

## Europass curriculum vitae



### Personal information

Surname(s) / First name(s)  
Address(es)

**TSOUTSOS THEOCHARIS**  
SCHOOL OF ENVIRONMENTAL ENGINEERING  
TECHNICAL UNIVERSITY OF CRETE  
KOUNOUPIDIANA CAMPUS  
GR 73100 CHANIA

Telephone(s)  
Fax(es)

30 28210 37825  
30 28210 37846

Mobile: 30 6974666696

E-mail(s)

[Theocharis.Tsoutsos@enveng.tuc.gr](mailto:Theocharis.Tsoutsos@enveng.tuc.gr)

Nationality (-ies)

GREEK

Date of birth

9/2/1960

Gender

Male

### Desired employment / Occupational field

**SENIOR EXPERT**

### Work experience

Dates

01/03/2005 - today

Occupation or position held

PROFESSOR

Main activities and responsibilities

Director  
Graduate Programme "ENVIRONMENTAL ENGINEERING"  
Coordinator  
TUC- ENERGY GROUP  
Head  
RENEWABLE & SUSTAINABLE ENERGY LABORATORY (ReSEL, [www.resel.tuc.gr](http://www.resel.tuc.gr))

Name and address of employer

SCHOOL OF ENVIRONMENTAL ENGINEERING  
TECHNICAL UNIVERSITY OF CRETE  
KOUNOUPIDIANA CAMPUS  
73100 CHANIA

Dates

20/9/1992 - 28/2/2005

Occupation or position held

DEVELOPMENT-MARKETING MANAGER

Main activities and responsibilities	Development of new proposals International Cooperation OPET contact
Name and address of employer	Centre for Renewable Energy Sources 19th km marathon Ave GR 19009 Pikermi
Type of business or sector	Public Entity
Dates	1/4/1998 – 30/6/2014
Occupation or position held	TUTOR
Main activities and responsibilities	TUTOR AND AUTHOR ON ENERGY AND ENVIRONMENT
Name and address of employer	GREEK OPEN UNIVERSITY PATRAS
Dates	1/9/1990 - 31/3/1991
Occupation or position held	Expert
Main activities and responsibilities	Technical Expert on energy & environment projects
Name and address of employer	Hellenic Agency for the Local Government and Administration (EETAA) Omirou Athens
Dates	1/12/1986 - 28/2/1987
Occupation or position held	Investment Evaluator
Name and address of employer	Ministry of the National Economy

### **Education and training**

Dates	1/6/1985 - 31/10/1990
Title of qualification awarded	PhD
Principal subjects/Occupational skills covered	Experimental and Technico-economic analysis of bioethanol production form lignocellulosics
Name and type of organisation providing organisation and training	National Technical University of Athens
Dates	1/10/1984 - 31/3/1990
Title of qualification awarded	Economist
Name and type of organisation providing organisation and training	National & Kapodistrian University of Athens
Dates	1/10/1978 - 20/2/1984
Title of qualification awarded	Chemical Engineer
Name and type of organisation providing organisation and training	National Technical University of Athens

### **Personal skills and competences**

Mother tongue      Greek

Other language(s)

Self-assessment

European level (\*\*\*)

**English**

**German**

**French**

<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user
B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Basic User

Driving licence

European

## Additional information

30 years working in the management of renewable energy systems and technologies. 75+ articles in Technical and Scientific Journals; 200+ presentations in International Conferences; 2,500+ citations; h-factor: 26 (scholar), 23 (scopus)

### Proposal Evaluator:

**Croatia:** Croatian Science Foundation (HRZZ) - "Installation Research Projects" Call for proposals (2014-today)

**Cyprus:** Research Promotion Foundation of Cyprus (2009-); Evaluation Committee of Private Universities (2011-2013)

**European Commission:** H2020-LCE-2017-RES-RIA\_TwoStages\_First Stage (2017), FP7 Energy Theme First Call: FP7-Energy-2007-1-RTD; ERASMUS Erasmus Cooperation HE/Universities 2007 (2007)

**European Research Council** (2017-)

**Greece:** General Secretariat of Research and Technology (2003-); Centre for Renewable Energy Sources (CRES, 2012-); National Foundation for Scholarship (2011-)

**Euroasia:** New Euroasia Foundation (2013-today)

**Kazakhstan:** Center of Science and Technology Evaluation, Republic of Kazakhstan (2014-)

**Netherlands:** Netherlands Organisation for Scientific Research (NWO)- Open Research Area Plus (2013)

**Russia:** Russian Research Foundation (RU) (2015-)

**Switzerland:** Swiss National Science Foundation (2011)

**Wales:** Sêr Cymru National Research Network for Low Carbon, Energy and the Environment" Call for proposals (2014)

### Project reviewer:

FP7-SME (2011-)

### Editor-Reviewer in international S&T journals, such as:

*Energies* (2012-), *Environmental Science & Technology-ACS* (2006-), *Energy Policy-Elsevier* (2004-), *Applied Thermal Engineering-Elsevier* (2005-), *Energy-Elsevier* (2004-), *Journal of Chemical Technology & Biotechnology-ACS* (2007-), *Information Sciences-Elsevier* (2007-), *Bioresource Technology-Elsevier* (2006-), *International Journal of Energy Research-Interscience* (2006-), *Journal of Cleaner Production-Elsevier* (2008-), *Land Use Policy-Elsevier* (2009-), *Solar Energy-Elsevier* (2009-), *Journal of Energy Engineering –ASCE* (2009-), *International Journal of Chemical Reactor Engineering – Berkeley University* (2009-), *Journal of Environmental Assessment Policy and Management – Imperial College* (2009-), *International Journal of Hydrogen Energy –Elsevier* (2009-), *Journal of Environmental Management – Elsevier* (2011-)

In almost all high qualified energy related journals

### Member of the Editorial Board of the journals:

*International Journal of Sustainable Built Environment* (Elsevier, Apr 2015-), *Frontiers in Energy* (Springer, Jan 2013-), *Conference Papers in Energy* (2011-), *AIMS Energy* (AIMS, June 2013-), *Current Sustainable/Renewable Energy Reports* (Springer, Nov 2013-), *ENERGIES* (mdpi, June 2017-)

### Citation Indicators

	Google scholar		Scopus	ISI
	All	2013-	All	all
<b>Citations</b>	3.200+	2.020	1.900+	1000+
<b>h- index</b>	29	24	25	-
<b>I10-index</b>	48	43	-	-

## Summary

Professor (Environmental Eng School, Technical University of Crete), Member of the School Management Committee (13-17); Director. Graduate Programme "Environmental Engineering" (14-17); Head, Renewable and Sustainable Energy Lab (ReSEL) (05-); Coordinator, TUC-Energy Group (13-17)

Chem. Eng. (National Technical Univ of Athens,14); Economist (National & Kapodistrian Univ of Athens, Law School,90); PhD (National Technical Univ of Athens,90);

Adjunct Assoc. Prof. (Env Eng Dept,TUC,99-05); Head, Development Dept (Centre for Renewable Energy Sources & Energy Saving-CRES-,92-05); Adjunct Prof. (Heriot-Watt Univ, TEI Piraeus, Kingston Univ, Open Univ,98-04) in MSc programs (Energy, Management of Energy Systems, Adv. Industrial & Manufacturing Systems). Tutor (Greek Open Univ,01-14);

Coordinator of the European Solar Thermal Marketing Group (EC,92-97), Coordinator of the Permanent Committee of Energy (Hellenic Association of Chem.Engineers,03-05)

RDD projects on RES and saving of energy;40+ as coordinator,60+ as scientific collaborator; 80+ as participating expert (FP5, FP6, FP7, H2020, IEE, THERMIE, MED, INTERREG, COST)

Project evaluator in REA, INEA, European Research Council,Erasmus-Mundus (EC); GSRT, State Scholarship Foundation (GR);Research Promotion Foundation (CY);Swiss National Science Foundation (SNSF); Russian Research Foundation, Ministry of Education & Science of the Russian Federation (RU); Netherlands Organisation for Scientific Research; Welsh Government

Author of 80+ scientific publications in international scientific peer reviewed journals, 20+ book chapters, 200+ publications in conferences; 2,900+ citations  
h-factor:25 (Scopus); 29 (Google Scholar)

Reviewer in the all major relevant International S&T sustainable energy journals.  
Member of the Editorial Board of International Journals: Energies (17-); Conf Papers in Energy (11-); AIMS Energy (13-); Current Sustainable/Renewable Energy Reports (13-); Int. Journal of Sust Built Environment (15-)

ORCHID QR ID CODE:



- J1. T.D. Tsoutsos and E.G. Koukios, "Modelling and comparison of major types of dilute acid hydrolysis reactors for cellulose saccharification", **Cellulose Chemistry and Technology**, Vol.24, pp. 713-725, 1990
- J2. T.D. Tsoutsos and E.G. Koukios, "Selection of a reaction system for cellulose saccharification: A global approach", **Chen Biochem. Eng. Quart**, No 3, pp 151-156, 1991
- J3. E.G. Koukios, L.A. Pyrgiotis, T.D. Tsoutsos, and M.N. Christensen, "The role of bioenergy in the energy system of Apera village", **Energy**, Vol. 16, No 9, pp 1213-1214, 1991
- J4. E.G. Koukios, L.A. Pyrgiotis, T.D. Tsoutsos, and M.N. Christensen, "Local-level action plan for biomass. Approach on a island village", **Interciencia**, Sep- Oct 1991, Vol. 16, No 5, pp 261-265, 1991
- J5. Theocharis Tsoutsos, "Marketing solar thermal technologies: strategies in Europe, experience in Greece", **Renewable Energy**, vol. 26/1, pp 33-46, 2001
- J6. Christos Agrafiotis and Theocharis Tsoutsos, "Energy saving technologies in the European ceramic sector. A Systematic overview", **Applied Thermal Engineering**, Vol. 21/12, pp 1231-1249, 2001
- J7. M. Karagiorgas, A. Botzios, T. Tsoutsos, "Industrial solar thermal applications in Greece. Economic evaluation, quality requirements and case studies", **Renewable and Sustainable Energy Reviews**, Vol 5/2, pp 157-173, 2001
- J8. Konstantinos Venetsanos, Penelope Angelopoulou and Theocharis Tsoutsos, "Renewable energy sources project appraisal under uncertainty: the case of wind energy exploitation within a changing energy market environment", **Energy Policy**, v 30/4, pp 293-307, 2002
- J9. Despina Vamvuka, Theocharis Tsoutsos, "Energy exploitation of biomass residues in the island of Crete", **Energy Exploitation and Exploitation**, Multi Science Publishing, Vol. 20, number 1, pp 113-120, 2002
- J10. M. Karagiorgas, T. Tsoutsos, R. Berkmann, "The PHILOSOL project: a strategic market development of the solar thermal sector in Southern Europe", **Energy Conversion and Management**, Pergamon, 44/11, 1885-1901, 2003
- J11. T. Tsoutsos, K. Marketaki and V. Gekas, "Technical and economical evaluation of solar thermal power generation", **Renewable Energy**, pp 873-886, vol. 28/6, 2003
- J12. Marina Papadaki, Emmanuel Andonidakis, Theocharis Tsoutsos, Efraxia Maria, «A multicriteria decision making method for sustainable energy development», **Fresenius Environmental Bulletin**, pp 426-430, Vol. 12; No.5, 2003
- J13. T. Tsoutsos, J. Anagnostou, C. Pritchard, M. Karagiorgas, D. Agoris, "Solar Cooling Technologies in Greece", **Applied Thermal Engineering**, 23, pp 1427-1439, 2003
- J14. T.D. Tsoutsos, E.I. Zoulias, N. Lymberopoulos, R. Glöckner, "H-SAPS Market potential analysis for the introduction of hydrogen energy technology in standalone power systems", **Wind Engineering**, vol. 28, issue 5, pp 615-619, 2004
- J15. Efraxia Maria, Theocharis Tsoutsos, "The sustainable development management of RES installations. Legal aspects of environmental impact in small Greek island systems", **Energy Conversion and Management**, Vol. 45/5, pp 631-638, 2004
- J16. Theocharis Tsoutsos, Nicholas Karapanagiotis, Ioannis Mavrogiannis, Stathis Tselepis, Dimosthenis Agoris, "An analysis of the Greek photovoltaic market", **Renewable and Sustainable Energy Reviews**, Vol. 8/1, pp 49-72, 2004
- J17. T. Tsoutsos, N. Frantzeskaki, V. Gekas, "Environmental Impact Assessment of Solar Energy Systems", **Energy Policy**, 33/3, pp 289-296, 2005
- J18. T. D. Tsoutsos, Y. Stamboulis, "The sustainable diffusion of Renewable Energy technologies as an example of an Innovative Focused Policy", **Technovation**, 25/7 pp. 753-761, 2005
- J19. S. D. Kaminaris, T.D. Tsoutsos, D. Agoris, A.V. Machias, "An Intelligent Approach for Assessing RES-to-electricity system", **Energy Policy**, Vol 34/12 pp 1357-1366, 2006
- J20. M. Karagiorgas, T. Tsoutsos, V. Drosou, S. Pouffary, T. Pagano, G. Lopez Lara, J. M. Melim Mendes, «HOTRES: Renewable energies in the hotels. An extensive technical support for the hotel industry", **Renewable and Sustainable Energy Reviews**, Vol 10/3 pp 198-224, 2006
- J21. E.I. Zoulias, R. Glockner, N. Lymberopoulos, T. Tsoutsos, I. Vosseler, O. Gavalda, HJ Mydske, P. Taylor, "Integration of Hydrogen Energy Technologies in Stand-Alone Power Systems. Analysis of the Current Potential for Applications", **Renewable and Sustainable Energy Reviews**, vol 10, Issue 5, Pp 432-462, October 2006
- J22. Michaelis Karagiorgas, Theocharis Tsoutsos A.Moiá-Pol, "Analysis, simulation and monitoring of energy consumption in Mediterranean hotels. Application in Greece", **Energy and Buildings**, Energy and Buildings, Vol 39, Issue 4, Pp 416-426, April 2007
- J23. T. Tsoutsos, E. Maria, V. Mathioudakis, "The sustainable siting of small hydroelectric plants", **Energy Policy**, Vol 35, Issue 1, Pp 2946-2959, May 2007
- J24. T. Tsoutsos, V. Kouloumpis, A. Kalogerakis, "Thermal use of biofuels in buildings. Economic and environmental evaluation", **Fresenius Environmental Bulletin**, 16/7 (2007), 735-744
- J25. T. Tsoutsos, E. Papadopoulou, A. Katsiri, A. Papadopoulos, "Supporting Schemes for Renewable Sources Energy and their impact on Reducing the Emissions of Greenhouse Gases in Greece", **Renewable and Sustainable Energy Reviews**, Vol 12, Issue 7, September 2008, Pp 1767-1788
- J26. Sarantopoulos Ioannis, Che Franklin, Tsoutsos Theocharis, Bakirtzoglou Vagios, Azangue Willy, Donatien Bienvenue, N. Frankline Mulluh, "Evaluation of rural biodiesel production. Case study: Mango'o Village, Center Province, Cameroon", **Physics and Chemistry of the Earth**, 34 (2009) 55-58
- J27. Theocharis Tsoutsos, Androniki Tsouchlaraki, Manolis Tsiropoulos, Michalis Serpetsidakis "Visual Impact Evaluation of a wind park in a Greek island", **Applied Energy**, Vol. 86, Issue 4, April 2009, pp 546-553
- J28. Ioannis Vallios, Theocharis Tsoutsos and George Papadakis, "Design of Biomass District Heating Systems", **Biomass and Bioenergy**, Vol 33, Issue 4, April 2009, pp 659-678
- J29. George Giatrakos, Theocharis Tsoutsos, Nikos Zografakis, "Sustainable Power Planning for the island of Crete", **Energy Policy**, Vol 37, Issue 4, April 2009, pp 1222-1238
- J30. T. Tsoutsos, M. Drandaki, N. Frantzeskaki, E. Iosifidis, I. Kiosses, "Sustainable energy planning by using Multicriteria Analysis: Application in the island of Crete", **Energy Policy**, Vol 37, Issue 5, May 2009, pp 1587-1600
- J31. T. Tsoutsos, M. Karagiorgas, G. Zidianakis, V. Drosou, A. Aidonis, Z. Gouskos, C. Moeses, "Development of the application of solar thermal cooling systems in Greece and Cyprus", **Fresenius Environmental Bulletin** 2009, No18, 7b, 2009
- J32. G. P. Giatrakos, P. G. Mouchtaropoulos, G. D. Naxakis, T.D. Tsoutsos, G. Stavrakakis, "Sustainable energy planning for Renewable energy-hydrogen stand alone power system. Application in Karpathos island, Greece", **Renewable Energy**, 34, Issue 12, December 2009, Pages 2562-2570
- J33. D. Zafirakis, E. Kondili, T. Tsoutsos, J. Kaldellis, "Environmental Non-Governmental Organizations and public awareness concerning the environment in Greece", **Fresenius Environmental Bulletin**, No18, 7b, 2009
- J34. T.D. Tsoutsos, A. Tsouchlaraki, M. Tsiropoulos, J. Kaldellis, "Visual impact evaluation methods of wind parks: Application in Greek island", **Wind Engineering**, Vol. 33, No 1, 2009, pp 83-92

- J35. M. Karagiorgas, K. Galatis, M. Tsagouri, T. Tsoutsos, A. Botzios-Valaskakis, "Solar Assisted Heat Pump on Air Collectors. A Simulation Tool", **Solar Energy**, 84 (1) pp. 66-78, January 2010
- J36. T. Tsoutsos, E. Aloumpi, Z. Gkouskos and M. Karagiorgas, "Design of a Solar Absorption Cooling System in a Greek Hospital", **Energy and Buildings**, Volume 42, Issue 2, February 2010, Pp 265-272
- J37. Theocharis Tsoutsos, Victor Kouloumpis, Thodoris Zafiris, Spyros Foteinis, "Life Cycle Assessment for biodiesel production under Greek climate conditions", **Journal of Cleaner Production**, Volume 18, Issue 4, March 2010, Pages 328-335
- J38. C. Karkanias, S.N. Boemi, A.M. Papadopoulos, T.D. Tsoutsos and A. Karagiannidis, «Energy efficiency in the Hellenic building sector: An assessment of the restrictions and perspectives of the market», **Energy Policy**, Volume 38, Issue 6, June 2010, Pages 2776-2784
- J39. Artemisia Spanaki, Theocharis Tsoutsos, Dionysia Kolokotsa, "On the selection and design of the proper roof pond variant for passive cooling purposes", **Renewable and Sustainable Energy Reviews**, 15 (2011) 3523– 3533
- J40. Spyros Foteinis, Victor Kouloumpis, Theocharis Tsoutsos, "Life cycle analysis for bioethanol production from sugar beet crops in Greece", **Energy Policy**, 39 (9), September 2011, 4834-4841
- J41. Theocharis Tsoutsos, Dimitris Bethanis, "Optimization of a dilute acid hydrolyzator for cellulose saccharification-to-bioethanol", **Energies**, 2011, 4(10), 1601-1623; doi:10.3390/en4101601
- J42. Franklin Che, Ioannis Sarantopoulos, Theocharis Tsoutsos, Vasileios Gekas, «Exploring a promising feedstock for biodiesel production in Mediterranean countries: A study on free fatty acid esterification of olive pomace oil», **Biomass and Bioenergy**, 36, January 2012, 427-431
- J43. Maria Frangou, Theocharis Tsoutsos, Nikos Sakellariou, "Sustainable assessment of a solar thermal power project in Mediterranean. Application in the island of Crete", **Ecological Indicators**, Vol. 18, July 2012, Pages 379-386
- J44. Haris Doukas, Alexandra Papadopoulou, Nikolaos Savvakis, Theocharis Tsoutsos, John Psarras, "Assessing Energy Sustainability of Rural Communities using Principal Component Analysis", **Renewable and Sustainable Energy Reviews**, Renewable and Sustainable Energy Reviews 16 (2012) 1949– 1957
- J45. Dionysia Kolokotsa, Theocharis Tsoutsos and Sotiris Papantoniou, "Energy Conservation Techniques for Hospital Buildings", **Advances in Building Energy Research**, Taylor & Francis, June 2012 6(1) 159-172
- J46. M. Mandalaki, K. Zervas, T. Tsoutsos, A. Vazakas, "Assessment of shading devices with integrated PV for efficient energy use", **Solar Energy**, Volume 86, Issue 9, September 2012, Pages 2561-2575
- J47. Natasa Ouachab, Theocharis Tsoutsos, "Study of the acid pretreatment and biodiesel production from olive pomace oil", **Journal of Chemical Technology & Biotechnology**, accepted, 28/08/2012
- J48. A. Spanaki, D. Kolokotsa, T. Tsoutsos, "Theoretical and experimental analysis of a novel low emissivity water pond in summer", **Solar Energy**, Volume 86, Issue 11, November 2012, Pages 3331–3344
- J49. Theocharis D. Tsoutsos, Stavroula K. Tournaki and Zacharias K. Gkouskos, "Training and Certification of PV Installers in Europe", **Renewable Energy**, Volume 49, January 2013, Pages 222-226 January 2013
- J50. Theocharis Tsoutsos, Stavroula Tournaki, Zacharias Gkouskos, Gaetan Masson, John Holden, Ana Huidobro, Evelina Stoykova, Camelia Rata, Andro Bacan, Christos Maxoulis, Anthi Charalambous, "Training and Certification of PV installers in Europe. A transnational need for PV industry's competitive growth", **Energy Policy**, Vol. 55, Pp 593–601, April 2013
- J51. Theocharis Tsoutsos, Ioannis Sarantopoulos, Athanasios Nicoloyannis, Michael Chatzakis, "Effect of wastewater irrigation on biodiesel quality and productivity from castor and sunflower oil seeds", **Renewable Energy**, 57, Pp 211-215, May 2013
- J52. Eftalia Chatzisympson, Spyros Foteinis, Dionissios Mantzavinos, Theocharis Tsoutsos, "Life Cycle Assessment of Advanced Oxidation Processes for Olive Mill Wastewater Treatment", **Journal of Cleaner Production**, Volume 54, September 2013, Pages 229-234
- J53. Theocharis Tsoutsos, Stavroula Tournaki, Carmen Avellaner de Santos, Roberto Vercellotti, "Nearly Zero Energy Buildings. Application in Mediterranean hotels", **Energy Procedia**, 42, 230-238. November 2013
- J54. M. Mandalaki, S. Papantoniou, T. Tsoutsos, "Assessment of energy production from photovoltaic modules integrated in typical shading devices", **Sustainable Cities and Society**, Elsevier, 10, 222-231, February 2014
- J55. T. Tsoutsos, S. Tournaki, I. Weiss, S. Caneva, S. Arancón, G. Masson, M.Latour, H. Auer, G. Lettner, W. Sinke, C. Olson, A.C. Veltkamp, F. Pause, F. De Mango, L. Bastone, M. Raganella, C. Dalla Chiesa, G. Strbac, D. Pudjianto, C. Montoya, R. Vázquez, S. Guilmar, "Photovoltaics competitiveness in MENA Countries. The European project PV PARITY", **International Journal of Sustainable Energy**, Taylor-Francis, 34, 21 April 2015, 202-210.
- J56. I. Vallios, T. Tsoutsos, G. Papadakis, "A software for technical and economical assessment of biomass district heating systems", **International Journal of Sustainable Energy**, 35(3), 15 March 2016, 267-294
- J57. A. Spanaki, D. Kolokotsa, T. Tsoutsos, "Assessing the passive cooling effect of the ventilated pond protected with a low emissivity reflecting layer", **Applied Energy**, 123, 273-280, 15 June 2014
- J58. M. Mandalaki, T. Tsoutsos, N. Papamanolis, "Integrated PV in shading systems for Mediterranean countries: balance between energy production and visual comfort", **Energy and Buildings**, 77, 445-456, July 2014
- J59. Kokologos D., Tsitoura I., Kouloumpis V., Tsoutsos T., "Visual Impact Assessment Method for Wind Parks A case Study in Crete", **Land Use Policy**, 39, 110-120, July 2014
- J60. M. Tsitoura, T. Tsoutsos, T. Daras, "Evaluation of comfort conditions in urban open spaces. Application in the island of Crete", **Energy Conversion and Management**, 86, 250-258, October 2014
- J61. P. Gikas, T. Tsoutsos, "Near zero energy wastewater treatment plants for the Greek islands", **Desalination and Water Management**, 53 ( 12 ) pp. 3328 – 3334, 2015
- J62. I. Sarantopoulos, E. Chatzisympson, S. Foteinis, T. Tsoutsos, "Optimization of biodiesel production from waste lard by a two-step transesterification process under mild conditions", **Energy for Sustainable Development**, 23, 110-114, December 2014
- J63. T. Tsoutsos, I. Tsitoura, D. Kokologos, K. Kalaitzakis, "Sustainable siting process in Large Wind Farms. Case study in Crete", **Renewable Energy**, 75, March 2015, 474-480

- J64. Nikolaos Savvakis, Theocharis Tsoutsos, "Performance assessment of a thin film photovoltaic system under actual Mediterranean climate conditions in the island of Crete", **Energy**, 90(2), October 2015, 1435-1455.
- J65. S. N. Kamenopoulos, T. Tsoutsos, "Assessment of the safe operation and maintenance of photovoltaic systems", **Energy**, 93(2), December 2015, 1633-1638.
- J66. Papadopoulos A., Tsoutsos T., Frangou M., Kalaitzakis K., Stefanakis N., Boudouvis A.G., "Innovative optics for concentrating photovoltaic/thermal (CPVT) systems – the case of the PROTEAS Solar Polygeneration System", article in press, **International Journal of Sustainable Energy**, 20 October 2015
- J67. Alexandra Saranti, Theocharis Tsoutsos, Maria Mandalaki, "Sustainable Energy Planning. Design Shading Devices with Integrated Photovoltaic Systems for Residential Housing Units", **Procedia Engineering**, Volume 123, 2015, Pages 479-487
- J68. T.D.Tsoutsos, S. Tournaki, O. Paraiba, S.D. Kaminaris, "The Used Cooking Oil-to-biodiesel chain. Assessment of Best Practices and Environmental Performance", **Renewable and Sustainable Energy Reviews**, 54, 1 February 2016, 74-83.
- J69. A. Stamatakis, M. Mandalaki, T. Tsoutsos, "Multi-criteria analysis for PV integrated in Shading Devices for Mediterranean Region", **Energy and Buildings**, 117 (2016) 128–137
- J70. Marianna Tsitoura, Marina Michailidou, Theocharis Tsoutsos, "Achieving sustainability through the management of microclimate parameters in Mediterranean urban environments during summer", **Sustainable Cities and Society**, Vol 26, pp 48-64, 2016
- J71. T. Tsoutsos, S. Tournaki, M. Frangou, R. Morell, I. Guerrero Hernandez, A. Derjanecz, "Cooling in Mediterranean hotels during summertime. Experience from the neZEH (Nearly Zero Energy Hotels) project", **Refrigeration Science and Technology**, Volume 2016, January 2016, Pages 224-231
- J72. Haris Doukas, Eleftherios Siskos, John Psarras, Charalampos Malamatenios, Stavroula Tournaki, Theocharis Tsoutsos, "Qualification roadmap empowering the Greek building sector workforce in the field of energy", **Renewable and Sustainable Energy Reviews**, Volume 65, November 2016, Pages 992-1004
- J73. Theocharis Tsoutsos, Stavroula Tournaki, Eleni Farmaki, Paolo Sonvilla, Paul Lensing, Jakub Bartnicki, Alejandro Cobos, Marko Biscan "Benchmarking framework to encourage energy efficiency investments in South Europe. The Trust EPC South approach", **Environmental Sciences Procedia**, Volume 38, 2017, Pages 413–419
- J74. S. Foteinis and T. Tsoutsos, "Strategies to improve sustainability and offset the initial high capital expenditure of wave energy converters (WECs)", **Renewable and Sustainable Energy Reviews**, Volume 70, April 2017, Pages 775-785
- J75. Dimitrios Hasapis, Nikolaos Savvakis, Theocharis Tsoutsos, Konstantinos Kalaitzakis, Spyridon Psychis, Nikolaos P. Nikolaidis, "Design of large scale prosuming in Universities. The solar energy vision for the TUC campus", **Energy and Buildings**, Volume 141, 15 April 2017, Pages 39-55
- J76. Papadaki D., Foteinis S., Mhlongo G. H., Tsoutsos T., Kiriakidis G., "Life Cycle Assessment of facile microwave-assisted Zinc oxide (ZnO) nanostructures", **Science of the total environment**, Volume 586, 15 May 2017, Pages 566-575
- J77. Mary Christoforaki, Theocharis Tsoutsos, "Sustainable siting of an offshore wind park. A case in Chania, Crete", **Renewable Energy**, Volume 109, August 2017, Pages 624–633
- J78. S. Foteinis, J. Hancock, N. Mazarakis, T. Tsoutsos, C.E. Synolakis, "A comparative analysis of wave power in the nearshore by WAM estimates and in-situ (AWAC) measurements. The case study of Varkiza", Athens, Greece, **Energy**, Volume 138, 1 November 2017, Pages 500–508
- J79. Marianna Tsitoura, Marina Michailidou, Theocharis Tsoutsos, "A bioclimatic outdoor design tool in urban open space design", **Energy and Buildings**, accepted to be published, July 2017
- J80. T. Tsoutsos, S. Tournaki, M. Frangou, M. Tsitoura, "Creating paradigms for nearly zero energy hotels in south Europe", **AIMS-Energy**, 6(1): 1-19, 2018
- J81. S. Foteinis, A.G. Antoniadis, T. Tsoutsos, Life cycle assessment of algae-to-biodiesel shallow pond production systems in the Mediterranean: influence of species, pond type, by-product valorisation and electricity mix, **Bioprocesses & Biorefining**, accepted to be published, 2018
- J82. Maria Frangou, Maria Aryblia, Stavroula Tournaki, Theocharis Tsoutsos, Renewable energy Performance Contracting in the tertiary sector. Standardization to overcome barriers in Greece, **Renewable Energy**, accepted to be published 2018



- B1. T. Tsoutsos, E. Kotsaki, D. Vasilakos, N. Sakellariou, «[Installation des Systèmes Solaires](#)», European Commission, 1999
- B2. A. Αραβαντινός, Θ. Βλαστός, Δ. Εμμανουήλ, Δ. Μαρίνος-Κουρής, Κ. Μέμος, Γ. Σκίκος, Κ. Σμπόνιας, Θ. Τσούτσος, Εισαγωγή στο Φυσικό και Ανθρωπογενές Περιβάλλον, κεφάλαιο: Ανανεώσιμες/εναλλακτικές και ήπιες πηγές ενέργειας, τόμος Β1, Ελληνικό Ανοικτό Πανεπιστήμιο, Πάτρα 1999
- B3. Θ. Τσούτσος, «Οικονομική ανάλυση ενεργειακών συστημάτων», ΤΕΙ Πειραιώς – Open University, ΕΠΕΑΕΚ, 1999-2003
- B4. Θ. Τσούτσος, «Οικονομικά για Μηχανικούς Περιβάλλοντος», σημειώσεις, Τμήμα Μηχανικών Περιβάλλοντος, Πολυτεχνείο Κρήτης, 2000
- B5. Θ. Τσούτσος, «Περιβαλλοντικές Επιπτώσεις από τα ενεργειακά έργα», σημειώσεις, Τμήμα Μηχανικών Περιβάλλοντος, Πολυτεχνείο Κρήτης, 2001
- B6. Δ. Μαρίνος-Κουρής, Θ. Βλαστός, Τ. Μπιρμπίλη, Γ. Χριστοδούλου, Δ. Χριστούλας, Α. Κόρας, Θ. Τσούτσος, Περιβαλλοντικός σχεδιασμός ενεργειακών έργων, Συγκοινωνιακά, Υδραυλικά, Ενεργειακά Έργα, κεφάλαια «[ταξινόμηση ενεργειακών έργων](#)» (σελ. 262-264), «[εξόρυξη-μεταφορά](#)» (σελ. 265-270), «[ηλιακά συστήματα](#)» (σελ. 280-291), Τόμος Α, Ελληνικό Ανοικτό Πανεπιστήμιο, Πάτρα 2001
- B7. Θ. Τσούτσος, «Ανάλυση Επικινδυνότητας», σημειώσεις, Τμήμα Μηχανικών Περιβάλλοντος, Πολυτεχνείο Κρήτης, 2001, 2002
- B8. S. D. Kaminaris, T.D. Tsoutsos, D. Agoris, A.V. Machias, «[Reaction system selection for biomass-to-energy purposes: A fuzzy expert system model](#)», in Recent Advances in Circuits, Systems and Signal Processing, eds N. Mastorakis, G. Antoniou, Electrical and Computer Engineering Series, pp 84-88, 2002G.
- B9. Θ. Τσούτσος, «[Αειφόρος Ανάπτυξη](#)», σημειώσεις, Τμήμα Μηχανικών Περιβάλλοντος, Πολυτεχνείο Κρήτης, 2001-2008
- B10. Θ. Τσούτσος, «[Ανανεώσιμες Πηγές Ενέργειας](#)», σημειώσεις, Τμήμα Μηχανικών Περιβάλλοντος, Πολυτεχνείο Κρήτης, 2004 – 2008 (προπτυχιακές – μεταπτυχιακές)
- B11. P. Giatrakos, G. D. Naxakis, P. G. Mouchtaropoulos, T. D. Tsoutsos, «[Energy planning and cost analysis of a hydrogen - SAPS system, using renewable energy sources, for Karpathos island, Greece](#)», Recent progress in Computational Sciences and Engineering, Selected Papers from the International Conference of Computational Methods in Sciences and Engineering (ESCMCE 2006), Ed. T. Simos & G. Maroulis, pp 724-728
- B12. Theocharis Tsoutsos, «[Barriers and benefits of Hydrogen-based Autonomous Power Systems](#)», in Hydrogen-based Autonomous Power Systems, Springer-Verlag (London) Ltd, 2008
- B13. Theocharis Tsoutsos (ed), «[Sustainable Energy Communities in Insular and Ecologically Sensitive Areas](#)», European Commission, DG Energy and Transport, 2008
- B14. Θ. Τσούτσος, «[Κεφάλαιο 11: Βιοντίζελ – Και από τα φυτά ενέργεια](#)», στην έκδοση Μελών ΔΕΠ τμ. ΜηΠερ, «Εισαγωγή στην Επιστήμη του Μηχανικού Περιβάλλοντος», ΕΠΕΑΕΚ, Τμήμα Μηχανικών Περιβάλλοντος, 2008 (in Greek)
- B15. T. Tsoutsos, «[Hybrid wind-hydrogen energy systems](#)» (Chapter 8), in : "Technology of stand-alone and hybrid wind energy production and storage", Dr John Kaldellis (ed), Woodhead Publishing, 2009
- B16. T. Tsoutsos, «[Modelling saccharification and fermentation processes](#)» (Chapter 29), in: "Bioalcohol production", Prof. Keith Waldron of the Institute for Food Research (ed), Woodhead Publishing, ISBN 1 84569 510 0, ISBN-13: 978 1 84569 510 1, May 2010, 496 pp
- B17. Θεοχάρης Τσούτσος, Ζαχαρίας Γκούσκος, Σταυρούλα Τουρνάκη, «[Φωτοβολταϊκά συστήματα ενσωματωμένα σε κτίρια: Μια βιώσιμη επιλογή για πράσινη ενέργεια, αρχιτεκτονική αισθητική και οικονομία](#)», τιμητική έκδοση προς τιμή του Καθηγητή Κ. Καβουρίδη, Τμήμα ΜηΧΟΠ, Πολυτεχνείο Κρήτης, 2010 (in Greek)
- B18. Theocharis Tsoutsos, Stavroula Tournaki, John Holden, Ana Huidobom Ioannis-Thomas Theologitis, «[Training of Photovoltaic installers in Europe](#)», June 2013 pp 68
- B19. Θ. Τσούτσος- Ι. Κανάκης, «[Ανανεώσιμες Πηγές Ενέργειας και Περιβάλλον](#)», Αθήνα 2013, εκδόσεις Παπασωτηρίου, σελ. 500
- B20. Χ. Δούκας, Ε. Σίσκος, Α. Παπαδοπούλου, Η. Παπασταματίου, Ι. Φαρράς, Χ. Μαλαματένιος, Γ. Βεζυργιάννη, Θ. Τσούτσος, Σ. Τουρνάκη, «[Εθνικός Οδικός Χάρτης Προσόντων](#)», Αθήνα 2013, ISBN Ελληνικής Έκδοσης: 978-960-89956-5-9, ISBN Αγγλικής Έκδοσης: 978-960-89956-6-6, Εκδόσεις ΚΑΠΕ, Νοέμβριος 2013.
- B21. Theocharis Tsoutsos, Eleni Farmaki, Maria Mandalaki, "Solar Energy for Building Supply", in Energy Performance of Buildings - Energy Efficiency and Built Environment in Temperate Climates (Prof. M. Santamouris and N. Boemi eds), Springer Science & Business Media, 2015
- B22. O. Paraiba, M. Catalyo Oliveira, S. Tournaki, T. Tsoutsos, P. Quero Garcia, J. Marva Llavies Ruiz, F. Giglio, C. Brescia, V. Magnolfi, C. Ugge, M. Cocchi, D. Antunes, J. Braga, S. Camacho, M. Filice, L. Krogh Johnson, Y. Kyriakopoulos, H. Adrianos (Editors: S. Tournaki, O. Paraiba, «[UCO-to-biodiesel. Practical guide](#)», RecOil Project, Intelligent Energy Europe, 2015
- B23. V. Domingo Reig Virginia, A. Fotiou, Z. Kozinc, H. Saldanha Hugo, S. Tournaki, V. Valentar, T. Theocharis (Ed Z. Kozinc, V. Valentar, H. Saldanha), «[Step-by-Step Guide-Local Partnerships for Greener Cities and Regions. Practical Guide for Implementing Effective Local Energy Action Plans](#)», GreenPartnerships project. MED programme, May 2015
- B24. Marianna Tsitoura, Theocharis Tsoutsos, "Achieving sustainability through management of microclimate parameters in urban environments during summer", Environmental Science & Engineering (in 12 Vols. Set), Studium Press LLC, USA, 2016
- B25. T. Tsoutsos and O. Benchikh, «[Evaluation of the projects of the World Solar Programme 1996-2005](#)», UNESCO, CRES, European Commission, 1999
- B26. T. Tsoutsos, A. Koras, P. Lockwood, M. da Graca-Carvalho, N. Katsaros and J. Papon, «[Energy efficient technologies in high temperature industries](#)» (CRES, 1999, English, Magyars, Bulgarian)
- B27. M. Karagiorgas, A. Botzios-Valaskakis, T. Tsoutsos, I. Mavrogiannis, K. Travassaras, G. Lopez, P. Nunes, G. Stryi-Hipp «[Solar thermal process heating in industrial applications](#)» (CRES, 2000)
- B28. Ι. Μαυρογιάννης, Α. Χατζηθανασίου, Θ. Τσούτσος, (επιμέλεια-συντονισμός: Θ. Τσούτσος), «[Θέρμανση κτιρίων και κατοικιών με εφαρμογές βιομάζας. Οδηγός επενδυτών](#)» (ΚΑΠΕ, 2003)
- B29. Ι. Μαυρογιάννης, Α. Χατζηθανασίου, Θ. Τσούτσος, (επιμέλεια-συντονισμός: Θ. Τσούτσος), «[Θέρμανση κτιρίων και κατοικιών με εφαρμογές βιομάζας. Οδηγός τοπικής αυτοδιοίκησης](#)» (ΚΑΠΕ, 2003)

- B30. Θ. Τσοῦτσος, Ι. Μαυρογιάννης (επιμέλεια-συντονισμός: Θ. Τσοῦτσος), «[Θέρμανση κτιρίων και κατοικιών με εφαρμογές βιομάζας. Τεχνικός οδηγός](#)» (ΚΑΠΕ, 2003)
- B31. M. Delorme, R. Six, D. Mugnier, J. –Y. Quinette, N. Richler, F. Heunemann, E. Wiemken, H.M. Henning, T.D. Tsoutsos, E. Korma, G. Dall’O, P. Fragnito, L. Piterü, J. Rarom-Lopez, S. Torre-Enciso, “[Climasol: Air Conditioning Guide](#)” (Rhonalpaenergie, 2004) ([για την ελληνική έκδοση](#))
- B32. M. Zoulias, R. Glockner, N. Lymberopoulos, I. Vosseler, T. Tsoutsos, H.J. Mydske, M. Brodin, P. Taylor, “[Market potential analysis for the introduction of hydrogen energy technology in stand-alone power systems](#)” (CRES, 2004)
- B33. P. Coroyannakis, T. Tsoutsos, Z. Gkouskos, S. Ruginetti, S. Castaldo “[Solar Cooling. Overview and Recommendations](#)”, pp 36, European Commission, DG Energy and Transport, 2009 ([Greek](#), English, Italian, Spanish)
- B34. Eduardo Roman, Joe R. Lopez, Luis Alves,, Ilona Eisenschmid, , Paolo Melo, Jan Rousek, Theocharis Tsoutsos, “[BIPV Technical Solutions and best practices](#)”, pp 52, European Commission, DG Energy and Transport, 2008 ([Greek](#), English, Italian, Spanish)
- B35. Eduardo Roman, Joe R. Lopez, Luis Alves,, Ilona Eisenschmid, , Paolo Melo, Jan Rousek, Theocharis Tsoutsos, “[Potential and benefits of BIPV](#)”, pp 36, European Commission, DG Energy and Transport, 2008 ([Greek](#), English, Italian, Spanish)
- B36. Θ. Τσοῦτσος, Σ. Τουρνάκη, Χ. Μπρέμπου, “[Προτάσεις Εθνικής Πολιτικής για την Ανάπτυξη των Φ/Β στην Ελλάδα. Η ισοτιμία στο δίκτυο](#)”, 2013
- B37. Θ. Τσοῦτσος, Σ. Τουρνάκη, “[Τοπικές αρχές σε δράση προς ένα βιώσιμο ενεργειακό σχεδιασμό](#)”, Ενεργειακό Γραφείο Κύπρου, Ιανουάριος 2013
- B38. T. Tsoutsos (Editor), PV Installer Training and Certification, Training material- Guides & supporting material for PV TRIN Trainers/Training providers, June 2013, [English](#), [Greek](#), [Bulgarian](#), [Croatian](#), [Romanian](#), [Spanish](#), [http://pvcert.gr/en/guides\\_and\\_supporting\\_material\\_for\\_pvtrin\\_trainerstraining\\_providers/index.html](http://pvcert.gr/en/guides_and_supporting_material_for_pvtrin_trainerstraining_providers/index.html)

1. T.D. Tsoutsos and E.G. Koukios, "Comparison of various types of acid hydrolysis reactors for alcohol fuel production", **5th Conference on Applied Chemistry, Unit Operations and Processes**. 405th Event of the European Federation of Chemical Engineering, Balatonfured, Hungary, 1989, Proceedings pp 118-124
2. T.D. Tsoutsos, O.S. Umealu and E.G. Koukios, "Potential of Biomass in Greece. Present situation and proposed management", in **Biomass for energy and industry**, Vol. 1, pp 1.453-1.457, eds G. Grassi, G. Gosse and G. dos Santos, Elsevier Applied Science, London, 1989
3. T.D. Tsoutsos, G. Sargantanis, and E.G. Koukios, "Proposed models for the behavior of percolator hydrolysis reactor", in **6th European conference on Biomass for Energy, Industry and Environment**, Athens, 21-27/4/1991, Proceedings pp 516-520
4. T.D. Tsoutsos, D. Economides, D. Kekos, and E.G. Koukios, "Inhibitory effect of 5-hydroxymethylfurfural on the alcoholic fermentation of glucose by *Saccharomyces Cerevisiae*", in **6th European conference on Biomass for Energy, Industry and Environment**, Athens, 21-27/4/1991, Proceedings pp 521-525
5. C. Hatjiyannakis, D. Sarigiannis, E. Billa, C. Tsilifonis, T.D. Tsoutsos, and E.G. Koukios, "Integrated large-scale biomass utilization. A systems' approach", in **6th European conference on Biomass for Energy, Industry and Environment**, Athens, 21-27/4/1991, Proceedings, pp 1152-1156
6. T.D. Tsoutsos, O.S. Umealu, E.G. Koukios, and Gy. Marton, "Biomass production and utilization in Hungary and Greece. New frontier for cooperation", in **6th European Conference on Biomass for Energy, Industry and Environment**, Athens, 21-27/4/1991, Proceedings pp 1021-1025
7. E.G. Koukios, T.D. Tsoutsos, D.P. Koullas, and F. Papageorgiou, "Bioenergy opportunities at the local level. The case of Nymphasia", **7th European conference on Biomass for Energy and Environment, Agriculture and Industry**, Florence, Italy, 5-9/10/1992, Proceedings pp 745-748
8. D. Vamvouka, M. Christou and T.D. Tsoutsos, "CHP systems in Crete using biomass residues", in **Biomass for energy and industry - 1st World Conference**, Sevilla, 5-9/6/2000
9. M. Kontoni and T.D. Tsoutsos, "Promotion of Desalination Systems using RES in Mediterranean Countries. Non technological aspects", **Mediterranean Conference on Policies and Strategies for Desalination and Renewable Energies**, Santorini, 21-23/6/2000, pp 50-57, NTUA
10. M. Kontoni and T.D. Tsoutsos, "Market penetration of RES-powered desalination systems in the Mediterranean", **Seminar on RES-powered desalination systems in the Mediterranean region – from identification to project implementation**, Limassol-Cyprus, September 1-2, 2000, pp 55-62
11. J. Anagnostou, C. Pritchard, M. Karagiorgas, T. Tsoutsos, "Solar Cooling Technologies in Greece", **3o Πανελλήνιο Συνέδριο Χημικής Μηχανικής**, 31 Μαΐου – 2 Ιουνίου 2001, σελ. 85-88
12. M. Papadaki, E. Andonidakis, T. Tsoutsos, G. Stavrakakis, «Assessing different scenarios for sustainable energy development in the island of Crete», **International Conference on Renewable Energies for Islands Towards 100% RES Supply**, 14-16 June 2001 (the Proceedings in CD ROM)
13. Y. Yaxas, M. Papadaki, T. Tsoutsos, "Market survey on small scale wind systems", **International Conference on Renewable Energies for Islands Towards 100% RES Supply**, 14-16 June 2001 (the Proceedings in CD ROM)
14. V. Gekas, N. Frantzeskaki, T. Tsoutsos, "Environmental Impact Assessment of Solar Energy Systems. Results from a life cycle analysis", **Protection and restoration of the environment VI**, Skiathos 1-5 July 2002, vol III, pp 1569-1575
15. S. D. Kaminaris, T.D. Tsoutsos, D. Agoris, A.V. Machias, "Reaction system selection for biomass-to-energy purposes: A fuzzy expert system model", **6th World Scientific and Engineering Academy and Society International Conference on Circuits**, Rethimnon, Crete, July 7-14, 2002 (proceedings in electronic form)
16. S. D. Kaminaris, T.D. Tsoutsos, D. Agoris, A.V. Machias, "An Intelligent Approach for Assessing RES-to-electricity systems", **Med Power 2002, 3rd Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion**, IEE Conference November 4-6, 2002 (proceedings in electronic form)
17. M. Karagiorgas, V. Drosou, T. Tsoutsos, "Technical support to the hotel industry with RES applications. The ALTENER project HOTRES", **Renewable Energy Sources for islands, tourism and water desalination**, 26-28 May 2003, pp 357-364
18. Kalogerakis, T. Tsoutsos, A. Chourdakis, V. Gekas, N. Kalogerakis, "Environmental Audit Scheme for a Wastewater Treatment Plant in the island of Crete – Use of RE-powered systems", **Renewable Energy Sources for islands, tourism and water desalination**, 26-28 May 2003, pp 423-430
19. N. Karapanagiotis, N. Vassilakos, T. Tsoutsos, D. Agoris, "Methods of Financing the Development of Renewable Energies in Greece", **Renewable Energy Sources for islands, tourism and water desalination**, 26-28 May 2003, pp 445-456
20. F. Passalacqua, C. Zaetta, M. Pigaht, G. Grassi, A. Sandovar, L. Vegas, T. Tsoutsos, N. Karapanagiotis, T. Fjallstrom, S. Nilsson, J. Berg, "Pellets in Southern Europe. The state of the art of pellets utilization in S. Europe. New perspectives of pellets from agri-residues", **European Pellets Conference**, 3-4 March 2004, pp 185-198
21. F. Passalacqua, C. Zaetta, R. Janssen, G. Grassi, A. Sandovar, L. Vegas, T. Tsoutsos, N. Karapanagiotis, T. Fjallstrom, S. Nilsson, J. Berg, "Pellets in Southern Europe. The state of the art of pellets utilization in S. Europe. New perspectives of pellets from agri-residues", **2nd World Conference and Technology Exhibition on Biomass for Energy, Industry and Climate Protection**, 10-14 May 2004, Rome, Italy
22. D. Kolokotsa, Z. Liao, K. Kalaitzakis, G. Stavrakakis, A. Puliezos, E. Antonidakis, T. Tsoutsos, V. Geros, M. Santamouris, "Smart energy management in the built environment", **Protection and Restoration of the Environment VII**, June 28– July 1, 2004 (the Proceeding in CD)
23. T.D. Tsoutsos, D. Agoris, "Environmental Impacts from the Renewables-to-Electricity Systems", **Power Systems with Dispersed Generation, CIGRE Symposium**, 17-20 April 2005, Athens
24. E. Patrikalaki, T. Tsoutsos, "Hydro energy in the island of Crete. Present Situation and perspectives", **IWA International Conference on Water Economics, Statistics and Finance**, Rethimnon, Greece, 8-10 July 2005
25. G.P. Giatrakos, P.G. Mouchatopoulos, T. Tsoutsos, "Biomass use for heating purposes in small buildings. Energy, environmental and financial evaluation", **Protection and Restoration of the Environment VIII**, Chania 3-7 July 2006
26. T. Tsoutsos, I. Giannouli, "Integration of Renewable Energy Technologies in Rural Insular Areas. The European project RE-RINA", **Protection and Restoration of the Environment VIII**, Chania 3-7 July 2006
27. V. Mathioudakis, T. Tsoutsos, E. Maria, "The sustainable siting of small hydroelectric plants", **Protection and Restoration of the Environment VIII**, Chania 3-7 July 2006
28. T.D. Tsoutsos, "A study of the energy system of Aperathou using I-O analysis", **1st European Symposium on "Soft energy sources at the local level"**, 29/8-2/9/1988, Naxos, Proceedings pp 384-394

## Annexes

29. L. Pyrgiotis, V. Mavratzas, T.D. Tsoutsos, and E.G. Koukios, "The community of Aperathou: Present situation and potential for development with emphasis on energy", **1st European Symposium on "Soft energy sources at the local level"**, 29/8 -2/9/1988, Naxos, Proceedings pp 60-68
30. D. Sarigiannis, C. Hatjiyiannakis, E.Billa, T.D. Tsoutsos, and E.G. Koukios, "The concept of bio - community: A simulation tool for management of regional development programs", **1st European Symposium on "Soft energy sources at the local level"**, 29/8 -2/9/1988, Naxos, Proceedings pp 373-383
31. T.D. Tsoutsos, O.S. Umealu and E.G. Koukios, "Bioenergy resources in Greece. The case of Karditsa and Crete", **2nd European on "Soft Energy Sources and Systems at the Local Level"** (Chania, Greece), 1989, Proceedings pp 321-329
32. L.A. Pyrgiotis, T.D. Tsoutsos, D. Koullas, E.G. Koukios and M.N. Christensen, "Bioenergy utilization in Karditsa. A feasibility study", **2nd European on "Soft Energy Sources and Systems at the local Level"** (Chania, Greece), 1989, Proceedings pp 330-340
33. Souter, K. Dalianis, D. Papavasiliou, T. Tsoutsos, P. Choudalis, "Cogeneration of heat and power unit in a cotton-ginning factory fuelled by its ginning residues", in **Biomass & Environment**, Valencia, Spain, 24/3/1994
34. M. Karagiorgas, A. Botzios-Valaskakis, T. Tsoutsos, J. Mavrogiannis, K. Travassaros, G. Lopez, P. Nunes, G. Striy-Hipp, "Solar thermal process heating in industrial applications. A stimulation plan", **Renewable Energy for Europe. Campaign for take-off**, Toulouse-France, pp 362-365, 23-25 October, 2000
35. M. Karagiorgas, V. Drosou, T. Tsoutsos, "Solar energy and RES for tourism sector", **RES and RUE for islands. Sustainable Energy Solutions**, 30-31 August 2004, Lamaka-Cyprus (proceedings in CD)
36. Theocharis D. Tsoutsos, Zacharias Gouskos, Stefanos Karterakis and Elpida Peroulaki, "Aesthetic impact from Wind parks", **European Wind Energy Conference 2006**, European Wind Energy Association (EWEA), Athens, Greece, 27th February – 2nd March 2006
37. E. Román , S. Elorduizapatarietxe, José Ramón López, Luis Alves, Helmut Hess, Paulo De Melo, Marian Honaizer, Theocharis Tsoutsos, «Promoting the use of Photovoltaic Systems in the Urban Environment through demo relay nodes», **23rd Photovoltaic Solar Energy Conference and Exhibition**, Dresden 2006
38. Vamvuka, E. Mavrou, G. Bandelis, T. Tsoutsos, I. Papamichael, «Biomass Co-generation in Europe: Economical, Technical and Environmental Evaluation», **European Combustion Meeting ECM 2007, April 11-13, 2007** Chania, Crete, Greece
39. Theocharis Tsoutsos, Dimitris Bethanis, Vasilis Gekas, "Simulation of fermentable sugar production from lignocellulosics to fuel ethanol", **15th European Biomass Conference**, Berlin, 7-11 May 2007
40. Ioannis Vallios, Theocharis Tsoutsos, "Design of Biomass District Heating Systems", **15th European Biomass Conference**, Berlin, 7-11 May 2007
41. Maria Drandaki, Eleftherios Iosifidis, Ioannis Kiosses, Theocharis Tsoutsos, "Sustainable energy planning by using multicriteria analysis - Application in the island of Crete", **CEMEPE/SECOTOX Conference**, June 24 – 28, 2007, Skiathos island, Greece
42. T. Tsoutsos E. Román ,S. Elorduizapatarietxe, J. R. López, L. Alves, Ilona Eisenschmid, P. Melo, Pavel Starinsky, "promoting the use of photovoltaic systems in the Urban environment through Demo Relay Nodes. The European project PURE", **2nd International Workshop, Energy Performance and Environmental Quality of Buildings (EPEQUB 2007)**, 12-13/7/2007, Milos Island
43. G. Zidianakis, Th. Tsoutsos, N. Zografakis, "Simulation of a solar absorption cooling system", **Passive and Low Energy Cooling for the Built Environment - PALENC 2007**, 27-29 September 2007, Crete island, Greece
44. T. Tsoutsos, "Sustainable energy communities in the EU islands", RERINA Conference on **the development of Sustainable Energy Communities in islands and ecologically sensitive areas**, 10-11 October 2007, Brussels
45. Sarantopoulos Ioannis, Che Franklin, Tsoutsos Theocharis, Bakirtzoglou Vagios, Azangue Willy, Donatien Bienvenue, Ndipen Frankline Mulluh, "Biodiesel production for rural uses. Experimental and technical evaluation. Case study: Mango'o village, center Province, Cameroon", **TU Delft's International Symposium Sustainable Solutions, 01 November 2007 - 02 November 2007**
46. Che Franklin, Sarantopoulos Ioannis, Theocharis Tsoutsos, Bakirtzoglou Vagios, Azangue Willy, Donatien Bienvenue, Ndipen Frankline Mulluh, "Valorization of Palm Kernel Shell and Palm oil in Biodiesel Production for Rural Uses. Case Study: Mango'o Village, Cameroon", **16th European Biomass Conference, 16th European Biomass Conference & Exhibition - From Research to Industry and Markets**, from 2<sup>nd</sup> to 6<sup>th</sup> June 2008, Valencia, Spain
47. Zafeiris Theodoros, Kalogerakis Antonis, Tsoutsos Theocharis, "Life Cycle Assessment for biodiesel in Greek climate conditions", **16th European Biomass Conference, 16th European Biomass Conference, 16th European Biomass Conference & Exhibition - From Research to Industry and Markets**, from 2<sup>nd</sup> to 6<sup>th</sup> June 2008, Valencia, Spain
48. Sotiris Papantoniou, Theocharis Tsoutsos, George Georgiou, "Building integrated PV application in the island of Crete", **Deregulated Electricity Market Issues in South-Eastern Europe (DEMSEE2008)**, September 22-23, 2008 Nicosia, Cyprus (accepted)
49. Sotiris Papantoniou, Theocharis Tsoutsos, "Building integrated PV application in the island of Crete", **23<sup>rd</sup> European Photovoltaic Solar Energy Conference (1st to 5th September 2008) and Exhibition (1st to 4th September 2008)**, Valencia, Spain
50. *Life Cycle Assessment for biodiesel in Greek climate conditions*, Theocharis Tsoutsos, Victor Kouloumpis, Theodoros Zafeiris, Periklis Zolkou, **AgEng2008, Agricultural & Biosystems Engineering for a Sustainable World**, Knossos Royal Village, Hersonissos – Crete, 23-25 June 2008, Greece
51. Tsoutsos T, Tsouchlaraki A, Tsiropoulos M & Kaldellis JK. *The aesthetic integration of wind parks in the environment. Application in a Greek insular wind park*, **10<sup>th</sup> World Renewable Energy Congress and Exhibition**, 19-25 July 2008, Glasgow, Scotland, UK
52. Theocharis D. Tsoutsos, Stavroula K. Tournaki and Zacharias K. Gkouskos, "Training and Certification of PV Installers in Europe", **WREC 2010 World Renewable Energy Congress XI**, 25-30 September 2010, Abu Dhabi, UAE (invited speech)
53. Zacharias Gkouskos, George Limnaios and Theocharis Tsoutsos, Luisa Fernanda Cabeza Fabra, "Study of energy saving in a Greek building using Phase Change Materials", **EUROSUN 2010, International Conference on Solar Heating, Cooling and Buildings**, 28/09- 1/10/2010, Graz, Austria
54. M.R. Frangou, T. Tsoutsos and N. Sakellariou, "Sustainability of a solar thermal power project in Mediterranean application in the island of Crete", **3<sup>rd</sup> international conference on Renewable Energy Sources and Energy Efficiency**, 19-20 May 2011, Nicosia, Cyprus

55. T. Tsoutsos, S.Tournaki, Z. Gkouskos, A. Charalambous and C. Maxoulis, "Vocational Training and Certification of PV Installers. The European initiative PVTRIN", 3rd international conference on Renewable Energy Sources and Energy Efficiency, 19-20 May 2011, Nicosia, Cyprus
56. Theocharis Tsoutsos, Che Frank, Ioannis Sarantopoulos, Vasilis Gekas, "Production of biodiesel from oil residues. Experimental pretreatment and evaluation", 17th European Biomass Conference & Exhibition. From Research to Industry and Markets, CCH - Congress Center Hamburg, Germany, Conference 29 June - 3 July 2009 • Exhibition 29 June - 2 July 2009
57. Sarantopoulos Ioannis, Bakirtzoglou Vagios, Che Franklin, Theocharis Tsoutsos, Kalaitzakis Konstantinos, "Autonomous biodiesel production unit "Daedalus. A complete solution for rural sustainable biodiesel production", 17th European Biomass Conference & Exhibition. From Research to Industry and Markets, CCH - Congress Center Hamburg, Germany, Conference 29 June - 3 July 2009 • Exhibition 29 June - 2 July 2009
58. Theocharis Tsoutsos, Stavroula Tournaki, Zacharias Gkouskos, Despotou Eleni and Gaetan Masson, "Training and certification of PV installers in Europe. The PVTRIN project", 25th European Photovoltaic Solar Energy Conference and Exhibition, 5th World Conference on Photovoltaic Energy Conversion, Valencia 6-10 September 2010
59. Z.Gkouskos, G. Limnaios and T.Tsoutsos, "Simulation of PCMs in building applications", 3rd International Conference on Passive and Low Energy Cooling for the Built Environment (PALENC 2010), September 29-October 1 2010, Rhodes, Greece
60. Artemisia Spanaki, Theocharis Tsoutsos, Dionysia Kolokotsa, "Review of the Parameters affecting the selection of a roof pond variant for cooling purposes", 3rd International Conference on Passive and Low Energy Cooling for the Built Environment (PALENC 2010), September 29- October 1 2010, Rhodes, Greece
61. M. Tsitoura, T. Tsoutsos, D. Kolokotsa, "Comfort conditions in urban open spaces in Crete", 3rd International Conference on Passive and Low Energy Cooling for the Built Environment (PALENC 2010), September 29-October 1 2010, Rhodes, Greece
62. Maria Mandalaki, Konstantinos Zervas, Theocharis Tsoutsos, Alexandros Vazakas, " Assessment of shading devices with integrated PV for efficient energy use", 3rd International Conference on Passive and Low Energy Cooling for the Built Environment (PALENC 2010), September 29- October 1 2010, Rhodes, Greece
63. John Vourdoubas, Theocharis Tsoutsos, Antonios Pitaridakis and Charalampos Litos, "Gavdos' island: Green island using renewable energy sources", DEMSEE 2010, 5th International Conference on Deregulated Electricity Market issues in South-Eastern Europe, September 23-24, 2010 Sitia – Greece
64. V. Kouloumpis, T. Tsoutsos, G. Konstantopoulos, "Life cycle assessment and costing of a detached house in Crete", Hazardous and Industrial Waste Management, October 5th - 8th, 2010, Chania (Crete - Greece)
65. Μιχαηλίδου Μαρινα, Τσιτούρα Μ. Τσούτσος Θ., «Η χρήση της προσμείωσης και των μετρήσεων του μικροκλίματος για την αναπλάση αστικού πάρκου στην κρητη», Συνέδριο ARENEP 2011: Αρχιτεκτονική, Ενέργεια & Περιβάλλον στα κτίρια και τις πόλεις, Μέγαρο Διεθνές Συνεδριακό Κέντρο Αθηνών, 3-4 Μαΐου 2011
66. I. Vallios, T. Tsoutsos, G. Papadakis, Software Tool (DSS) for the Design & Assessment of Biomass Energy Systems, 19th European Biomass Conference and Exhibition, 6-10 June 2011, Berlin, Germany
67. A. Charalambous, H. Kordatos, T. Tsoutsos, S. Tournaki, A. Charalambides, Potential, Origin and Utilization of Wood Biomass in Cyprus - Case Study of a Practice Followed in Many Island Communities in Europe, 19th European Biomass Conference and Exhibition, 6-10 June 2011, Berlin, Germany
68. T. Tsoutsos, I. Sarantopoulos, N. Ouchab, "Sustainable Biodiesel Production from Olive and Meat Industry Byproducts", 19th European Biomass Conference and Exhibition, 6-10 June 2011, Berlin, Germany
69. Marianna Tsitoura, Michalidou Marina, Theocharis Tsoutsos, "Evaluation of comfort conditions and sustainable design of urban open spaces in Crete", PLEA 2011. Architecture and Sustainable Development. Architecture and Sustainable Development, Louvain-la-Neuve, Belgium. 13th - 15th July 2011. proceedings, Pp 439-444
70. Theocharis Tsoutsos, Stavroula Tournaki, Eleni Despotou, Gaetan Masson, John Holden, "Certification and Qualification of PV Installers in Europe. Development of the PVTRIN Certification Scheme", 26th Photovoltaic Solar Energy Conference and Exhibition, Hamburg, 5-8 September 2011
71. Theocharis Tsoutsos, Nikolas Savvakis, Ioannis Kanakis, George Papadakis, George Kyriakarakos, Bernd Schwartz, "Temperature effect on PV Performance. Experimental results from a 2.18 kWp thin film PV system", 26th Photovoltaic Solar Energy Conference and Exhibition, Hamburg, 5-8 September 2011
72. G. Kyriakarakos, G. Papadakis, T. Tsoutsos, N. Savvakis, I. Kanakis, B. Schwartz, "Can the Better Temperature Coefficient of Thin Film Modules Make Up for Their Lower Efficiency under Southern European Climatic Conditions?", 26th Photovoltaic Solar Energy Conference and Exhibition, Hamburg, 5-8 September 2011
73. I. Weiss, S. Caneva, S. Arancón, P. Helm, E. Despotou, G. Masson, G. Concas, T. Veltkamp, T. Tsoutsos, F. Pause, F. De Mango, C. Dalla Chiesa, G. Strbac, H. Auer, C. Montoya, R. Gerson, "Measures to Accompany PV Applications to the Grid Parity and Beyond: The PV Parity Project", 26th Photovoltaic Solar Energy Conference and Exhibition, Hamburg, 5-8 September 2011

## SCIENTIFIC COORDINATOR (PROJECT AND/OR INSTITUTIONAL) 1/2

1. RERINA: Integration of Renewable Energy Technologies in Rural Insular Areas (Coordinator, Intelligent Energy for Europe, Jan 2006-Dec 2007)  
Islenet- European Islands Energy & Environment Network, Ίδρυμα Ενέργειας Κύπρου (CY), Δήμος Αρμένων (GR), Comune Di Cabras – Area marina protetta penisola del Sinis – Isola di Mal di Ventre (IT), Regione Siciliana (IT), World Wide Fund for Nature - WWF Ελλάς (GR)
2. PURE: Use of photovoltaic systems in the urban environment through demo relay nodes (Institutional Coordinator, Intelligent Energy for Europe, Jan 2006-Dec 2008)  
Fundacion ROBOTIKER (Coordinator, ES), EVE-Ente Vasco de la Energía (ES), Instituto Superior Técnico (PT), SCHEUTEN SOLAR TECHNOLOGY (DE), PROVINCIA DI SAVONA (IT), Energy Centre Bratislava (SK)
3. Μελέτη Περιβαλλοντικών Επιπτώσεων από τα νερά ψύξης στην Ατμοηλεκτρική κεντρική μονάδα Αθηνινόλακκου: Εφαρμογή στην Κρήτη, ανάθεση από τοπικές/νομαρχικές αρχές, 2005-2006 (Coordinator, GR)
4. Συστήματα αφαλάτωσης στην Ελλάδα (Institutional Coordinator, Programme Archimedes, 2005-2007)
5. Έρευνα του Κύκλου Ζωής Υγρών Βιοκαυσίμων Χρηματοδότηση Βασικής Έρευνας (Institutional Coordinator)
6. NETTI : Networks in the Energy field: Technology Transfer and Innovation (Institutional Coordinator, energy'regio: European Regional Development Fund INTERREG IIIC, East Zone Regional Framework Operation, 2006-2007)  
ASTER S. Cons. p. A. (IT), NOMISMA - SOCIETA' DI STUDI ECONOMICI S.P.A. (IT), The Regional Council in Kalmar County (SE), Bautzen Innovation Centre (DE), ZTS-Zentrum für Technologiestrukturentwicklung Region Riesa-Großenhain GmbH (DE), Business and Innovation Centre (BIC) Zwickau GmbH (DE), Confederazione Italiana Agricoltori (IT), Energy Crops Ltd (IE)
7. SOLCO: Removal of non-technological barriers to Solar Cooling technology across southern European islands (Institutional Coordinator, Intelligent Energy for Europe, Jan 2006-Feb 2008)  
APEA Energy Agency of Agrigento (IT), ISLENET (EU), Cyprus Institute of Energy (CY), Canary Islands Institute of Technology (ES), ESCO Sardegna S.r.l (IT)
8. MORE: Market of Olive Residues for Energy', (Feb 2008-Dec 2010), ARE Liguria (IT), Unioncamere Liguria (IT), IPTPO - Institute of Agriculture and Tourism (HR), Regional Energy Agency of Central Macedonia (GR); TUC (subcontracted), UPZRS- Science and Research Centre in Koper (SL), AGENER- the Agency for Energy Management of the Province of Jaen (ES)
9. "Energy Agency of Cyprus" (Technical Advisor, Intelligent Energy for Europe, Mar 2008-)
10. "PROMOTION 3E Promotion of Energy-Efficient appliances in Europe" (Institutional Coordinator, Intelligent Energy for Europe, Oct 2008-), Setúbal College of Technology (PT), Energy and Environment Agency of Arrábida (PT), Factor Social (PT), Energy and Environment Agency of Centre Region (PT), Energy Agency of Teramo (IT), Technical University of Crete (GR), Northern Ireland Energy Agency (UK), Bautzen Innovation Centre (DE), Association of the Greek Insular Chambers (GR), National Energy Conservation Agency (PL), Energy Agency of the Province of Avila (ES), Local Energy Agency of Lyon (FR)
11. "Next generation cost effective phase change materials for increased energy efficiency in renewable energy systems in buildings (NeCoE-PCM)" (2009-2012), COST Programme Action
12. «Βιοντίζελ από πυρηνέλαιο ελιάς. Ποσοτικοποίηση φυσικών και χημικών παραμέτρων για την αριστοποίηση της διεργασίας παραγωγής», έργο ΕΛΚΕ Π.Κ. , Institutional Coordinator, 2009-2011
13. «Μελέτη για την εγκατάσταση οχλουσών εγκαταστάσεων και επικίνδυνων δραστηριοτήτων και δεξαμενών αποθήκευσης υγρών καυσίμων στο Ν. Χανίων», ΝΑ Χανίων, Coordinator, 2009-2010
14. "PV-TRIN: Training of PV engineers and installers", (Coordinator, Intelligent Energy for Europe, May 2010-)  
BRE-Building Research Establishment Ltd (UK), Agency of Brasov for the Management of Energy and Environment (RO), Energy Institute Hrvoje Požar (HR), EPIA-European Photovoltaic Industry Association (EU), Scientific and Technical ChambeSofia Energy Centrer of Cyprus (CY), Tecnalia RBTK (ES), Technical Chamber of Greece (GR)
15. "PV-PARITY: Definition of grid-parity for photovoltaics and development of measures to accompany PV applications to the grid parity and beyond (IEE/10/307)" (Institutional Coordinator, Intelligent Energy for Europe, May 2011-) WIP – Renewable Energies (DE); Technische Universität Wien (AT); Imperial College (UK); EPIA – European Photovoltaic Industry Association (BE); Technical University of Crete – Environmental Engineering dpt, Renewable and Sustainable Energy Systems Lab (GR); Energieonderzoek Centrum Nederland (ECN); Stiftung Umweltenergierecht (DE); Gestore dei Servizi Energetici – GSE S.p.A. (IT); Enel Green Power S.p.A. (IT); Instituto para la Diversificación y Ahorro de la Energía (IDAE); Groupe EDF Energies Nouvelles (FR)
16. «Δυναμικό, προέλευση και χρήσεις της βιομάζας ξυλείας στην Κύπρο και αξιολόγηση των κοινωνικών, οικονομικών και περιβαλλοντικών επιπτώσεων» ΑΕΙΦΟΡΙΑ/ΚΟΙΦ/0608 (BE) (Institutional Coordinator, Ίδρυμα Έρευνας Κύπρου, Δεκ 2010-Νοε 2012)
17. "Βιώσιμη χωροθέτηση αιολικών πάρκων στην Κρήτη" (Coordinator, Περιφερειακή Αυτοδιοίκηση Κρήτης, Σεπ 2010-Δεκ 2011)
18. **RecOil Promotion of used cooking oil recycling for sustainable biodiesel production** (Institutional Coordinator, Intelligent Energy for Europe, May 2012-April 2015) ENA- Energy and Environment Agency of Arrábida (PT); Factor Social (PT); Environmental Eng Dept- Technical University of Crete (GR); ALESSCO-Local Energy Agency of the Province of Cosenza (IT); APEC- Fundacion Medio Ambiente, Energia y Sostenibilidad Provincia de Cadiz (ES); Senergia- Regional Energy Agency for Barreiro, Moita, Montijo and Alcochete (PT); ELIN Biofuels S.A. (GR); ETA s.r.l. (IT); Municipality of Castrolibero (IT); EUBIA- European Biomass Industry Association (BE); Agro Buisness Park (DK)
19. BUS GR: BUILD UP Skills - Greek platform and Roadmap for the building workforce qualification on energy efficiency and renewable energy (Institutional Coordinator, Intelligent Energy - Europe, 2012-2013)
20. Renewable Energy Technology Transfer Network "RENEW-TRANSNET" (Institutional Coordinator, 5FP, ΚΑΠΕ (GR), IIS Ltd (UK), META (IT), University of Vaasa (FI), 2003-2006)
21. Small Wind industry implementation strategy "SWIIS" (Institutional Coordinator, 5FP, NNE5/2002/60, SEED (FR), AMSET LTD (UK), ΚΑΠΕ (GR), ECN (NL), European Wind Energy Association, FhD-ISE (DE), KOBAS SRL (IT), GAZELLE LTD (UK), VERGNET SA (F))

## SCIENTIFIC COORDINATOR (PROJECT AND/OR INSTITUTIONAL) 2/2

22. Pellets for Europe (Institutional Coordinator, ALTENER 2002-012-137-160, ΚΑΠΕ (GR), DK-TEKNIK (DK), IE (IR), SVEBIO (SE), BAPE (PO), VTT (FI), ESV (AT), ZREU (DE), SOFIA EC (BU), CARTIF (ES), WIP (DE), European Biomass Industry Association (EUBIA), ETA (IT))
23. Solar air conditioning "CLIMASOL" (Institutional Coordinator, ALTENER, 4.1030/Z/02-121 RhonalpEnergie Environnement (F), ΚΑΠΕ (GR), TECSOL SA (F), ENERGIA (I) AMES (P), BE (DE), EVE (ES), FhG-ISE (DE))
24. Evaluation of the projects of the World Solar Programme 1996-2005 (Coordinator, THERMIE DIS-1242-1997-GR, ΚΑΠΕ (GR), ICAEN (ES), SIDEF (F), ETSU (DE), UNESCO και φορείς από Τρίτες Χώρες
25. Energy efficient technologies in high temperature industries in Bulgaria and Hungary (Coordinator, THERMIE DIS-0788-1996-GR, ΚΑΠΕ (GR), TIL/IST (P), Imperial College (UK), ADERSA (F), Ένωση Ελλήνων Χημικών (GR), Ελληνικός Υαλουργικός Σύνδεσμος (GR), 1997-1999)
26. BIOHEAT – Biomass heating in large buildings and blocks (Institutional Coordinator, ALTENER, συνεργασία EVA, ΚΑΠΕ, TNO, TEKNIK, CBE, ENEA, IDAE, SVEBIO, 2000-)
27. Mediterranean Cooperation for the sustainable development of a water desalination policy decision making tools and continuing education (Institutional Coordinator, INCO, συνεργασία ΕΜΠ, ΚΑΠΕ, UNESCO και 10 χωρών της Μεσογείου, 1998-2001)
28. Development of TC for craftsmen in Tunisia (Institutional Coordinator, THERMIE, leader: ZREU, 1997-1999)
29. NEZEH- Near Zero Energy Hotels (Intelligent Energy - Europe, 2013-2016, Coordinator), :World Tourism Organisation (UNWTO, UN), the Federation of European Heating and Air-conditioning Associations (REHVA, EU), the Network of European Region for a Sustainable and Competitive Tourism (NECSTOUR, EU) , CREAMA (ES), Istituto Superiore sui Sistemi Territoriali per l'Innovazione (IT), Sustainable Innovation (SE), Agency of Brasov for Energy Management and Environment Protection (RO), Energy Institute Hrvoje Pozar (HR), ENERGIES 2050 (FR)
30. Proteas Solar Polygeneration, ΣΥΝΕΡΓΑΣΙΑ 2011, ΓΓΕΤ, 2013-2015
31. Βιοκλιματική ανάπλαση δημοσίων χωρων στο Δ. Πεθιμνης, ΕΣΠΑ, 2013-2015
32. Green Partnerships – Local partnerships for greener cities and regions (Med programme, 2013-2016), Energy agency of Podravje (SL), Lakatamia Municipality (CY), GERES - Group for the Environment, Renewable Energy and Solidarity (FR), Kyoto Club (EU), AREANATEjo - Regional Energy and Environment Agency from North Alentejo (PT), Granollers city council (ES), Agricultural University of Tirana (AL), Hydro Engineering Institute Sarajevo (HE), Institut for spatial planning of the Koprivnica-Križevci Country (HR), Institute for Strategic Studies and Prognoses (MO)
33. Ενεργειακά ζητήματα της στρατηγικής ΜΠΕ του έργου ΙΤΑΝΟΣ ΓΑΙΑ (Ιουν 2013-Οκτ 2014)
34. UPSWING: UPgrading the construction Sector Workforce traIning and qualification in Greece (Χρηματοδότηση: Intelligent Energy - Europe, 2014-2017)
35. TRUST-EPC-SOUTH "Building TRUST in Energy Performance Contracting for tertiary sector energy efficiency and sustainable energy projects in Southern European Countries" (H2020, 2015-2018)
36. RESCoop Plus: Harnessing power of RESCoops beyond RES production (H2020, 2016-2019) Level Up (Coordinator) (PT), Ecopower (BE), Enercoop (FR), Som Energia (ES), Client Earth (UK), Coopémico (PT), Avanzi (IT), Rescoop.eu (BE), ODE (NL), Süd Tiroler Energie Verband (IT), EBO Consult A/S (DM), Technische Universiteit Twente (NL)
37. CIVITAS DESTINATIONS (H2020, 2016-2020)
38. COMPOSE: Rural COMMunities engaged with POSitive Energy (Med-Interreg 2014-2020, 2016-2019)