MSc. Environmental Management
 ADDRESS: Raidestou 70, Nea Smirni, 17122 Athens Greece
 TELEPHONE: +30-210-9358097 (home), +30-210-3256216 (office), +30-6945-294695
 FAX: +30-210-3256212
 e-mail: elenag@noa.gr

2. Previous employment – Professional experience

2000 – present: Initially Junior Researcher (February 2000 – June 2003) then Associate Researcher (July 2003 – March 2008) and, since April 2008, Senior Researcher at the Institute of Environmental Research and Sustainable Development (IERSD) of the National Observatory of Athens (NOA). Main research fields:

- Economic and environmental and assessment of policies and measures for the reduction of greenhouse gases emissions, with emphasis on the exploitation of renewable energies and energy conservation
- Development of scenarios regarding energy demand, industrial production, waste generation and environmental burdens from anthropogenic activities
- Integration of renewable energies and energy conservation in energy planning – Exploitation of economic instruments for the promotion of renewable energies and energy conservation
- Assessment of climate change impacts and adaptation options
- Assessment of environmental and economic impacts from the introduction of Best Available Techniques in industry
- Methodologies for developing inventories of greenhouse gases emissions and emissions of other air pollutants
- Implementation of the flexible mechanisms of the Kyoto Protocol, with emphasis on Emissions Trading

1997 - 1999: Collaboration, as an External Scientist, with the National Observatory of Athens, in scientific activities related to the economic evaluation of alternative water management strategies in regions facing water shortage problems and development of relevant decision-support tools, compilation of annual inventories of greenhouse gases emissions and emissions of other air pollutants, application and enforcement of environmental legislation.

1992 - 1997: Collaboration, as an External Scientist, with the Laboratory of Industrial and Energy Economics, Department of Chemical Engineering at the National Technical University of Athens in research activities related to the exploitation and promotion of renewable energies, development of a methodological framework and relevant decision-support tools for the integration of renewable energies in regional and local energy planning.

1991 - 1995: Collaboration, as a technical consultant, with the Greek private consulting companies in studies related to waste management, regional energy planning, identification of regional investment opportunities studies and assessment of the economic viability of industrial activities.

3. Education

1998: **PhD** 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) [Imperial College of Science, Technology and Medicine - Ecole Polytechnique Fédérale de Lausanne (EPFL) - Université de Genève - Universität Trier - Université Nancy 2 - Politecnico di Torino - Università degli Studi di Parma - Università di Bologna - Université Libre de Bruxelles - Erasmus Universiteit Rotterdam - Universiteit Tilburg]. Title of thesis: "Environmental Evaluation of Alternative Strategies in Electricity Generation: The Case of Renewable Energy Option" (grade: With Honours)

1989: **Diploma** 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

- ↪ Optimization of electricity generation systems (WASP)
- ↪ Modelling linear, non-linear and mixed integer optimisation problems through the use of the software tool GAMS (General Algebraic Modelling System).
- ↪ Statistical analysis (SPSS)
- ↪ Future climatic scenarios (MAGGIC/SCENGEN)
- ↪ Modelling, evaluation and optimisation of integrated processes in industries, including environmental assessment, through the use of the software tool SuperPro Designer.
- ↪ Assessment of alternative options through the use of multicriteria decision-aid software tools (ELECTRE I-IV, ELECTRE TRI, PROMETHEE, MACBETH).
- ↪ Programming in Visual Basic 6.0 environment.
- ↪ Evaluation of climate change impacts in agriculture, through the use of the software tool DSSAT.

6. Participation in International Organizations as a technical expert

- ↪ Lead Author in the upcoming IPCC Fifth Assessment Report (AR5), in WGII (Impacts, Adaptation and Vulnerability)/ Chapter 23 (Europe)
- ↪ Participation in IPCC expert meetings on the development of new GHG emissions scenarios
- ↪ In 2005 and 2006, participation in the expert review of the 4th Assessment Report of IPCC (Working Group III: Mitigation).

7. Representation of Greece in International Organizations

- ↪ Since 2010, nominated as the Greek Focal Point to the IPCC
- ↪ Since 1999, participation as a member of the Greek Delegation in all formal regular meetings of the Subsidiary Bodies (SBI, SBSTA) of the United Framework Convention on Climate Change (UNFCCC) and the annual meetings of the Conference of the Parties (COP) to the Convention, with the responsibility of technical consultant on the issues of a) reporting and accounting b) development and implementation of the Kyoto Protocol flexible mechanisms.
- ↪ Since 2003, participation as a technical consultant in the regular meetings of the European Union Expert Groups on reporting / accounting, KP flexible mechanisms and Further Action regarding GHG emission reduction commitments.

8. Participation in projects

8.1. As Principal Investigator

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 (MZOIP) – Croatia, Ministry of Sustainable Development and Tourism (MSDT) – Montenegro, Ministry of Environment, Forests and Water administration (MoEFWA) – Albania, Ministry of Energy, Development and Environmental Protection (MERZ) – Serbia, Ministry of Environment and Physical Planning (MoEPP) – FYROM. Budget: 1,515,451€ (NOA: 147,282€), Duration: 10/2012 – 9/2014.
2. "*Support Actions for the fulfillment of national commitments under the UNFCCC and the Kyoto Protocol*". Commissioned by: 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*". Commissioned by: 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)*". Commissioned by: 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*". Commissioned by: 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*". Commissioned by: 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 the Federal Republic of Yugoslavia*". Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 190,755 €.
8. "*Capacity building for climate change related activities in Bulgaria*". Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 199,600 €.

8.2. As member of the work team

1. "*Adaptation of an energy model for the estimation of greenhouse gases emissions*". Commissioned by: Centre for Renewable Energy Sources (KAPE/CRES). Undertaken by: National Observatory of Athens, Duration: 2011-2012, Budget: 17,500€.
2. "*Simulation of the Greek energy system for the estimation of the energy conservation potential*". Commissioned by: Centre for Renewable Energy Sources (KAPE/CRES). Undertaken by: National Observatory of Athens, Duration: 2011-2012, Budget: 17,500€.
3. "Support for the free allocation of GHG emission credits to installations during the period 2013-2020 with the framework of the EU-ETS". Commissioned by: Ministry for Energy, Environment and Climate Change. Undertaken by: National Observatory of Athens, Duration: 2012, Budget: 15,000€.
4. "*Tools for sustainability: development and application of an integrated framework (SusTools)*". Commissioned by: 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, Budget: 593,000 €
5. "*Externalities of Energy: Extension of accounting framework and policy applications (ExternE-Pol)*", Commissioned by: DG Research of the European Commission within the framework of EESD-ESD-3 ("Environment and Sustainable Development"), Undertaken by: ARMINES (France), NTUA (Greece), VITO (Belgium), EAIR (Γερμανία), Duration: 2002 – 2004, Budget: 969,000 €
6. "*Evaluating, monitoring and strengthening the environmental dimension of the Operational Program for Competitiveness*". Commissioned by: Greek Ministry for Development within the 3rd Community Support Framework – Operational Programme "Competitiveness", Undertaken by: National Observatory of Athens, Duration: 2003, Budget: 90,000 €.
7. "*The effects of environmental constraints in the electricity generation sector*". Commissioned by: Greek Public Power Corporation, Undertaken by: National Observatory of Athens, Duration: 2002 – 2003, Budget: 23,600 €
8. "*Capacity building for climate change related activities in Romania*". Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 199,560 €.
9. "*Capacity building for climate change related activities in Albania*". Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 184,886 €
10. "*Capacity building for climate change related activities in Bosnia - Herzegovina*", Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 190,800 €
11. "*Capacity building for climate change related activities in FYROM*". Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: 176,000 €.
12. "*Planning of Support Policies and Measures for the Limitation of CO₂ Emissions in the Residential – Tertiary Sector*". Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2002, Budget: 88,000 €

13. *"2nd National Programme for the reduction of greenhouse gases in Greece during the 2000-2010 time horizon"*. Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 2001 – 2002, Budget: included in the budget of the program "Climate Change" (see below)
14. *"Facilitating the Kyoto Protocol Objectives by the Clean Development Mechanism in Small Island Developing States - CDMSIDS Project"*. Commissioned by: 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, Budget: 75.000 € (total, of which NOA: 17,660 €)
15. *"Inventory of air emissions, solid and liquid wastes from industry and air emissions from central heating installations"*, Commissioned by: 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, Budget: 235,000 € (total, of which NOA: 52,000 €).
16. *"Climate Change"*. Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 1998 – 2002, Budget: 530,000 €.
17. *"Optimal integration of environmental requirements, deriving from the Kyoto Protocol, in national energy planning for the next decade"*, Commissioned by: Greek Ministry for Development, Undertaken by: National Observatory of Athens, Duration: 1999 – 2000, Budget: 143,000 €.
18. *"Utilization of Groundwater Desalination & Wastewater Reuse in the Water Supply of Seasonally-Stressed Regions (WASSER)"*. Commissioned by: 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 (EKOE) and the Ministry for Agriculture of Cyprus, Duration: 1998 – 2001, Budget: 906,000 € (total), NOA: 389,200 €
19. *"Development of infrastructure for the enforcement of environmental law in plants and activities (INSPECTORATE)"*, Commissioned by: Greek Ministry for the Environment, Physical Planning and Public Works, Undertaken by: National Observatory of Athens, Duration: 1996-1997, Budget: 150,000 €.
20. *"Implementing Large Scale Integration of Renewables (REPLAN)"*. Commissioned by: European Commission, DG XII, APAS Programme, Contract No.: RENA-CT94-0005, Undertaken by: National Technical University of Athens, Ecole Polytechnique Federal de Lausanne (Switzerland), CENET Ltd. (Germany), Duration: 1995 – 1996.
21. *"Developing Decision Making Support Tools for the Integration of Renewable Energies in Integrated Systems at the Local Level (DRILL)"*, Commissioned by: European Commission, DG XII, JOULE II Programme, Contract No.: JOU2-CT92-0190, Undertaken by: National Technical University of Athens, Aristotle University of Thessaloniki, Ambiente Italia (Italy), Ecoclub of Rome (Italy), Greek Centre for Renewable Energy Sources, Duration: 1992 – 1995.
22. *"Database and decision-support tool for the combined local exploitation of renewable energies"*. Commissioned by: General Secretariat for Research and Technology, Contract No.: 89-EK 35-1, Undertaken by: National Technical University of Athens, Aristotle University of Thessaloniki, Duration: 1992 – 1994.

9. Other professional activities

1. Reviewer in scientific journals (Energy Policy, European Journal of Operational Research (EJOR), Journal of Environmental Management, Journal of Cleaner Production, Computers & Industrial Engineering)
2. Member of the Executive Board of the National Centre for Environment and Sustainable Development (EKPIAA) during 2010-2011.
3. Member of the Hellenic Association of Chemical Engineers
4. Member of the EURO Working Group Multicriteria Decision Aiding
5. Member of the Hellenic Solid Waste Management Association
6. Member of the Hellenic Association of Researchers
7. Member of the international organizing committee of the 19th Mini EURO (Association of European Operational Research Societies) Conference on "OR Models and Methods in the Energy Sector", 6-8 September 2006, Coimbra – Portugal.

10. Publications

10.1. In peer-reviewed international journals

1. 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., 2013: EURO-CORDEX: new high-resolution climate change projections for European impact research. *Regional Environmental Change* (in press), 1-16.
2. 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.
 3. 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* (in press)
 4. 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.
 5. 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.
 6. 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.
 7. 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.
 8. 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.
 9. 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.
 10. 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.
 11. 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.
 12. 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.
 13. 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.
 14. 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.
 15. 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.
 16. 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.
 17. 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.
 18. Bosioli, E., Sarafidis, Y., Georgopoulou, E., Mirasgedis, S., Lalas, D.P., and Pesmajoglou, S., 2004: The Application of the RAINS Model for Greece. *International Journal of Environment and Pollution*, 21(2), 132-152.

19. Mirasgedis, S., Georgopoulou, E., Sarafidis, Y., Balaras, C., Gaglia A., and Lalas, D.P., 2004: CO2 Emission Reduction Policies in the Greek Residential Sector: A Methodological Framework for their Economic Evaluation. *Energy Conversion and Management*, 45, 537-557.
20. 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.
21. 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.
22. Sarafidis, Y., Mirasgedis, S., Georgopoulou, E., and Lalas, D.P., 2002: Economic Evaluation of CO2-emission Abatement Measures in the Greek Energy Sector. *Journal of Environmental Planning and Management*, 45(2), 181-198.
23. 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.
24. 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.
25. 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.
26. 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.
27. Diakoulaki, D., Georgopoulou, E., Papagiannakis, L., 1996: Designing a Decision Support System for regional energy planning. *Foundations of Computing and Decision Sciences*, 21(2), 67-79.

10.2. 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 CO2 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.

10.3. In peer-reviewed conference proceedings (abstract reviewed)

1. S. Skoulaxinou, A. Karkazi, N. Gargoulas, A. Mavropoulos, E. Georgopoulou, N. Gakis, D. Dermatas, G. Mavrotas, V. Katsouros, 2012: "Waste management multi-objective optimization for greenhouse gases emissions", *ISWA World Solid Waste Congress 2012*, 17th-19th September, Florence – Italy (proceedings distributed at the congress, in CD format)

2. G. Mavrotas, S. Skoulaxinou, N. Gakis, V. Katsouros, N. Gargoulas, E. Georgopoulou, 2012: "Integrated Municipal Solid Waste management through multi-criteria optimisation encountering cost and GHG emissions: Model building and application", ATHENS 2012 International Conference on Sustainable Solid Waste Management, 28th-29th June, Athens – Greece. (Proceedings in ISO format, available at: http://uest.ntua.gr/athens2012/?page_id=21)
3. G. Mavrotas, C. Katsi, R. Skoulaxinou, N. Gakis, V. Katsouros, E. Georgopoulou, N. Gargoulas, 2012: "Strategic Planning and multicriteria optimization: The case of management and energy exploitation of solid wastes at regional level", Proceedings of the 23rd National Conference "Management of Energy Resources and Systems" of the Hellenic Society of Operational Research, 23ου Εθνικού Συνεδρίου της Ελληνικής Εταιρείας Επιχειρησιακών Ερευνών «Διαχείριση Ενεργειακών Πόρων / Συστημάτων», September 12 – 14, NTUA – Athens, pp. 37-43 (Proceedings in Greek and pdf format, available at: http://23eeee.epu.ntua.gr/Portals/3/mergaz/Πρακτικά_συνεδρίου_v2.pdf).
4. Mavrotas, G., Georgopoulou, E., Mirasgedis, S., Sarafidis, Y., Lalas, D., Hontou, B., Gakis, N., 2007: "An integrated approach for the assessment and selection of Best Available Techniques (BAT) in the industries of Attica region through the utilization of multicriteria mathematical programming", 6th Hellenic Conference of Chemical Engineering, 31 May-2 June, Athens, pp. 669-672 (in Greek).
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