

Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) **Ghermandi Andrea**

Address(es) University of Haifa, Faculty of Management, Dept. of Natural Resources and Environmental Management, Mount Carmel, Haifa 3498838, Israel

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Nationality Italian, Israeli

Date of birth 16.04.1977

Gender Male

Professional and academic work experience

Dates Since October 2011

Occupation or position held Lecturer; Senior lecturer (tenured) since Jan 2016

Main activities and responsibilities Head of the Global Green MBA program at the Faculty of Management. Researcher and lecturer. Teaching: "Principles of Sustainability", "Climate Change Impacts and Adaptation"; "Non-Conventional Water Resources"; "Water and Wastewater Treatment"; "Sustainability, Cleantech and Business", "Green Technologies, sustainability and the environment in Israel"

Name and address of employer University of Haifa, Faculty of Management, Dept. of Natural Resources and Environmental Management, Mt. Carmel, Haifa 31905 Israel

Type of business or sector Academic institution

Dates 2007 – 2013

Occupation or position held Associate researcher

Main activities and responsibilities Main research areas: development of sustainable desalination technologies coupled with renewable energy; pressure- and electrically-driven membrane desalination and water treatment technologies; use of desalinated water in agriculture. Selected research projects include:

- "Agricultural Oasis" project on solar desalination for dryland agriculture;
- NEW-ED "Advanced bipolar membrane processes for remediation of highly saline waste water streams", co-funded by EU FP7;
- CSPD-COMISJO "Concentrating Solar Power and Desalination for Communities in Israel and Jordan", funded by the German Federal Ministry of Education and Research (BMBF) and the Israeli Ministry of Science (MOST);
- KATAMON "Development of a New Modular Electrodialysis Stack", funded by the Israeli Ministry of Industry, Trade and Labor.

Name and address of employer Ben-Gurion University of the Negev, Zuckerberg Institute for Water Research, Department of Desalination & Water Treatment, 84105 Beer-Sheva, Israel

Dates	Since February 2010
Occupation or position held	Associate researcher
Main activities and responsibilities	Selected research projects include: <ul style="list-style-type: none"> - CIRCE "Climate Change and Impacts Research: The Mediterranean Environment", co-funded by EU FP6 - Evaluation of Climate Change impact on Water Management within the Agricultural Sector and its implications on the Israeli Economy at large
Name and address of employer	Natural Resources and Environmental Research Center, Haifa, Israel
Type of business or sector	Non-profit, research institution
Dates	2012 – 2013
Occupation or position held	Associate researcher
Main activities and responsibilities	Main research area: evaluation of the economic impacts of ocean acidification in the Mediterranean Sea on recreation, tourism, and carbon sequestration. Project: <ul style="list-style-type: none"> - MEDSEA "Impact of ocean acidification in the Mediterranean in a changing climate", co-funded by EU FP7
Name and address of employer	Universitat Autònoma de Barcelona, Institute of Environmental Science and Technology, 08193 Bellaterra (Cerdanyola), Spain
Type of business or sector	Academic institution
Dates	From October 2005 to December 2011
Occupation or position held	Associate researcher
Main activities and responsibilities	Main research areas: valuation of freshwater and coastal ecosystems; analysis and evaluation of sustainable water management practices; research on GIS-based meta-analysis, value transfer and scaling up; assessment of monetary impact of climate change on ecosystem values and biodiversity. Selected research projects include: <ul style="list-style-type: none"> - KNOWSEAS "Knowledge-based Sustainable Management for Europe's Seas", co-funded EU FP7; - "The Social Dimension of Biodiversity Policy", under the Framework contract for economic analysis ENV.G.1/FRA/2006/0073 – 2nd; - PRACTICE "Prevention and Restoration Actions to Combat Desertification. An Integrated Assessment", co-funded by EU FP7; - EIBURS-CLIBIO "Climate Change Impacts and Biodiversity Effects", funded by European Investment Bank, University Research Sponsorship Programme; - "Scaling up Ecosystem Services Values: Methodology, Applicability and a Case-study", funded by the European Environment Agency (EEA); - MODELKEY "Models for Assessing and Forecasting the Impact of Environmental Key Pollutants on Marine and Freshwater Ecosystems and Biodiversity", co-funded by EU FP6. - SERRES "Selection of new grape rootstocks resistant to abiotic stresses through the development and validation of physiological and molecular markers", funded by AGER foundation.
Name and address of employer	FEEM, Fondazione Eni Enrico Mattei (Castello 5252, 30122 Venice, Italy) and Department of Economics, University Cà Foscari of Venice (Cannaregio 873, 30121 Venice, Italy)
Type of business or sector	Non-profit, research institution and academic institution
Dates	From February 2011 to May 2012
Occupation or position held	Postdoctoral researcher
Main activities and responsibilities	Main research area: modelling the effects of climate change on crop yields, land profitability and land use allocation to agricultural activities in Israel and Italy. Project title: <ul style="list-style-type: none"> - GLOWA "Global Change and the Hydrological Cycle", sponsored by the German Federal Ministry of Education and Research
Name and address of employer	The Hebrew University of Jerusalem, Robert H. Smith Faculty of Agriculture, Food and Environment, Department of Agricultural Economics and Management, 76100 Rehovot, Israel
Dates	From April 2009 to June 2010
Occupation or position held	Consultant
Main activities and responsibilities	Main research areas: development and application of value transfer functions for the assessment and mapping of the economic value of tourism and recreation activities in coastal areas globally; support in the development of similar methodologies for assessment of the value of coastal protection. Projects:

- Ocean Health Index (OHI);
 - Global Ocean Economic Value project.

Name and address of employer Conservation International Foundation, 2011 Crystal Drive, Arlington, VA 22202, USA.
 Type of business or sector Non-profit institution

Dates Academic year 2009-10

Occupation or position held Contract professor

Main activities and responsibilities Lecturer in *Economic Valuation of Environmental Resources*, M.Sc. program in Ecology of Climatic Changes, 5 CFU.

Name and address of employer Faculty of Science and Technology, University of Urbino, via Saffi 2, Urbino, Italy
 Type of business or sector Academic institution

Education and training

Dates From September 2004 to April 2008

Title of qualification awarded Ph.D. in Analysis and Governance of Sustainable Development (Doctor Europaeus)

Principal subjects/occupational skills covered Technical-economical evaluation of ecological engineering as a sustainable water resources management practice, with particular reference to the European Water Framework Directive

Name and type of organisation providing education and training University Cà Foscari of Venice, School for Advanced Studies in Venice Foundation Dorsoduro 3488, 30123 Venice, Italy

Level in international classification ISCED 6

Dates From September 2003 to July 2004

Title of qualification awarded Master of Science in Water Resources Engineering

Principal subjects/occupational skills covered Management of Water (Re-)Use, Surface and Groundwater Modelling, Geographic Information Systems (GIS) in Water Resources Engineering, Systems Approach to Water Management.

Name and type of organisation providing education and training Joint programme of the Catholic University of Leuven (K.U. Leuven) and the Free University of Brussels (V.U.B.), Belgium

Level in international classification ISCED 5A

Dates From September 1996 to February 2003

Title of qualification awarded Master of Environmental Engineering

Principal subjects/occupational skills covered Water Treatment; Hydraulics; Hydrodynamics; Advanced Mathematics; Environmental Economics; Environmental Assessment Methods; River Basin Management; Chemistry; Physics.

Name and type of organisation providing education and training Faculty of Civil and Environmental Engineering, University of Trento, Italy

Level in international classification ISCED 5A

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English, German, French, Hebrew**

Self-assessment
European level ()*

English

German

French

Hebrew

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C1	Proficient user	C1	Proficient user	C1	Independent user	B2	Independent user	B2	Independent user
C1	Proficient user	C1	Proficient user	B1	Independent user	B1	Independent user	B1	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	A1	Basic user

(*) *Common European Framework of Reference for Languages*

Computer skills and competences	Geographic Information Systems (ESRI ArcGIS, GRASS, MapInfo), statistic software (R, STATA), desalination design software (ROSA, IMSdesign), water quality models (ASM, RWQM), programming languages (R, FORTRAN) and Microsoft Office (incl. Word, Excel and PowerPoint); acquaintance with online research tools.
Artistic skills and competences	Intermediate diploma in piano studies (8 th year) at the Academy of Music Monteverdi, Bolzano, Italy (awarded June 2000)
Publications Guest editor in special issues of international journals	Nunes, P.A.L.D., and A. Ghermandi (eds.) "Special Issue on The Economics and Management of Coastal and Marine Ecosystems", <i>Environmental and Resource Economics</i> 56 (2013).
Publications in international journals	<p>Ghermandi, A., T. Minich (2016) Analysis of farmers' attitude toward irrigation with desalinated brackish water in Israel's Arava Valley. <i>Desalination and Water Treatment</i> (in press).</p> <p>Ghermandi, A., A.M. Sheela, J. Justus (2016) Integrating similarity analysis and ecosystem service value transfer: results from a tropical coastal wetland in India. <i>Ecosystem Services</i> 22:73-82.</p> <p>Z. Zilberfarb, R. Palatnik, A. Ghermandi (2016) Urban grey water reuse: the gap between public perception and regulation. <i>Ecology and Environment</i> 3(7): 267-268 [Hebrew].</p> <p>Ghermandi, A. (2016) Analysis of intensity and spatial patterns of public use in natural treatment systems using geotagged photos from social media. <i>Water Research</i> 105: 297-304.</p> <p>Ghermandi, A., E. Fichtman (2015) Cultural ecosystem services of multifunctional constructed treatment wetlands and waste stabilization ponds: time to enter the mainstream? <i>Ecological Engineering</i> 84: 615–23.</p> <p>Ghermandi, A. (2015) Benefits of coastal recreation in Europe: identifying trade-offs and priority regions for sustainable management. <i>Journal of Environmental Management</i> 152:218–29.</p> <p>Canu, D., A. Ghermandi, P.A.L.D. Nunes, G. Cossarini, P. Lazzari, C. Solidoro (2015) "Ecological-economics valuation of carbon sequestration ecosystem services in the Mediterranean Sea", <i>Global Environmental Change</i> 32: 87-95.</p> <p>Rao, N.S., A. Ghermandi, R. Portela and X. Wang (2015) "Global values of coastal ecosystem services: A spatial economic analysis of shoreline protection values", <i>Ecosystem Services</i> 11: 95-105.</p> <p>Ghermandi, A., B. Galil, J. Gowdy, P.A.L.D. Nunes (2015) "Jellyfish outbreak impacts on recreation in the Mediterranean Sea: Welfare estimates from a socio-economic pilot survey in Israel", <i>Ecosystem Services</i> 11:140-147.</p> <p>Ghermandi, A., R. Messalem, R. Offenbach, S. Cohen (2014) "Solar desalination for sustainable brackish water management in arid land agriculture", <i>Renewable Agriculture and Food Systems</i>, CJO2013, doi:10.1017/S1742170513000082, pp. 1-10.</p> <p>Camacho-Valdez, V., A. Ruiz-Luna, A. Ghermandi, C.A. Berlanga-Robles, P.A.L.D. Nunes (2014) Effects of land use changes on the ecosystem service values of coastal wetlands. <i>Environmental Management</i> 54(4):852-864.</p> <p>Nunes, P.A.L.D., and A. Ghermandi (2013) "The economics of marine ecosystems: Reconciling use and conservation of coastal and marine systems and the underlying natural capital", <i>Environmental and Resource Economics</i> vol. 56, pp. 459-465.</p> <p>Ghermandi, A., H. Ding, P.A.L.D. Nunes (2013) "The social dimension of biodiversity policy in the European Union: Valuing the benefits to vulnerable communities", <i>Environmental Science and Policy</i> vol. 33, pp. 196-208.</p> <p>Kedem, O., A. Ghermandi, R. Messalem (2013) "On the drying out of bipolar membranes", <i>Membrane Water Treatment</i> vol. 4(3), pp. 215-222.</p> <p>Camacho-Valdez, V., A. Ruiz-Luna, A. Ghermandi, P.A.L.D. Nunes (2013) "Valuation of ecosystem services provided by coastal wetlands in northwest Mexico", <i>Ocean & Coastal Management</i> 78: 1-11.</p> <p>Ghermandi, A., P.A.L.D. Nunes (2013) "A global map of coastal recreation values: Results from a</p>

spatially explicit meta-analysis", *Ecological Economics* vol. 86, pp. 1-15.

Rodrigues, L., J.C.J.M. van den Bergh, **A. Ghermandi** (2013) "Socio-economic impacts of ocean acidification in the Mediterranean Sea", *Marine Policy* vol. 38, pp. 447-456.

de Groot, R.S., L. Brander, S. van der Ploeg, F. Bernard, L. Braat, M. Christie, R. Costanza, N. Crossman, **A. Ghermandi**, L. Hein, S. Hussain, P. Kumar, A. McVittie, R. Portela, L.C. Rodriguez, P. ten Brink, (2012) "Global estimates of the value of ecosystems and their services in monetary terms", *Ecosystem Services* vol. 1, pp. 50-61.

Olwig, R., T. Hirsch, C. Sattler, H. Glade, L. Schmeken, S. Will, **A. Ghermandi**, and R. Messalem (2012) "Techno-economic analysis of combined concentrating solar power and desalination plant configurations in Israel and Jordan", *Desalination and Water Treatment* vol. 41(1-3), pp. 9-25.

Brander, L., I. Bräuer, H. Gerdes, **A. Ghermandi**, O. Kuik, A. Markandya, S. Navrud, P. Nunes, M. Schaafsma, H. Vos, and A. Wagtendonk (2012) "Using meta-analysis and GIS for value transfer and scaling up: Valuing climate change induced losses of European wetlands", *Environmental and Resource Economics* vol. 52, pp. 395-413.

Palatnik, R.R., I. Kan, M. Rapaport-Rom, **A. Ghermandi**, F. Eboli, and M. Shechter (2011) "Integration of general and partial equilibrium agricultural land-use transformation for the analysis of climate-change in the Mediterranean", *Climate Change Economics* 2(4), pp. 275-299.

Ghermandi, A., J.C.J.M. van den Bergh, L.M. Brander, H.L.F. de Groot, and P.A.L.D. Nunes (2010) "The Values of Natural and Human-made Wetlands: A Meta-analysis", *Water Resources Research* vol. 46, W12516, doi: 10.1029/2010WR009071.

Ghermandi, A., and S. Batayneh (2010) "Photovoltaic-powered membrane desalination in urban and rural areas", *Annals of Arid Zone* 39(3-4), pp. 311-332.

Ghermandi, A., and R. Messalem (2009) "The advantages of NF desalination of brackish water for sustainable irrigation: The case of the Arava Valley in Israel", *Desalination and Water Treatment* vol. 10, pp. 101-107.

Ghermandi, A., and R. Messalem (2009) "Solar-driven desalination with reverse osmosis: The state of the art", *Desalination and Water Treatment*, vol. 7, pp. 285-96.

Ghermandi, A., V. Vandenberghe, L. Benedetti, W. Bauwens, P.A. Vanrolleghem (2009) "Model-based assessment of shading effect by riparian vegetation on river water quality", *Ecological Engineering*, vol. 35, pp. 92-104.

Ghermandi, A., D. Bixio, and C. Thoeye (2007) "The role of constructed wetlands in municipal wastewater reclamation and reuse", *The Science of the Total Environment*, vol. 380, pp. 247-58.

Ghermandi, A., D. Bixio, P. Traverso, I. Cersosimo, and C. Thoeye (2007) "The removal of pathogens in constructed wetlands and its implications for water reuse", *Water Science and Technology*, vol. 56, nr. 3, pp. 207-16.

Ghermandi, A., D. Bixio, and P. Traverso (2007) "Constructed wetlands: The ugly duckling of water recycling?", *Water21*, August 2007, pp. 49-51.

Traverso, P., D. Zanchettin, **A. Ghermandi**, F. Buseti, S. Badoer (2007) "Seasonal variability of SVI in the secondary sedimenter of an Italian WWTP", *Chemical Engineering Transactions*, vol. 11, pp. 217-21.

Ghermandi, A., D. Bixio, C. Thoeye, and G. De Guedre (2005) "Technical-economical evaluation of the operation of oxidation ditches", *Water Science and Technology*, vol. 52, nr. 12, pp. 133-9, 2005.

Books and monographs

Nunes, P.A.L.D., **A. Ghermandi**, L. Onofri (2014) "Guidance manual on valuation and accounting of ecosystem services for Small Island Developing States (SIDS)". Valuation & Accounting of Natural Capital for Green Economy (VANTAGE) series, United Nations Environment Program (UNEP), Nairobi.

Chapters in books

Obura, D., V. Burgener, H.O. Ralison, P. Scheren, P.A.L.D. Nunes, **A. Ghermandi**, M. Samoilys, D. Waruinge, J. Tanzer. The Northern Mozambique Channel: A capitals approach to a Blue Economy future. Mapping ecosystem service values in Trinidad and Tobago. In Kumar, P., P.A.L.D. Nunes, L.E.

Svensson, and A. Markandya (eds.) *Handbook on the Economics and Management for Sustainable Oceans*, Edward Elgar: Cheltenham, UK (in press).

Loureiro, M.L., **A. Ghermandi**, B. Galil, J. Gowdy, P.A.L.D. Nunes. Jellyfish outbreaks and recreation in the Mediterranean Sea: welfare impacts and impacted recreationist types in Tel Aviv and Barcelona coastlines. In Kumar, P., P.A.L.D. Nunes, L.E. Svensson, and A. Markandya (eds.) *Handbook on the Economics and Management for Sustainable Oceans*, Edward Elgar: Cheltenham, UK (in press).

Ghermandi, A., P.A.L.D. Nunes (2014) The benefits of coastal recreation in Europe's seas: an application of meta-analytical value transfer and GIS. In K.N. Ninan (ed.), *Valuing Ecosystem Services-Methods and Applications*. Edward Elgar: Cheltenham, UK, pp. 497-526.

Ghermandi, A., P.A.L.D. Nunes, R. Portela, N. Rao, and S.S. Teelucksingh (2011) "Recreational, cultural and aesthetic services from estuarine and coastal ecosystems", in M. van den Belt and R. Costanza (eds.) Volume 12, *Ecological Economics of Estuaries and Coasts*. In E. Wolanski and D.S. McLusky (eds.) *Treatise on Estuarine and Coastal Science*, Waltham MA: Academic Press: 217-237.

Shuang, L., R. Portela, **A. Ghermandi**, N. Rao, and X. Wang (2011) "Environmental benefits transfer of ecosystem services valuation", in M. van den Belt and R. Costanza (eds.) Volume 12, *Ecological Economics of Estuaries and Coasts*. In E. Wolanski and D.S. McLusky (eds.) *Treatise on Estuarine and Coastal Science*, Waltham MA: Academic Press: 55-77.

de Groot, R. P. Kumar, S. van der Ploeg, S. Hussain, P. van Beukering, R. Portela, **A. Ghermandi**, L. Brander, N. Crossman, M. Christie, F. Bernard, L.C. Rodriguez, L. Hein, D. Pitt (2010) Estimates of monetary values of ecosystem services. In P. Kumar (ed.) *The Economics of Ecosystem and Biodiversity: Ecological and Economic Foundations*, Earthscan, London and Washington.

Other publications

Rubenstein, S., Shechter, M., **Ghermandi, A.** (2016) "GHG emissions reductions in Israel: ramifications for employment", Proc. of 4th Conference on Transforming Development Through Inclusive Green Growth, Jeju Island, South Korea, 6-7 September 2016.

Beaudoin, Y., L. Pendleton (eds.) (2012) "Why value the oceans?", TEEB Discussion Paper, UNEP/GRID-Arendal and Duke University's Nicholas Institute for Environmental Policy Solutions, February 2012.

Ghermandi, A., P.A.L.D. Nunes (2011) "A global map of coastal recreation values: Results from a spatially explicit meta-analysis", Department of Economics Ca' Foscari University of Venice, Working Paper No. 08/WP/2011 ISSN 1827-3580.

Ghermandi, A., P.A.L.D. Nunes (2011) "A global map of coastal recreation values: Results from a spatially explicit meta-analysis", *FEEM Working Paper Series*, 39.2011.

EEA, (2010) "Scaling up ecosystem benefits: A contribution to The Economics of Ecosystems and Biodiversity (TEEB) study", European Environment Agency, Report 4/2010, ISSN 1725-9177.

Brander, L., **A. Ghermandi**, O. Kuik, A. Markandya, P.A.L.D. Nunes, M. Schaafsma, and A. Wagtendonk (2010) "Scaling up ecosystem services values: Methodology, applicability and a case study", *FEEM Working Paper Series*, 41.2010.

Ghermandi, A., P.A.L.D. Nunes, R. Portela, N. Rao, and S.S. Teelucksingh (2009) "Recreational, cultural and aesthetic services from estuarine and coastal ecosystems", *FEEM Working Paper Series*, 121.2009.

Ghermandi, A., J.C.J.M. van den Bergh, L.M. Brander, H.L.F. de Groot, and P.A.L.D. Nunes (2009) "The values of natural and constructed wetlands: A meta-analysis", *Tinbergen Institute Discussion Paper* TI 2009-080/3.

Ghermandi, A., J.C.J.M. van den Bergh, L.M. Brander, H.L.F. de Groot, and P.A.L.D. Nunes (2008) "The economic value of wetland conservation and creation: A meta-analysis", *FEEM Working Paper Series*, 79.2008.

Oral presentations in international symposia

"Building natural capital in multi-functional ecologically engineered water treatment systems: an analysis of cultural ecosystem services", 3rd International Congress on Water, Waste and Energy Management, Rome, Italy, 19-20 July 2016.

"Solar-powered desalination of brackish water with nanofiltration membranes for intensive agricultural

use in Jordan, the Palestinian Authority and Israel (AGRISOL)", 3rd International Congress on Water, Waste and Energy Management, Rome, Italy, 19-20 July 2016.

"Understanding and valuing the marine ecosystem services of the Northern Mozambique Channel", Conference of International Society for Ecological Economics (ISEE), Washington DC, USA, 26-29 June 2016.

"Cultural ecosystem services of multi- functional natural treatment systems: time to enter the mainstream?", 6th International Symposium on Wetland Pollutant Dynamics and Control (WETPOL), York, UK, 13-18 September 2015.

"Economic valuation research on climate change, jellyfish outbreaks and impacts on coastal tourism", Annual Conference of the European Association of Environmental and Resource Economists, Helsinki, Finland, 27-27 June 2015.

"Ecological-economics valuation and mapping of carbon sequestration in the Mediterranean Sea", Israel Geography Conference, Haifa, Israel, 24-26 December 2014.

"Jellyfish outbreaks and coastal recreation: welfare losses, impacted categories and vulnerability maps", International workshop on The Israeli Mediterranean: the management aspect, Haifa, Israel, 14 September 2014.

"Ecological-economics valuation and spatial mapping of regulation services in marine systems: results from a study on carbon sequestration in the Mediterranean Sea", Biannual Conference of International Society for Ecological Economics, Reykjavik, 13-15 August 2014.

"Building a benefitshed of coastal recreation in Europe: the role of GIS in characterizing trade-offs and setting priorities for sustainable policy and management", World Congress of Environmental and Resource Economists, Istanbul, 28 June – 2 July 2014.

"More crop for drop: Solar desalination for desert agriculture", 1st International Conference on Desalination using Membrane Technology, 7-10 April 2013, Sitges, Spain.

"An engineered oasis for solar desalination and arid land agriculture", EDS Conference on Desalination for the Environment – Clean Water and Energy, 23-26 April 2012, Barcelona, Spain.

"Ecological engineering for sustainable water management in the Mediterranean", Symposium on Water Policy Issues in the Euro-Mediterranean Region, Thessaloniki, 3 December 2011.

"A place in the sun for coastal recreation: A GIS-based meta-analysis and value transfer", World Conference on Marine Biodiversity, Aberdeen, 26–30 September 2011.

"Global values of shoreline and coastal ecosystem services: A spatial economics analysis", 13th BIOECON Conference on Resource Economics, Biodiversity Conservation and Development, Geneva, 11-13 September 2011.

"A place in the sun for coastal recreation: A GIS-based meta-analysis and global value map", 18th Annual Conference of the European Association of Environmental and Resource Economists, Rome, 29 June – 2 July 2011.

"Technical-economical evaluation of the operation of a solar-powered NF desalination plant for sustainable agriculture", EuroMed 2010 Conference on Desalination Cooperation among Mediterranean Countries of Europe and the MENA Region, Tel Aviv, Israel, 3-7 October 2010.

"Mapping the global values of recreation in coastal ecosystems: results from a meta-analysis", 12th BIOECON Conference on Economic Instruments to Enhance the Conservation and Sustainable Use of Biodiversity, Venice, 27–28 September 2010.

"Recreational values of coastal ecosystems: Results from a GIS-based meta-analysis and value transfer", 4th World Congress of Environmental and Resource Economists, Montreal, 28 June – 2 July 2010.

"Technical-economical evaluation of the operation of a solar-powered NF desalination plant for sustainable agriculture", 46th annual conference of the Israeli institute of Chemical Engineers, Haifa, 10 June 2010.

"The recreational values of European coastal ecosystems and the impact of climate change", 39th

Congress of the Mediterranean Science Commission (CIESM), Venice, 10-14 May 2010.

"Climate change impacts on biodiversity and freshwater ecosystems values: Meta-analytical results from a European case study", 11th BIOECON Conference on Economic Instruments to Enhance the Conservation and Sustainable Use of Biodiversity, Venice, 20–22 September 2009.

"The values of coastal ecosystems for recreation and passive uses: A global analysis", 11th BIOECON Conference on Economic Instruments to Enhance the Conservation and Sustainable Use of Biodiversity, Venice, 20–22 September 2009.

"The economic value of natural versus constructed ecosystems: Evidence from a meta-analysis", 17th European Association of Environmental and Resource Economists (EAERE) Annual Conference, Amsterdam, 27–27 June 2009.

"Coastal tourism and recreation under climate change", 5th Conference of the United States Society for Ecological Economics (USSEE), Washington DC, 31 May – 3 June 2009.

"The economic value of natural versus constructed ecosystems: Evidence from a meta-analysis", 5th Conference of the United States Society for Ecological Economics (USSEE), Washington DC, 31 May – 3 June 2009.

"Solar-driven desalination with reverse osmosis: The state of the art", 5th EuroMed Conference on Desalination Cooperation among Mediterranean Countries of Europe and the MENA Region, Dead Sea, Jordan, 9–13 November 2008.

"Design considerations and feasibility of solar desalination for agricultural application in the Arava Valley, Israel", 5th EuroMed Conference on Desalination Cooperation among Mediterranean Countries of Europe and the MENA Region, Dead Sea, Jordan, 9–13 November 2008.

"On the development of a meta-analytical framework for the economic valuation of constructed wetlands", IWA 6th International Conference on Wastewater Reclamation and Reuse for Sustainability, Antwerp, Belgium, 9–12 October 2007.

"Modelling pathogen removal for the design of surface-flow constructed wetlands", IWA 6th International Conference on Wastewater Reclamation and Reuse for Sustainability, Antwerp, Belgium, 9–12 October 2007.

"Exploring diversity: A meta-analysis of wetland conservation and creation", 9th International BIOECON Conference on Economics and Institutions for Biodiversity Conservation, Cambridge, UK, 19–21 September 2007.

"An evidence-based characterization of the fate of pathogens in constructed wetlands", 1st Mediterranean Congress of Chemical Engineering for the Environment, Venice, Italy, 4–6 October 2006.

"The removal of pathogens in constructed wetlands and its implications for water reuse", 10th International Conference on Wetland Systems for Water Pollution Control, Lisbon, Portugal, 23–29 September 2006.

"The role of constructed wetlands in municipal wastewater reclamation and reuse", WETPOL Symposium on Wetland Pollutant Dynamics and Control, Ghent, Belgium, 4–8 September 2005.

Other relevant information

Occasional referee for Environmental Science and Technology, Science of the Total Environment, Ecological Engineering, Ecological Economics, Environmental and Resource Economics, Review of Environmental Economics and Policy, Journal of Membrane Science, Desalination, Applied Geography, Environmental Management, Environmental Monitoring and Assessment, International Journal on Biodiversity Science and Management, Bioresource Technology, Desalination & Water Treatment, Land Degradation and Development, Environment, Development and Sustainability.

Member of the Italian Order of the Engineer 2003-2013.

Member of the Global Young Academy since 2013 (<http://www.globalyoungacademy.net>).

Member of the Environmental Experts Network of the Israel Society of Ecology & Environmental Sciences since November 2013 (<http://www.experts.isees.org.il>).