

Curriculum Vitae

Name: **Stelios P. Rozakis**
Date of Birth: 4/4/1964
Marital status: Married, two children
Work coordinates: University Campus, Kounoupidiana, 73100 Chania, GR
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A. PROFESSIONAL EXPERIENCE

2016 - Associate Professor "*Operations Research in Agriculture and Energy*", School of Environmental Engineering, Technical University of Crete

2010 - 2015 Associate Professor "*Operations Research in Agriculture and Energy*", Department of Agricultural Economics and Development, Agricultural University of Athens

2004- 2010 Assistant Professor, Laboratory of Agribusiness Management, Dept. of Agricultural Economics and Rural Development, Agricultural University of Athens

2002-2004 Senior Research Fellow, National Institute of Agricultural Research (INRA), Unité Mixte de Recherche: Economie Publique, France

2001 Research fellow (Marie-Curie return grant), Mediterranean Agronomic Institute of Chania (MAICh)

1997-2000 Research fellow in the National Institute of Agricultural Research, France, Training and Mobility Research Program - European Commission

1997 Financial Analyst, Greek Telecommunications Ltd (O.T.E.)

1993-1997 Research assistant, Dept of Agricultural Economics, Agricultural Univ of Athens

1991-1993 Military Service, Armored Division.

B. STUDIES AND DEGREES

2000 Ph.D. in Agricultural Economics entitled "*Biomass as a renewable energy source and an alternative use of land: A socio-economic approach*", Agricultural University of Athens, Agricultural Economics Department.

The dissertation was prepared in the period 1995-2000 including external seminars as follows:

- (1995) Sustainable Development, IAM Montpellier, Caire, Egypt
- (1996) Environmental and Conservation Policies, Agr Univ Athens, Greece
- (1998) New systemic approaches for alternative land use – Economics of Natural Resources and (1999) Multi-criteria programming in agriculture, IAM Zaragoza, Spain
- (1999) Multi-criteria Decision Support, LAMSADE-Dauphine, Paris, France
- (1999) GAMS software and (2000) Coping with risk in Agriculture, Wageningen NL

1991 Master's of Public Affairs (M.P.A.) in **Public and Environmental Policy Analysis, Energy policy**, Indiana University, School of Public and Environmental Affairs

1989 D.E.A. in **Sociology**, "*Technical Innovation and Social Change*", University of Paris I, Panthéon-Sorbonne, Department of Philosophy

1988 D.E.S.S. “*Evaluation of Projects and Industrial Development*”, University of Paris I, Panthéon-Sorbonne, Institute of Economic and Social Development Studies (IEDES)

1986 Bachelor in **Economics**, Athens University of Economics and Business, Dept of Economics

Scholarships - Awards

1997-2000 Marie-Curie Doctoral Fellowship Training and Mobility Research Program, DG for Science, Research and Development, European Commission

1991 Burham Foundation Grant for research work in the East-West Center

1990 Indiana University Scholarship, International Student Services

C. TEACHING EXPERIENCE

Undergraduate courses in TUC: Project Management, Sustainable Development, Strategic planning and Innovation management, Micro and Macro Economics

Graduate level (TUC): Environmental Economics and Policy, Business Economics

Undergraduate courses in AUA: Operations Research in Agriculture, Mathematics of Finance, Investment Appraisal, Agricultural Economics and Policy, Economics of Animal Production

Graduate level MBA in Agribusiness (AUA): Operations Research, Management Science

Graduate level Natural Resource-Agr Engineering (AUA): Socio-economics of Energy

Lab director - Supervisor and/or member of the committee in graduate and doctoral theses

- Bioeconomy and Biosystems Lab (BiBEL), EnvEng, TUC, Greece (established in 2019)

Supervisor in doctoral dissertations:

2021- I. Kanakis “Socio-technological transitions and urban transformation: from history to contemporary challenges of sustainable transitions in the city of Chania (Crete)”

2019- K. Troullaki - Researchship ELIDEK “Life Cycle Sustainability Assessment of Distributed Manufacturing”

Calendar of visiting researchers/scholars in BiBEL:

2022 Spring Semester, Marina Papadaki (Lab Teaching Staff in sabbatical leave from the Dept of Sociology, Univ of Crete), topic: Statistical analysis of Environmental Migration

2021 June-September, Nelson Kevin Sinisterra Solís (doctoral candidate, Politecnica de Valencia), topic: Sustainability assessment methods in the agri-food supply

2020 Andrea Bartoli (post-doc researcher, Politecnico di Milano & Univ of Salerno) – topic: Biogas chain model building for policy decisions

- Graduate program: Integrated Rural Development & Management of Rural Space, Dept. of Agricultural Economics, AUA

Supervisor in doctoral theses

2013-2018 D. Kremmydas « Integrated agent based model of Greek agriculture for policy analysis” (currently senior researcher in EC Joint Research Center, Sevilla, previously Assistant technical staff in AUA)

2007- 2012 A. Petsakos State Scholarship-IKY «A bio-economic approach in mathematical model building of arable farms”, AUA (currently senior researcher in EC Joint Research Center, Sevilla, previously International Potato Institute in Lima, Peru)

2006-2011 I. M. Haque State Scholarship-IKY «Economic and Environmental Evaluation of Bioethanol production in the ex-Sugar Factory in Thessaly, AUA (currently with the Sugar Institute in Dhaka, Bangladesh)

Member of the committee in graduate and doctoral theses

- Department of Bioeconomy and Systems Analysis, IUNG, Poland
- MBA in Food & Agribusiness Management, collaboration: Agricultural Economics and Food Science and Technology Departments of AUA
- Master's in Systems and Renewable Energy Sources, Agr Eng and Natural Resources, AUA
- Dynamique Territoriale et Aménagement Rural, Lab of Rural Space, University of Thessaly
- Master's in Business Economics and Management, MAI Chania

Visiting Professor/Scholar

Aug 2017- July 2018: Department of Bioeconomy and Systems Analysis, IUNG, Poland

April 2010: University Paris-Dauphine, Laboratory of Decisions Support Systems (LAMSADÉ).

2002-2004: University of Crete, Department of Economics, adjunct professor 407/80

Undergraduate courses: ***Decision Theory and Multi-criteria Analysis, Microeconomics, Statistics***

2001-2002 Technological Education Institute of Crete, Natural Resource Systems and Management, undergraduate courses: ***Energy Economics, Environmental Sociology.***

Lectures at the graduate level :

- Cracow University of Economics (2019)
- Mediterranean Agronomic Institute of Chania (2009)
- AgroParisTEch, Agronomic University in Paris (2002)
- University of Montpellier Paul Valery (2000-2002)
- Polytechnic University of Yaoundé, Cameroun (2000)
- Mediterranean Agronomic Institute of Montpellier (1998-2002)

Involvement in national/international Higher Education and Research organisations

2019 - : Member of the Scientific Council in the Agricultural Economics Research Institute, Hellenic Agricultural Organization 'Demeter'

2015-2017: Member of the advisory board of BioEcon H2020-WIDESPREAD-2014-2 project

2010-2013: Member of the advisory board of PROFICIENCY project to foster the integration of IUNG (Institute of Soil Science and Plant Cultivation, Pulawy, Poland) within the European Research Area (ERA)

2005: Member of the Evaluation Committee of Biomass Division in CIRAD (Coopération Internationale en Recherche Agronomique pour le Développement) –Montpellier, FR

D. RESEARCH WORKS AND ACTIVITY

Research focuses on decision theory and operation research methods applied to agriculture and energy as well as Policy Analysis. Published research can be classified in topics as follows:

[reference # of publication – after 2016 in red]

Decision making for enterprises in the agricultural and the energy sector.

Mathematical programming at the farm level [1, 2, 7, 8, 11, 30, 35, 38, 48, 49, 50, 57, 62]

Economic evaluation of biomass to energy [12, 20, 32, 51, 52, 53, 55, 63, 65, 69]

Socio-economic evaluation of agro-energy carriers and Renewable ES [5, 33, 39, 41, 58, 66, 72]

Policy analysis in agriculture and the energy sector

Agricultural and natural resources policy analysis [23, 34, 45, 46, 60]

Evaluation of energy and environmental policy [3, 15, 16, 29]

Impact analysis at the meso-macro-economic level [4, 13, 17, 47, 64]

Strategic planning and innovation management [9, 14, 21, 22, 26, 27, 28, 71]

Decision theory and multi-criteria analysis

Multi-criteria decision analysis methods [18, 31, 43, 70]

Multi-objective optimization [24, 36, 37, 40, 42, 54, 56, 67, 68]

Decision support and transdisciplinary research [6, 10, 19, 25, 59, 61]

Publications in refereed journals

1. Kleftodimos G., Gallai, N., Rozakis, S., Képhaliacos, C. A farm-level ecological-economic approach of the inclusion of pollination services in arable crop farms (forthcoming) *Land Use Policy*
2. Petsakos A., Rozakis S. Models and muddles: comment on ‘Calibration of agricultural risk programming models using positive mathematical programming’ (forthcoming) *Australian Journal of Agricultural and Resource Economics*
3. Jurga P., Loizou E., Rozakis S. Comparing Bioeconomy Potential at National vs. Regional Level Employing Input-Output Modeling (2021) *Energies* 14(6), art no. 1714
4. Bartoli, A., Ben Fradj, N., Gałczyńska, M., Jędrejek, A., Rozakis, S., Shu, K. Spatial Economic Modeling of the Waste-driven Agricultural Biogas in Lubelskie (2021) *Environmental and Climate Technologies*, 24 (3), pp. 545-559.
5. Troullaki, K., Rozakis, S., Kostakis, V. Bridging barriers in sustainability research: A review from sustainability science to life cycle sustainability assessment(2021) *Ecological Economics*, 184, art. no. 107007.
6. Król-Badziak, A., Pishgar-Komleh, S.H., Rozakis, S., Księżak, J. Environmental and socio-economic performance of different tillage systems in maize grain production: Application of Life Cycle Assessment and Multi-Criteria Decision Making (2021) *Journal of Cleaner Production*, 278, art. no. 123792.
7. Kampas A., Rozakis S., Faber A., Mamica L. Assessing the Green Growth Trajectory through Resource and Impact Decoupling Indices: The Case of Poland (2021) *Polish Journal of Environmental Studies* 30(3):2573–2587
8. Ben Fradj, N., Jayet, P.A., Rozakis, S., Georganta, E., Jędrejek, A. Contribution of agricultural systems to the bioeconomy in Poland: Integration of willow in the context of a stylised CAP diversification (2020) *Land Use Policy*, 99, art. no. 104797, .
9. Pubule, J., Blumberga, A., Rozakis, S., Vecina, A., Kalnbalkite, A., Blumberga, D. Education for advancing the implementation of the bioeconomy goals: An analysis of MASTER study programmes in bioeconomy (2020) *Environmental and Climate Technologies*, 24 (2), pp. 149-159.

10. Ben Fradj, N., Rozakis, S., Borzęcka, M., Matyka, M. Miscanthus in the European bio-economy: A network analysis (2020) *Industrial Crops and Products*, 148, art. no. 112281.
11. Pishgar-Komleh, S.H., Zylowski, T., Rozakis, S., Kozyra, J. Efficiency under different methods for incorporating undesirable outputs in an LCA+DEA framework: A case study of winter wheat production in Poland (2020) *Journal of Environmental Management*, 260, art. no. 110138.
12. Shu, K., Kozak, M., Fradj, N.B., Zylowski, T., Rozakis, S. Simulation of sorghum introduction and its impacts on land use change—A case study on Lubelski region of Eastern Poland (2020) *GCB Bioenergy*, 12 (4), pp. 252-274.
13. Dolge, K., Kubule, A., Rozakis, S., Gulbe, I., Blumberga, D., Krievs, O. Towards industrial energy efficiency index(2020) *Environmental and Climate Technologies*, 24 (1), pp. 419-430.
14. Panagopoulos, A., Rozakis, S., Sideri, K., Anagnosti, A. University Technology Transfer and Agricultural Science Entrepreneurial Education: a View from Inside (2019) *Journal of the Knowledge Economy*, 10 (4), pp. 1466-1481.
15. Drivas, K., Rozakis, S., Xesfingi, S. The effect of house energy efficiency programs on the extensive and intensive margin of lower-income households' investment behavior (2019) *Energy Policy*, 128, pp. 607-615.
16. Bartoli, A., Hamelin, L., Rozakis, S., Borzęcka, M., Brandão, M. Coupling economic and GHG emission accounting models to evaluate the sustainability of biogas policies (2019) *Renewable and Sustainable Energy Reviews*, 106, pp. 133-148.
17. Loizou, E., Jurga, P., Rozakis, S., Faber, A. Assessing the potentials of bioeconomy sectors in Poland employing input-output modeling (2019) *Sustainability* (Switzerland), 11 (3), art. no. 594.
18. Król, A., Książak, J., Kubińska, E., Rozakis, S. Evaluation of sustainability of maize cultivation in Poland. A prospect theory-PROMETHEE approach (2018) *Sustainability* (Switzerland), 10 (11), art. no. 4263.
19. Kremmydas, D., Athanasiadis, I.N., Rozakis, S. A review of Agent Based Modeling for agricultural policy evaluation (2018) *Agricultural Systems*, 164, pp. 95-106.
20. Rozakis, S., Borek, R. Evaluation of agricultural reactivation on abandoned lands in Poland (2018) *AgBioForum*, 21 (2), pp. 135-152.
21. Rozakis, S., Viaggi, D., Oleszek, W. Central-Eastern European agriculture and the transition to bioeconomy (2018) *AgBioForum*, 21 (2), pp. 61-63.
22. Konstantinis, A., Rozakis, S., Maria, E.-A., Shu, K. A definition of bioeconomy through the bibliometric networks of the scientific literature (2018) *AgBioForum*, 21 (2), pp. 64-85.
23. Kampas, A., S.Rozakis, 2017. On the scarcity value of irrigation water: Juxtaposing two market estimation approaches, *Water Resources Management*, 31 (4):1257-1269
24. Escobar, N., Manrique-de-Lara-Peñate, C., Sanjuán, N., Clemente, G., Rozakis, S., 2016. An agro-industrial model for the optimization of biodiesel production in Spain to meet the European GHG reduction targets, *Energy* 120: 619-631
25. Cartalos, O., Rozakis, S., Tsiouki, D., 2016. A method to assess and support exploitation projects of university researchers, *Journal of Technology Transfer* 43 (4): 986-1006.
26. Carayannis, E.G., Rozakis, S., Grigoroudis, E., 2016. Agri-science to agri-business: the technology transfer dimension, *Journal of Technology Transfer*, 43 (4): 837-843.
27. Drivas, K., Panagopoulos, A., Rozakis, S., 2016. Instigating entrepreneurship to a university in an adverse entrepreneurial landscape, *Journal of Technology Transfer* 43 (4): 966-985.
28. Drivas K., A.T.Balafoutis, S. Rozakis, 2016. Research funding and academic output: evidence from the Agricultural University of Athens, *Prometheus* (United Kingdom) 33 (3): 235-256

Before integration to the School of Environmental Engineering TUC

29. Bartoli, A., Cavicchioli, D., Kremmydas, D., Rozakis, S., Olper, A. 2016. The impact of different energy policy options on feedstock price and land demand for maize silage: The case of biogas in Lombardy, *Energy Policy*, 96, pp. 351-363.
30. A. Petsakos, S. Rozakis, 2015. Calibration of agricultural risk programming models, *European Journal of Operational Research* 242: 536-545
31. Georgiou, D., Mohammed, E.S., Rozakis, S., 2015. Multi-criteria decision making on the energy supply configuration of autonomous desalination units, *Renewable Energy* 75: 459-467
32. S. Rozakis, D. Kremmydas, R. Pudełko, M. Borzecka-Walker, A. Faber, 2013. Straw potential for energy purposes in Poland and optimal allocation to major co-firing power plants, *Biomass & Bioenergy* 58: 275-285
33. S.Rozakis, I.M.Haque, A. Natsis, M. Borzecka-Walker, K. Mizak, 2013. Cost-effectiveness of bioethanol policies to reduce carbon dioxide emissions in Greece, *International Journal of Life Cycle Assessment* 18: 306–318
34. A. Kampas, A. Petsakos, S. Rozakis, 2012. Price induced irrigation water saving: Unraveling conflicts and synergies between European agricultural and water policies for a Greek Water District, *Agricultural Systems* 113: 28–38
35. D.Kremmydas, A.Petsakos, S. Rozakis, 2012. Parametric Optimization of Linear and Non-Linear Models via Parallel Computing to Enhance Web-Spatial DSS Interactivity, *International Journal of Decision Support System Technology*, 4(1): 14-30
36. S. Rozakis , A. Sintori, K. Tsiboukas, 2012. Estimating utility functions of Greek dairy sheep farmers: A multicriteria mathematical programming approach, *Agricultural Economics Review* 13 (1): 111-120
37. Stelios Rozakis, 2011. Positive multicriteria models in agriculture for energy and environmental policy analysis, *Int. J. Multicriteria Decision Making* 1(3): 321-337
38. Stelios Rozakis, 2011. Impacts of flatter rates and environmental top-ups in Greece: A novel mathematical modeling approach, *Agricultural Economics Review* 12(2): 30-39
39. Kyriakarakos, G., Dounis, A.I., Rozakis, S., Arvanitis, K.G., Papadakis, G., 2011. *Polygeneration microgrids: A viable solution in remote areas for supplying power, potable water and hydrogen as transportation fuel*, *Applied Energy* 88: 4517-4526
40. A. Sintori, S. Rozakis, C. Tsiboukas, 2010. *Utility-derived supply function of sheep milk: The case of Etoloakarnania, Greece*, *Food Economics - Acta Agricult Scand C* 7 (2-4): 87-99
41. Iliopoulos, C., and S. Rozakis, 2010. Environmental cost-effectiveness of bio diesel production in Greece: Current policies and alternative scenarios. *Energy Policy* 38 (2): 1067-1078
42. M. Kourempele, G.Mavrotas, L.Geronikolou, S. Rozakis, 2009. Power generation expansion planning in an autonomous island system using multi-objective programming : the case of Milos island, *Operational Research International Journal* 10(1): 109-132
43. G. Mavrotas, and S. Rozakis, 2009. Extensions of the PROMETHEE method to deal with segmentation constraints: Application in a students' selection problem, *Journal of Decision Systems* 18(2): 203-229
44. A. Petsakos, S. Rozakis and K. Tsiboukas, 2009. Risk optimal farm plans in the context of decoupled subsidy payments: the case of cotton production in Thessaly, *Journal of Farm Management* 13(7): 467-483

45. A. Botonaki, K.Mattas, S.Rozakis, K.Tsiboukas, 2009. Impact des évolutions de la politique européenne sur les décisions des producteurs du coton en Grèce, *Cahiers Agricultures* 18(5): 402-407
46. S.Rozakis, K. Tsiboukas and M. Korasidis, 2008. CAP Reform Impacts To Greek Cotton Farmers: A Mathematical Programming Approach, *J Agricultural and Food Economics* 3(1-2): 95-116
47. Kulišić B., E. Loizou, S.Rozakis, and V. Šegon, 2007. Impacts of biodiesel production on Croatian economy, *Energy Policy* 35: 6036-6045
48. A.Kazakçi, , S. Rozakis, D. Vanderpooten, 2007. Energy crop supply in France : A min-max regret approach, *Journal of the Operations Research Society*, 58(11): 1470-1479
49. C.J. Pantzios, S. Rozakis, V. Tzouvelekas, 2006. Evading Farm Support Reduction Via Efficient Input Use: The Case of Greek Cotton Growers, *J Agricultural and Applied Economics* 3(1-2): 85-106
50. V. Lychnaras, S. Rozakis, 2006. Economic Analysis of Perennial Energy Crop Production in Greece under the light of the new C.A.P., *New MEDIT* 5(3), pp. 29-37.
51. S. Rozakis, J-C. Sourie, 2005. Micro-Economic Modelling of Bio-Fuel System in France to Determine Tax Exemption Policy under Uncertainty, *Energy Policy* 33(2) : 171-182
52. J-C Sourie, D. Tréguer, S. Rozakis, 2005. L’ambivalence des filières biocarburants, *Recherches en Economie et Sociologie Rurale*, no 2, Département Sciences Sociales, Agriculture et Alimentation, Espace et Environnement, INRA.
53. S. De Cara and S. Rozakis, 2004. Carbon sequestration through the planting of multi-annual energy crops: A dynamic and spatial assessment, *Agricultural Economics Review*, v. 5-1:56-72
54. S. Rozakis, P.G.Soldatos, L.Kallivroussis, I.Nikolaou, 2001. Multiple Criteria analysis of bio-energy projects: Evaluation of Bio-electricity production in Farsala plain, Greece, *Journal of Geographical Information and Decision Analysis*, 5(1): 49-64
55. J-C. Sourie, S. Rozakis, 2001. Bio-fuel production system in France: An Economic Analysis, *Biomass and Bio-energy*, v.20-6 (June): 483-489.
56. S. Rozakis, JC Sourie, D. Vanderpooten, 2001. Integrated micro-economic modeling and multi-criteria methodology to support public decision-making: The case of liquid bio-fuels in France, *Biomass and Bio-energy*, v.20-5 (May): 385-398
57. S.Rozakis, N. Danalatos, K.Tsiboukas, 2001. Crop rotation in Thessaly: bio-economic modelling for efficient management, *MEDIT* N° 4: 50-57
58. S.Rozakis, P.G. Soldatos, G. Papadakis, S. Kyritsis, D.Papantonis, 1997. Evaluation of an integrated renewable energy for electricity generation in rural areas, *Energy Policy* 25(3) : 337-347

Chapters in books and collective publications

59. Kremmydas, D., Konstantinis, A., Rozakis, S. 2021. The evolution of Decision Support Systems for agriculture: A bibliometric network approach, *Euro Working Group on DSS: A tour of the DSS development over the last 30 years*, (eds. Papathanasiou J., Zaraté P., J. Freire de Sousa), Springer-Nature
60. Kremmydas, D., Malliapis, M., Nellas, L., Polymeros, A., Rozakis, S., Tsiboukas, K. 2019. CAP Regionalization Design: A Decision Support System, *Communications in Computer and Information Science*, 953, pp. 84-96.

Before integration to the School of Environmental Engineering TUC

61. Rozakis S., 2010. A Web-based Spatial DSS for estimating biomass-to-energy supply in Thessaly, in *Decision Support Systems in Agriculture, Food and the Environment*, (eds. Manos et al.) IGI Global: 450-465

62. Petsakos A., S. Rozakis, 2009. Critical Review and State-of-the-Art of PMP Models: An Application to Greek Arable Agriculture, *Research Topics in Agricultural and Applied Economics 1*: 36-63, Bentham Science Publishers
63. S. Rozakis, 2008. Energy from biomass in Greece: Current situation and perspectives, in K.Krimpas and L. Louloudis (eds.) '*Greek agriculture and policy*', Academy of Athens (in greek)
64. Mattas K., E. Loizou, S. Rozakis, E. Tzouvelekas, 2006. Agricultural modelling: an input-output approach, στο Leaves and Cigarettes : Modelling the tobacco industry, with application to Italy and Greece, F. Ferretti (ed.), Francoangeli Publisher, Milano, pp. 177-242.
65. Sourie J-C, S. Rozakis, 2005. Analyse économique des filières biocarburants, στο La Chimie Verte, P. Colonna (ed.), Editions Tec & Doc - Lavoisier, pp. 511-524.
66. Rozakis S., Sourie J-C, Vanderpooten D., 2002. Determining efficient biofuel tax exemption policy in France for greenhouse gas emission abatement, in *Economics of Sustainable Energy Agriculture*, E.vanIerland & A.OudeLasink (eds.), Kluwer Academic Publishers, The Netherlands, pp. 217-237.
67. G. Mavrotas, S.Rozakis, 2002. A mixed 0-1 MOLP approach for the planning of biofuel production, in *Options Méditerranéennes*, Rozakis & Sourie (eds.), Special Issue 'Comprehensive economic and spatial bio-energy modeling', Series A - N° 48, CIHEAM
68. S.Rozakis, S.Casalegno, JM Gilliot, 2002. Multicriteria decision-making on bio-energy projects assisted by G.I.S.: current applications and perspectives, in *Options Méditerranéennes*, Rozakis & Sourie (eds.), Special Issue 'Comprehensive economic and spatial bio-energy modeling', Series A - N° 48 CIHEAM
69. S.Rozakis, JC Sourie, 2002. Micro-economic modelling of the biofuel chain system in France, in *Options Méditerranéennes*, Rozakis & Sourie (eds.), Special Issue 'Comprehensive economic and spatial bio-energy modeling', Series A - N° 48: 23-33 CIHEAM.
70. Rozakis S., 2001, Energy Crops Integration Using A Multiple Criteria Decision-Making Tool, eds. Varela, M. et al., Colección Documentos CIEMAT, ISBN 84-7834-404-7
71. S.Rozakis, 2000. Theory and practice of sustainable development and alternatives energy initiatives at the local level, in L.Louloudis and N. Beopoulos (eds.), Critical approaches to development and environmental protection of the countryside, Στοχαστής publishers (in greek).
72. S. Rozakis, 2000. Biofuel chains in France, in 'Technico-economic feasibility study of bio-fuels in Greece', ed. S. Kyritsis, Agr. Univ. of Athens Press

Editing of journal issues or collective publications

73. guest editor with Luka Juvančič 2021, Special Issue in Energies "*Bioeconomy for Resilient Post-Covid Economies*"
74. guest editor with Wieslaw Oleszek and Davide Viaggi 2018, Special Issue in AgBioForum "*Central Eastern European Agriculture and the Transition to Bioeconomy*"
75. guest editor with E. Carayannis and E. Grigoroudis 2018, Special issue Journal of Technology Transfer "*From Agri-Science to Agri-Business*"
76. co-editing with E. Carayannis, N. Kalaitzantonakis, E.Grigoroudis 2017, *Handbook Agriscience to Agribusiness*, Springer Innovation in Science Series

Before integration to the School of Environmental Engineering TUC

77. P. Soldatos and S. Rozakis (eds.), 2005. *The Food Industry in Europe*, Erasmus Intensive Programme in Business Management with Emphasis in Food Industry Enterprises, Agricultural University of Athens, p. 351.
78. S.Rozakis and JC. Sourie (eds.), 2002. *Options Méditerranéennes*, Special Issue on '*Comprehensive economic and spatial bio-energy modeling*', Serie A, No 48, CIHEAM.

ongoing research / papers submitted-under review

Kubińska E., M. Andrzejewski, M. Adamczyk and S. Rozakis. Status quo effect within PROMETHEE – the case of Cracow’s municipal companies. Under review in: *Socio-Economic Planning Sciences*

Kampas A., Rozakis S., A Fair and Participatory Procedure to Admit New Members in International Fishery Agreements: An Interactive Multi-criteria Approach. Submitted in: *Intern. Environmental Agreements: Politics, Law and Economics*

Kampas A., K. Czech, S. Rozakis. Revisiting the Casual Links between Environmental Terms of Trade, Globalization and Policy Stringency: the case of the V4 Countries. Submitted in: *Int. J. of Green Economics*

Rozakis S., A. Bartoli, K. Shu, A. Jędrejek, Ł. Mamica, J. Dach, P. Pochwatka, A. Kowalczyk-Juško. Policy impacts on biogas sector configuration in Lubelskie, Poland: An integrated modeling approach. Submitted in: *Energies* (Special issue : "Bioeconomy for Resilient Post-COVID Economies")

Communications/keynote/organisation to Conferences (>60)

18-19 September 2021 - Co-chair organizer of the 92d European Working Group-MultiCriteria Decision Analysis (EWG-MCDA) Meeting, "MCDA as a transdisciplinary science" Kraków

20-23 July 2021- invited speaker EAAE Congress Organized session "Status and Challenges for Sustainable Circular Bioeconomy in Central and Eastern Europe", Prague

13 May 2021 – (virtual) keynote speech 'Strategic thinking and policy for bioeconomy development' Conference on Environmental and Climate Technologies, CONECT Riga Tech Univ

20 Nov 2020 - Facilitator in the organized session / workshop - Rebooting the economy – sustainability, growth, and climate action delivered by the bioeconomy : The role of the bioeconomy in developing countries, GBS Global Bioeconomy Summit

22-23 September 2020 - Co-chair of scientific committee in SGGW Warsaw Univ of Life Sciences - ESARE III joint "Strategies for Bioeconomy in CEE countries"

Sep 2018 - Chair of the scientific and organizing committee 167th EAAE Seminar, IUNG Pulawy

S. Rozakis, Tech transfer in public academic institutions in agricultural sciences, BioEconomy in Agriculture, Institute of Soil Science & Plant Cultivation, Pulawy, Poland, June 2016

A. Bartoli, D. Caviccholi, A. Olper, S. Rozakis, Biogas Production in Lombardy: The Impact of Different Policy Options on Silage Maize Price and Land Use Change, accepted for oral presentation in the *International Conference of Agricultural Economists*, Milan, August 2015

N. Escobar, C. Manrique, N. Sanjuán, S. Rozakis, Environmental and economic assessment of the optimized biodiesel production in Spain from domestic raw materials, *VI International Conference on Life Cycle Assessment in Latin America: CILCA 2015, Lima, Peru, July, 2015*

C. Caldeira, L. Dias, F. Freire, D. Kremmydras, S. Rozakis, Allocating Shadow Prices in a Multiobjective Chance-Constrained Model For Biodiesel Blending, *Energy for Sustainability Conference*, Sustainable Cities: Designing for People and the Planet Coimbra, May, 2015

Liontakias, A., Kremmydras, D., and S. Rozakis, Performance and Sustainability in Academic Research: An Agricultural Higher Education Case, 146th EAAE Seminar " *Technology transfer as a driver of innovative entrepreneurship in agriculture and the agri-food industry*", MAICH, July 2015

K. Drivas, A. Panagopoulos, S. Rozakis, Likelihood and Technology Readiness of Disclosure at an Office of Technology Transfer, 146th EAAE Seminar " *Technology transfer as a driver of innovative entrepreneurship in agriculture and the agri-food industry*", MAICH, July 2015

previous years conferences organized by (classified by topic):

Agricultural, Environmental and Resource Economics: Agricultural Economics Society, European Association of Agricultural Economists, American Association of Agricultural Economists, Société Française Economie Rurale (SFER), Ελληνική Εταιρεία Αγροτικής Οικονομίας, European Society of Rural Sociologists, Ελληνική Εταιρεία Περιφερειακής Αναπτυξης

Energy and Environmental Economics: International Association of Energy Economists, International Conference on Sustainable Energy, International Water Association, International Conference on Life Cycle Management, European Biomass Conference, International Conference on Mechanical Engineering, American Society Agricultural Engineers (ASAE), Ινστιτούτο Ηλιακής Τεχνικής, Environmental Management, Engineering, Planning and Economics (CEMEPE 2011)

Operations Research: European Working Group Decision Multiple Criteria Decision Aiding (EWG-MCDA), European Working Group Decision Support Systems (EWG-DSS), Ελληνική Εταιρεία Επιχειρησιακών Ερευνών, Institute for Operations Research and Management Sciences (EURO/INFORMS), Balkan Conference on Operational Research (2011)

INVOLVED IN RESEARCH/EDUCATION PROJECTS

Project coordinator / principal investigator

Research

project (1):

Life Cycle Sustainability Assessment of Distributed Manufacturing

Unique contractor:

Technical University of Crete

Funding institution:

Ministry of Education, Hellenic Foundation of Research and Innovation
ΥΠΕΘ, ΕΛΛΗΝΙΚΟ ΙΔΡΥΜΑ ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ

Program / Duration:

2019-2022

Research (-):

«Dynamic model of farm for impact analysis of agricultural policy under economic and environmental uncertainties»

Unique contractor:

Technical University of Crete

Funding institution:

Ministry of Economic Development [Υπουργείο Οικονομίας & Ανάπτυξης, Ειδική Γραμματεία Διαχείρισης Τομεακών Επιχειρησιακών Προγραμμάτων του Ευρωπαϊκού Κοινωνικού Ταμείου ΕΣΠΑ 2014-2020, ΕΔΒΜ34 «Υποστήριξη ερευνητών με έμφαση στους νέους ερευνητές»]

Program / Duration:

2017 (funding was cancelled due to the resignation of the senior researcher because of his recruitment at senior researcher position in JRC European Commission, Seville)

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Education/Research

project (2):

Adding Value to Research Output - Innovation and Entrepreneurship in the Agricultural University of Athens

Unique contractor:

Agricultural University, Athens

Funding institution:

Municipality of Athens

Program / Duration:

2014-2015

Education project (3):

Innovation and Entrepreneurship Unit

Unique contractor:

Agricultural University, Athens

Funding institution:

Hellenic Ministry of Education

Program / Duration: 2010-2014

Research project (4): ***Software development for spatial DSS for bio-energy projects***
 Unique contractor: Agricultural University, Athens
 Funding institution: Institute of Soil Science and Poland Cultivation (IUNG, Poland)
 Program / Duration: 2011-2012

Research project (5): ***Pilot plantations of energy crop in tobacco growing areas (PILOTEC)***
 Main contractor: Institute of Agricultural Policy Analysis, National Foundation of Agronomic Research (ETHIAGE)
 Cooperating institutions: Agricultural University, Athens, Greece, University of Thessaly
 Funding institution: OPEKEPE, Greece
 Program / Duration: Tobacco fund (***Reg.(EC) 2182/02***) / 2006-2009

Research project (6): ***European Non-food Agriculture (ENFA)***
 Main contractor: Research Unit Sustainability and Global Change, Hamburg University
 Cooperating institutions: Hamburg University and University of Hohenheim, Germany, Utrecht University, the Netherlands, Trinity College University of Dublin, Ireland, Plant Breeding and Genetics, IGER, United Kingdom, Agrotechnology and Food Innovations B.V., Swedish University of Agricultural Sciences, EC Baltic Renewable Energy Centre, Warszawa, Poland, , Germany, Agricultural University of Athens, Greece, INRA, Thiverval-Grignon, France, Obersteiner Consulting Engineers (OCE), Austria, University of Natural Resources and Applied Life Sciences, Vienna
 Funding institution: Research Directorate-General, European Commission
 Program / Duration: 2005-2007

Research project (7): ***Développement d'un outil d'aide à la decision sur les biocarburants en France suivant une approche systémique***
 Main contractor: IFP (Institut Francais du Petrole), INRA
 Cooperating institutions: INRA (France), IFP, Université Paris Dauphine-LAMSADE
 Funding institution: ADEME
 Program / Duration: AGRICE / 2004-2005

Research project (8): ***Alternative Crops Integration in a Spatial Analysis - ACISA***
 Main contractor: CIEMAT - Centro de Investigaciones Energeticas, Medioambientales
 Cooperating institutions: INRA (France), JOANNEUM (Austria), AUA(Greece), U ofThessaly,
 Funding institution: European Commission, Directorate General XVII
 Program / Duration: ALTENER-SAVE / 2002-2003

Research project (9): ***Studies of bioethanol production from carob***
 Main contractor: MAICH-Mediterranean Agronomic Institute in Chania
 Cooperating institutions: INRA (France), TEI of Crete, Regional Energy Office of Crete
 Funding institution: European Commission, Directorate General for Energy and Transport
 Program / Duration: ALTENER / 2002-2003

Research project (10): ***Efficient public policies for the take-off of agricultural biomass-to-energy projects in Greece in the context of the European Union CAP***
Main contractor: MAICH-Mediterranean Agronomic Institute of Chania
Funding institution: European Commission, Directorate General VI
Program / Duration: FAIR / 2001-2002

Research project (11): ***Biomass for energy as an alternative land use in Thessaly***
Contractor: Agricultural Economics Department
Funding institution: Agronomic University of Athens
Program/ Duration: Research Committee Fund / 1997

Research collaboration /task leader

Research project (12): ***RESCHEDULE: RESilient to Climate CHange Extremes MeDiterranean AgricUltural Systems: LEveraging the Power of Soil Health and Associated Microbiota*** ***Duration: 2021-2024***
Coordinator: Technical University of Crete (WP4 Socio-economics)
Cooperating institutions: Agricultural University, Athens, Greece, University of Thessaly
Funding institution: PRIMA Partnership for Research and Innovation in the Mediterranean Area
Program / Duration: PRIMA 2018-2024

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Research project (13): ***Innovative Precision Technologies for Optimized Irrigation and Integrated Crop Management in a Water-limited Agro-system*** ***Duration:***
Contractor: Agricultural University, Athens
Funding institution: European Commission
Program / Duration: LIFE08 ENV/GR/0000570 2010 – 2012

Research project (14): ***Une approche intégrée, énergétique, environnementale, économique, des nouvelles filières de production de biocarburants, fondées sur une utilisation des pailles de céréales : cogénération et production d'éthanol de grain, production d'éthanol par hydrolyse enzymatique des pailles***
Main contractor: INRA- UMR Economie publique Grignon
Funding institution: Ministère de l'Agriculture, France / 2002-2003
Cooperating institutions: French Renewable Energy Agency (ADEME), Farmer Group National Federation (FNCUMA), Cooperative Ethanol Industry (BENP)

Research project (15): ***Biofuel perspectives in Greece***
Main contractor: Agronomic Univ. of Athens, Agricultural Engineering Dept, Greece
Cooperating institutions: AUA-Agricultural Economics Department
Center for Renewable Energy Sources-CRES
Funding institution: Greek Ministry of Energy and Transport / 1999-2000

Research project (16): ***MULTISEES- A multiple criteria decision tool for the integration of energy crops into the Southern Europe Energy System***
Main contractor: CIEMAT Madrid, Spain
Cooperating institutions: Agronomic University of Athens, Agricultural Economics Department,
Funding institution: European Commission, Directorate General XVII
Program / Duration: ALTENER-SAVE / 1998-1999

- Research project (17): ***Economic and financial analysis of projects of development in the mountainous zone of Menelaida, Thessaly***
- Main contractor: CIHEAM Montpellier
- Cooperating institutions: Agronomic University of Athens, Agricultural Economics Department
- Funding institution: European Commission, Directorate General XII
- Program/ Duration: NECTAR “Opérations de développement rural” / 1995-1997
- Research subject (18): ***BIO-GUIDE, Environmental guidelines for the development of energy crops (Co-ordinator: Center for Renewable Energy Sources).***
- Main contractor: Center of Renewable Energy Sources-CRES, Greece
- Collaborating Institutions: Agronomic University of Athens, Agricultural Economics Dept
- Funding institution: European Commission
- Program / Duration: FAIR / 1997
- Research project (19): ***Models for the economic evaluation of biomass production as an alternative land use in the E.U. Development of expert system (Beaver)***
- Main contractor: Agronomic University of Athens, Agricultural Economics Department
- Cooperating institutions: INRA-Bioclimatologie, Ashton University, Aberdeen University, WIP-Germany, METRA-Ltd
- Funding institution: European Commission, Directorate General XII
- Program / Duration: FAIR/1994-1996
- Research project (20): ***Large scale biomass cultivation for energy in the E.U.: Evaluation of long-term impact on farm income, employment and the environment (ACE)***
- Main contractor: Agronomic University of Athens, Agricultural Economics Department
- Cooperating institutions: ETA-Italy, WIP-Germany
- Funding institution: European Commission, Directorate General XVII
- Program/Duration: ALTENER/1995-1996
- Research project (21): ***Integration of renewable energy technologies in a remote region of South Crete: Fragocastello***
- Main contractor: Agronomic University of Athens, Agricultural Economics Department
- Cooperating institutions: WIP-Germany, ENERCON
- Funding institution: European Commission, Directorate General XVII
- Program/ Duration: ALTENER/ 1994-1995

Reviewer in International Journals

European journal of Operational Research, Operations Research Int J., Journal of Global Optimization, International Transactions in Operational Research, Int J. of Multi-criteria Decision Making, Journal of Technology Transfer, Technovation, Journal of Knowledge Economy

Renewable and Sustainable Energy Reviews, Environmental and Resource Economics, Environment and Development Economics, Environmental Science and Technology, Environmental Modelling and Assessment, Energy, Energy & Environment, Energy Policy, Biomass & Bioenergy, BioEnergy Research, J of Fundamentals of Renewable Energy and Applications, International Journal of Sustainability in Higher Education, Sustainability, Water, Agronomy Research

European Review of Agricultural Economics, Food Economics, Agribusiness, Land Use Policy, Journal of Agricultural and Food Economics, Journal of Farm Management, Agricultural Economics

Review, Options Méditerranéennes, Research Topics on Agricultural and Applied Economics, Economie Rurale, New Medit

Editorial activity in scientific journals

editorial board *International Journal of Multi-criteria Decision Making* (2009 -)

editorial board *International J of Sustainable Agricultural Management and Informatics* (2013 -)

Guest Editor *Journal of Technology Transfer* - Technology transfer as a driver of innovative entrepreneurship in agriculture and the agri-food industry (forthcoming)

Citations in journals:

Citations (Scopus >600, Google Scholar >1400, ResearchGate >1000)

h-index (Scopus: 14, Google Scholar: 18 – i10: 38) - ResearchGate ≈ 30

RePEc ranking of economists in [Greece](#) (122 of 568, top 22%), [European Union](#) (5362 of 19776, top 28%), Federal Reserve Bank of St. Louis, <http://ideas.repec.org/cgi-bin/rank.cgi?pro271&vbTW>

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Citations (Scopus = 240, Google Scholar =700, Harzig.com = 580)

h-index (Scopus: 9, Google Scholar: 13, Harzig.com: 12)

OPERATIONS RESEARCH and MANAGEMENT: European Journal of Operational Research, Applied Mathematics and Computation, Journal of Decision Systems, RAIRO-Operations Research, Int J of Multicriteria Decision Making, System Engineering Theory and Practice, Applied Soft Computing Journal, Int J of Decision Support Technology, Annals of Operations Research, Operational Research, International J of Business Analytics, Int J of Information Technology and Decision Making, Knowledge Management: Research and Practice, Studies in Systems, Decision and Control, Transport Problems, Management Decision, J of Intelligent and Fuzzy Systems, JASSS

ENVIRONMENTAL SCIENCES: Ecological Economics, Ecological Indicators, Journal of Environmental Management, Advances in the Economics of Environmental Resources, Environmental Science & Policy, Environnement et Société, Environmental Pollution, Annals of Regional Science, Land Use Policy, International J of Life Cycle Assessment, J of Cleaner Production, Earth and Planetary Sciences, Recycling: Processes, Costs and Benefits, Science of the Total Environment, Int J of Applied Environmental Sciences, Environmental Research Letters, Environmental and Climate Technologies, Building and Environment, Environmental Monitoring and Assessment

ENERGY: Energy Policy, Biomass and Bioenergy, Renewable Energy, Applied Energy, Renewable and Sustainable Energy Reviews, International Journal of Green Energy, Progress in Energy and Combustion Science, Bioenergy Research, Energy, International Journal of Hydrogen Energy, Energy Exploration and Exploitation, Biofuels Bioproducts & Biorefining, Energy and Fuels, J of Renewable and Sustainable Energy, IEEE Transactions on Power Systems , Biosystems Engineering, Green Energy and Technology, Energy Conversion and Management, Environmental Modeling and Software, Energies, Energy and Environment, Applied Energy, GCB Bioenergy, Bioenergy Research

AGRICULTURE: Agricultural Systems, European Review of Agricultural Economics, Revue d'Etudes en Agriculture et Environnement, Engenharia Agrícola, Cahiers Agricultures, Natures Sciences Sociétés, OCL - Oleagineux Corps Gras Lipides, Options Méditerranéennes, AgriRegioniEuropa, Bioresource Technology, Agricultural Water Management, Agricultural Economics Review, J de la Societe de Biologie, Agronomy for Sustainable Development, Sustainable Agriculture, Engenharia Agrícola, Land, Revista de Economis e Sociologia Rural, Agriculture, Agronomy, Industrial Crops and

Products, Australian Journal of Agricultural and Resource Economics, Global Food Security, Agricultural Water Management

SOCIAL SCIENCES: Social Studies Of Science, Sustainability, Teoria e Evidencia Economica, Innovation, Journal Of Policy Modeling, Environmental And Development Economics, Advances In The Economics Of Environmental Resources, Journal of Cleaner Production, Environment Development and Sustainability, Journal of Air Transport Management, Educational Sciences:Theory and Practice, Land Use Policy, Human Ecology, Education and Training, European Planning Studies, Journal of Open Innovation, Globalization and Health, Technology in Society, Technological Forecasting and Social Change, Publications, Int J of Computational Economics and Econometrics, Public Administrations Issues

In textbooks: BUREAU, J-C., 2007. *LA POLITIQUE AGRICOLE COMMUNE*, COLL. REPERES – ECONOMIE, LA DECOUVERTE, PARIS

In books by international publishers such as IFP Publications, TECHNIP, Springer

In reports to international organisations, representative bodies and parliaments:

OECD, Report To The Australian Government, Commission Interministerielle pour les Véhicules Propres et Economes (FR), Office Parlementaire d'Evaluation des Choix Scientifiques et Technologiques (FR), Inspection Générale Des Finances (FR).

in congress and seminar proceedings (EAAE, IAAE, AES), PhD and MSc dissertations (CIRANO, Canada - National Chen Kung University, Taiwan - LAMSADE, Univ Paris Dauphine - University of Regina, Saskatchewan - University of Padova, University of Milano, University of Valencia, University of Coimbra), and

working papers (Iowa State University, National University of Singapore, European Commission JRC Sevilla, Université de Poitiers)

E. ADMINISTRATIVE EXPERIENCE – OTHER ACTIVITIES

- Head of the Post-graduate Program "MBA in Agribusiness", <http://www.mba.aua.gr> (2012-2015) - Steering Committee of the same program 2009-2012
- Coordinator for the Technology Transfer project appointed by the University Senate (2013-2015) <http://www.techtransfer.aua.gr>
- Coordinator for the Entrepreneurship and Innovation Program appointed by the University Senate (2011-2014) <http://www.moke.aua.gr>
- Vice Chair of the Agricultural Economics Department (2011-2013)
- Faculty representative in the AUA Senate (2005-06)
- Delegate of the Agricultural Economics Department in the University Library steering committee (since 2009)
- Member in Student Transfer from other Academic Institutions Committee
- Member in Purchases and Supplies Committees
- Delegate to the local association of faculty members AUA (2008-2010), and national association of higher education faculty ΠΟΣΔΕΠ (2006, 2008, 2014)
- Member of Students' Board in the Athens University of Economics and Business 1981-1985

Membership in scientific and professional societies

Board of Hellenic Federation of University Faculty Associations (POSDEP) 2016

Economic Chamber of Greece- West Cretan Section since 1987

Hellenic Society of Agricultural Economists (ET.AΓP.O.) since 1994.

Société Française de l'Economie Rurale, since 1997

Royal Society of Operational Research (Agriculture) since 1998

European Working group in Multicriteria Decision Support since 1999, *European Society of Operations Research*

Other activities, conferences, communications, speeches

Scientific Committee member Energy for Sustainability «Sustainable Cities: Designing for People and the Planet», *Coimbra*, 2013 - 2015 - 2017

Chair of the Organizing Committee of the EAAE seminar "***Technology transfer as a driver of innovative entrepreneurship in agriculture and the agri-food industry***" June 2015
(<http://146eaae.maich.gr/>)

Voluntary Visitor invited by the U.S. State Department (5-13 Nov 2012) in the context of the "***Promoting Agricultural Entrepreneurship***" (University of California Davis, University of Maryland, University of Missouri-Columbia, University of the Pacific, The World Bank)

Member of the Scientific Steering Committee for the Hellenic Society of Agricultural Economists Conference in 2012

Invited speaker in the seminar 'Optimal land use for bioenergy production without jeopardising of food self-sufficiency and food security' (28-30/9/2011, IUNG Poland) http://proficiency-fp7.eu/Work_bioenergy/invited.html

Invited speaker in the seminar «Agriculture in the contemporary economy – current issues and impacts for the prefecture of Karditsa » Karditsa, 27/11/ 2009, Organised by : the Hellenic Society of Agricultural Economists Conference, local elected bodies and agencies.

Member of the Scientific Steering Committee 2nd International Conference for Economics, Statistics and Financing of Water Resources, Alexandroupolis, July 2009 (International Water Association - IWA Specialized Group on Economics and Statistics)

Member of the steering committee for the seminar «The role of policies in the agriculture and development in a changing global context », 10/12/2007, Agricultural University of Athens

Invited speaker from the Directorate General Agriculture to present research on «Estimations of impacts from the CAP reform to cotton production in Greece», DG AGRI, 8/6/2007

Invited speaker in the meeting «Biofuels: Present and future perspectives» presented «Revised CAP impact to the opportunity cost of energy crops », Organisers: Kozani Prefecture and Development Agency, Kozani 27/10/2005

Chair in the session «Irrigation Water Management» της 2nd International Conference for Economics, Statistics and Financing of Water Resources, Rethymno, July 2005 (International Water Association - IWA Specialized Group on Economics and Statistics) <http://www.soc.uoc.gr/iwa>

Invited speaker in the seminar «Decision Support Systems and Models for Bioenergy» presentation on «Comprehensive modeling to evaluate bioenergy projects assisted by GIS». EC BREC/IBMER, 20-22 October 2004, Warsaw, Poland.

Rapporteur, in the Pacific Countries Energy Ministers' Conference and member of the organizing committee of the International Association of Energy Economists 1991, and Honolulu Hawai'i.