

Name: Andrea Ghermandi

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PUBLICATIONS

A. Ph.D. Dissertation

Title: Ecological engineering as a tool for sustainable development in water resources management
Date: 14.04.2008
Pages: 136
Language: English
University: Cà Foscari University of Venice, IUAV University of Venice, School for Advanced Studies Foundation in Venice, Italy
Supervisors: Prof. Pietro Traverso and Dr. Paulo A.L.D. Nunes
Publications: D2, D3, D4, D9, F3, F4, F5, F6, F7, F8, H1, H2

Number of citations and *h*-index

Web of Science, Core collection	Citations = 1023 (excluding self-citations) <i>h</i> -index = 14
Scopus	Citations = 1356 (excluding self-citations) <i>h</i> -index = 16
Google Scholar	Citations = 2348 <i>h</i> -index = 20

Notes to the list of publications:

For joint publications, the order of the listed authors appears according to their relative contribution unless otherwise specified.

IF = Impact Factor (JCR, year of publication or earliest available);

R = Ranking in specified category (JCR, year of publication or earliest available);

SJR = Scientific Journal Ranking (SCImago Journal & Country Rank, year of publication or earliest available);

= Student under my supervision

* = Item added since promotion to Senior Lecturer in January 2016.

B. Scientific Books (Refereed)

Edited Books and Special Journal Issues

1. Nunes, P.A.L.D., **A. Ghermandi** (eds.) (2013) Special Issue on "The Economics and Management of Coastal and Marine Ecosystems", *Environmental and Resource Economics* 56.

IF (2013)=1.703; R=65/333 (Q1) in Economics, 29/98 (Q2) in Environmental Studies

C. Monographs

1. 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, Kenya, 128 pp.

D. Articles in Refereed Journals

1. **Ghermandi, A.**, D. Bixio, C. Thoeve, G. De Gueldre (2005) Technical- economical evaluation of the operation of oxidation ditches. *Water Science and Technology* **52**(12):133–9.
IF (2005)=0.875; R=19/37 (Q3) in Engineering, Environmental, 96/140 (Q3) in Environmental Sciences, 29/57 (Q3) in Water Resources
2. Traverso, P., D. Zanchettin, **A. Ghermandi**, F. Busetti, S. Badoer (2007) Seasonal variability of SVI in the secondary sedimenter of an Italian WWTP. *Chemical Engineering Transactions* **11**:217–21.
SJR (2010)=0.217; R=166/410 (Q2) in Chemical Engineering (miscellaneous). [2010 is the earliest year this journal/book series is ranked in SJR]
3. **Ghermandi, A.**, D. Bixio, P. Traverso, I. Cersosimo, C. Thoeve (2007) The removal of pathogens in constructed wetlands and its implications for water reuse. *Water Science and Technology* **56**(3):207–16.
IF (2007)=1.240; R=15/37 (Q2) in Engineering, Environmental, 84/160 (Q3) in Environmental Sciences, 19/59 (Q2) in Water Resources
4. **Ghermandi, A.**, D. Bixio, C. Thoeve (2007) The role of constructed wetlands in municipal wastewater reclamation and reuse. *The Science of the Total Environment* **380**:247–58.
IF (2007)=2.182; R=38/160 (Q1) in Environmental Sciences
5. **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* **35**:92–104.
IF (2009)=2.745; R=42/129 (Q2) in Ecology, 8/42 (Q1) in Engineering, Environmental, 35/181 (Q1) in Environmental Sciences
6. **Ghermandi, A.**, R. Messalem (2009) Solar-driven desalination with reverse osmosis: The state of the art. *Desalination and Water Treatment* **7**:285–96.
IF (2010)=0.752; R=79/135 (Q4) in Engineering, Chemical, 51/76 (Q3) in Water Resources. [2010 is the earliest year the journal is ranked in JCR]
7. **Ghermandi, A.**, 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* **10**:101–7.
IF (2010)=0.752; R=79/135 (Q4) in Engineering, Chemical, 51/76 (Q3) in Water Resources. [2010 is the earliest year the journal is ranked in JCR]

8. **Ghermandi, A.**, S. Batayneh (2010) Photovoltaic-powered membrane desalination in urban and rural areas. *Annals of Arid Zone* **39**(3-4):1–22.
SJR (2010)=0.111; R=271/314 (Q4) in Agronomy and Crop Science, 329/363 (Q4) in Animal Science and Zoology, 489/528 (Q4) in Ecology, Evolution, Behavior and Systematics
9. **Ghermandi, A.**, J.C.J.M. van den Bergh, L.M. Brander, H.L.F. de Groot, P.A.L.D. Nunes (2010) The values of natural and human-made wetlands: A meta-analysis. *Water Resources Research* **46**, W12516, 12 pp.
IF (2010)=2.737; R=42/193 (Q1) in Environmental Sciences, 2/18 (Q1) in Limnology, 2/76 (Q1) in Water Resources
10. Palatnik, R.R., I. Kan, M. Rapaport-Rom, **A. Ghermandi**, F. Eboli, 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):275–99
IF=1.49 in IDEAS/RePEc Simple Impact Factors for Journals
11. Brander, L., I. Bräuer, H. Gerdes, **A. Ghermandi**, O. Kuik, A. Markandya, Navrud, P. Nunes, M. Schaafsma, H. Vos, 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* **52**:395–413.
IF (2012)=1.795; R=59/333 (Q1) in Economics, 25/93 (Q2) in Environmental Studies; authors are listed in alphabetic order
12. Olwig, R., T. Hirsch, C. Sattler, H. Glade, L. Schmeken, S. Will, **A. Ghermandi**, R. Messalem (2012) Techno-economic analysis of combined concentrating solar power and desalination plant configurations in Israel and Jordan. *Desalination and Water Treatment* **41**(1-3):9–25.
IF (2012)=0.852 ;R=83/133 (Q3) in Engineering, Chemical, 58/80 (Q3) in Water Resources; authors have contributed equally to this publication
13. 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 units. *Ecosystem Services* **1**:50–61.
IF (2015)=4.307; R=22/150 (Q1) in Ecology, 24/225 (Q1) in Environmental Sciences, 4/104 (Q1) in Environmental Studies. [2015 is the earliest year this journal is ranked in JCR]; authors after the third are listed alphabetically and have contributed equally to this publication
14. Rodrigues, L., J.C.J.M. van den Bergh, **A. Ghermandi** (2013) Socio- economic impacts of ocean acidification in the Mediterranean Sea. *Marine Policy* **38**:447–56.
IF (2013)=2.621; R=11/98 (Q1) in Environmental Studies, 3/83 (Q1) in International Relations
15. **Ghermandi, A.**, P.A.L.D. Nunes (2013) A global map of coastal recreation values: Results from a spatially explicit meta-analysis. *Ecological Economics* **86**:1–15.
IF (2013)=2.517; R=53/141 (Q2) in Ecology, 70/216 (Q2) in Environmental Sciences, 33/333 (Q1) in Economics, 14/98 (Q1) in Environmental Studies

16. 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. *Ocean & Coastal Management* 78:1–11.
IF (2013)=1.769; R=25/59 (Q2) in Oceanography, 27/81 (Q2) in Water Resources
17. **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. *Environmental Science and Policy* 33:196–208.
IF (2013)=3.514; R=31/216 (Q1) Environmental Sciences
18. Kedem, O., **A. Ghermandi**, R. Messalem (2013) On the drying out of bipolar membranes. *Membrane Water Treatment* 4(3):215–22.
IF (2013)=0.436; R=109/133 (Q4) in Engineering, Chemical, 73/81 (Q4) in Water Resources
19. Nunes, P.A.L.D., **A. Ghermandi** (2013) The economics of marine ecosystems: Reconciling conservation and use of coastal and marine systems and the underlying natural capital. *Environmental and Resource Economics* 56:459–65.
IF (2013)=1.703; R=65/333 (Q1) in Economics, 29/98 (Q2) in Environmental Studies
20. **Ghermandi, A.**, R. Messalem, R. Offenbach, S. Cohen (2014) Solar desalination for sustainable brackish water management in arid land agriculture. *Renewable Agriculture and Food Systems* 29(3): 255–64.
IF (2014)=1.355; R=13/56 (Q1) in Agriculture, Multidisciplinary
21. 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. *Environmental Management* 54(4):852–64.
IF (2014)=1.724; R=108/223 (Q2) in Environmental Sciences
22. **Ghermandi, A.** (2015) Benefits of coastal recreation in Europe: identifying trade-offs and priority regions for sustainable management. *Journal of Environmental Management* 152:218–29.
IF (2015)=3.131; R=54/225 (Q1) in Environmental Sciences
23. **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. *Ecosystem Services* 11:140–7.
IF (2015)=4.307; R=22/150 (Q1) in Ecology, 24/225 (Q1) in Environmental Sciences, 4/104 (Q1) in Environmental Studies
24. Rao, N.S., **A. Ghermandi**, R. Portela, X. Wang (2015) Global values of coastal ecosystem services: A spatial economic analysis of shoreline protection values. *Ecosystem Services* 11:95–105.
IF (2015)=4.307; R=22/150 (Q1) in Ecology, 24/225 (Q1) in Environmental Sciences, 4/104 (Q1) in Environmental Studies

25. Canu, D., **A. Ghermandi**, P.A.L.D. Nunes, G. Cossarini, P. Lazzari, C. Solidoro (2015) Estimating the value of carbon sequestration ecosystem services in the Mediterranean Sea: An ecological economics approach. *Global Environmental Change* 32:87–95.
IF (2015)=5.679; R=11/225 (Q1) in Environmental Sciences, 2/104 (Q1) in Environmental Studies, 1/77 (Q1) in Geography
26. **Ghermandi, A.**, E. Fichtman[#] (2015) Cultural ecosystem services of multifunctional constructed treatment wetlands and waste stabilization ponds: time to enter the mainstream? *Ecological Engineering* 84: 615–23.
IF (2015)=2.740; R=50/150 (Q2) in Ecology, 17/50 (Q2) in Engineering, Environmental, 66/225 (Q2) in Environmental Sciences
27. * **Ghermandi, A.** (2016) Analysis of intensity and spatial patterns of public use in natural treatment systems using geotagged photos from social media. *Water Research* 105: 297-304.
IF (2016)=6.942; R=2/49 (Q1) in Engineering, Environmental, 8/229 (Q1) in Environmental Sciences, 1/88 (Q1) in Water Resources
28. * Zilberfarb, Z.[#], R. Palatnik, **A. Ghermandi** (2016) Urban grey water reuse: the gap between public perception and regulation. *Ecology and Environment* 3(7): 267-268 [Hebrew].
29. * **Ghermandi, A.**, Sheela A.M., J. Justus (2016) Integrating similarity analysis and ecosystem service value transfer: results from a tropical coastal wetland in India. *Ecosystem Services* 22:73-82.
IF (2016)=4.072; R=31/153 (Q1) in Ecology, 36/229 (Q1) in Environmental Sciences, 8/105 (Q1) in Environmental Studies
30. * Sheela, A.M., **A. Ghermandi**, P. Vineetha, R.V. Sheeja, J. Justus, K. Ajayakrishna (2017) Assessment of relation of land use characteristics with vector-borne diseases in tropical areas. *Land Use Policy* 63: 369-380.
IF (2017)=3.194; R=25/108 (Q1) in Environmental Studies
31. * **Ghermandi, A.**, T. Minich[#] (2017) Analysis of farmers' attitude toward irrigation with desalinated brackish water in Israel's Arava Valley. *Desalination and Water Treatment* 76:328-331.
IF (2017)=1.383; R=80/137 (Q3) in Engineering, Chemical, 61/90 (Q3) in Water Resources
32. * **Ghermandi, A.**, S. Naoum, F. Alawneh, R. Offenbach, E. Tripler, J. Safi, M. Safi, R. Messalem (2017) Solar-powered desalination of brackish water with nanofiltration membranes for intensive agricultural use in Jordan, the Palestinian Authority and Israel. *Desalination and Water Treatment* 76:332-338.
IF (2017)=1.383; R=80/137 (Q3) in Engineering, Chemical, 61/90 (Q3) in Water Resources
33. * Akron, A.[#], **A. Ghermandi**, T. Dayan, Y. Hershkovitz (2017) Interbasin water transfer for the rehabilitation of a transboundary Mediterranean stream: an economic analysis. *Journal of Environmental Management* 202:276-286.
IF (2017)=4.005; R=47/241 (Q1) in Environmental Sciences

34. * **Ghermandi, A.** (2018) Integrating social media analysis and revealed preference methods to value the recreation services of ecologically engineered wetlands. *Ecosystem Services* 31: 351-357.
IF (2017)=4.395; R=24/158 (Q1) in Ecology, 35/241 (Q1) in Environmental Sciences, 12/108 (Q1) in Environmental Studies
35. * Hynes, S., **A. Ghermandi**, D. Norton, H. Williams (2018) Marine recreational ecosystem service value estimation: a meta-analysis with cultural considerations. *Ecosystem Services* 31: 410-419.
IF (2017)=4.395; R=24/158 (Q1) in Ecology, 35/241 (Q1) in Environmental Sciences, 12/108 (Q1) in Environmental Studies
36. * Portnov, B., T. Trop, S. Ofek, A. Svechkina, S. Akron, **A. Ghermandi** (2018) Factors affecting homebuyers' willingness to pay green building price premium: Evidence from a nationwide survey in Israel. *Building and Environment* 137:280-291.
IF (2017)=4.539; R=4/62 (Q1) in Construction & Building Technology, 10/50 (Q1) in Engineering, Environmental, 2/128 (Q1) in Engineering, Civil
37. * **Ghermandi, A.**, J. Agard, P.A.L.D. Nunes (2018) Applying Geographic Information Systems to ecosystem services valuation and mapping in Trinidad and Tobago. *Letters in Spatial and Resource Sciences*, pp 1-18, <https://doi.org/10.1007/s12076-018-0210-9>.
SJR (2017)=0.202; R=434/613 (Q3) in Economics and Econometrics, 59/94 (Q3) in Demography, 432/699 (Q3) in Geography, Planning and Development, 81/173 (Q3) in Urban Studies
38. * Sinclair, M.#, **A. Ghermandi**, Sheela A.M. (2018) A crowdsourced travel cost model of the recreational benefits of the Vembanad wetlands in India. *Science of the Total Environment* 642: 356-365.
IF (2017)=4.610; R=27/242 (Q1) in Environmental Sciences
39. * Sinclair, M.#, **A. Ghermandi**, Sheela A.M., Sabu J. (2019) Recreation and environmental quality of tropical wetlands: a social media based spatial analysis. *Tourism Management* 71: 179-186.
IF (2017)=5.921; R=4/108 (Q1) in Environmental Studies, 1/50 in Hospitality, Leisure, Sport & Tourism (Q1), 8/209 in Management (Q1)
40. * **Ghermandi, A.**, D. Obura, C. Knudsen, P.A.L.D. Nunes (2019) Valuing and mapping the services of coastal and marine ecosystems in the Northern Mozambique Channel: a geospatial and social analysis for policy support. *Ecosystem Services* 35: 1-12.
IF (2017)=4.395; R=24/158 (Q1) in Ecology, 35/241 (Q1) in Environmental Sciences, 12/108 (Q1) in Environmental Studies
41. * Savith, S., **A. Ghermandi**, Sheela A.M., J. Justus, P. Vineetha (2018) Climate change vulnerability effects based on environmental and socio-economic factors in a tropical region. *Environmental Monitoring and Assessment* 190: 727, 17 pp.
IF (2017)=1.804; R=136/242 (Q3) in Environmental Sciences

42. * **A. Ghermandi**, M. Sinclair[#] (2019) Passive crowdsourcing of social media in environmental research: a systematic map. *Global Environmental Change* 55: 36-47.
IF (2017)=6.371; R=14/242 (Q1) in Environmental Sciences
43. * Zelingher, R., **A. Ghermandi**, E. De Cian, M. Mistry, I. Kan (2019) Economic impacts of climate change on vegetative agriculture markets in Israel. *Environmental and Resource Economics*, pp. 1–18, <https://doi.org/10.1007/s10640-019-00340-z>.
IF (2017)=1.961; R=84/353 (Q1) in Economics, 55/109 (Q3) in Environmental Studies

E. Articles or Chapters in Scientific Books (which are not Conference Proceedings)

1. 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.
2. **Ghermandi, A.**, P.A.L.D. Nunes, R. Portela, N. Rao, 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, pp. 217–37.
3. Shuang, L., R. Portela, **A. Ghermandi**, N. Rao, 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, pp. 55–77.
4. **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.
5. * Loureiro, M.L., **A. Ghermandi**, B. Galil, J. Gowdy, P.A.L.D. Nunes (2017) Jellyfish outbreaks and recreation in the Mediterranean Sea: welfare impacts and impacted recreationist types in Tel Aviv and Barcelona coastlines. In Nunes, P.A.L.D., L.E. Svensson, and A. Markandya (eds.) *Handbook on the Economics and Management for Sustainable Oceans*, Edward Elgar: Cheltenham, UK, pp. 263–277.
6. * Obura, D.O., V. Burgener, H.O. Ralison, P. Scheren, P.A.L.D. Nunes, M. Samoilys, **A. Ghermandi**, D. Waruinge, J. Tanzer (2017) The Northern Mozambique Channel: a capitals approach to a Blue Economy future. In Nunes, P.A.L.D., L.E. Svensson, and A. Markandya (eds.) *Handbook on the Economics and Management for Sustainable Oceans*, Edward Elgar: Cheltenham, UK, pp. 44–71.

7. * Cohen-Shacham E., Dayan T., **Ghermandi A.**, Hershkovitz Y., Akron A.[#] (2018) Cultural ecosystem services in the Lake Kinneret watershed, Israel (Chapter 10). In: *Ecosystem Services in Wetlands* (Spanish). Eds: Díaz Carrión IA, Sedas Larios EEJ, Burgillo Cuesta M. Cd. de México, México: GM-Espejo Imagen S.A. de C.V.-SEDEMA. pp. 291-339. ISBN: 978-607-7844-92-1.

F. Articles in Conference Proceedings

1. **Ghermandi, A.**, D. Bixio, C. Thoeye, G. De Gueldre. Technical- economical evaluation of the operation of oxidation ditches. 4th IWA International Congress, Marrakech, Morocco, 19–24 Sep 2004, 8 pp. (publication D1).
2. Agostini, P., E. Semenzin, A. Critto, C. Micheletti, P. Nunes, **A. Ghermandi**, S. Gottardo, S. Giove, D. De Zwart, W. Brack, A. Marcomini. Decision support system for the assessment and evaluation of ecological impacts on aquatic ecosystems: Objectives and framework. 3rd IEMSS Biennial Meeting on Environmental Modelling and Software, Burlington, VT, USA, 9–13 Jul 2006, 6 pp.
3. **Ghermandi, A.**, D. Bixio, P. Traverso, I. Cersosimo, C. Thoeye. The removal of pathogens in constructed wetlands and its implications for water reuse. 10th IWA International Conference on Wetland Systems for Water Pollution Control, Lisbon, Portugal, 23–29 Sep 2006, 8 pp. (publication D3).
4. Traverso, P., L. Astolfi, E. Bernardini, **A. Ghermandi**. On some phenomena of nitrate removal in subsurface-flow constructed wetlands. 1st Mediterranean Congress of Chemical Engineering for the Environment, Venice, Italy, 4–6 Oct 2006, 2 pp.
5. **Ghermandi, A.**, P. Traverso, L. Astolfi, E. Bernardini. 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 Oct 2006, 6 pp.
6. **Ghermandi, A.**, P.A.L.D. Nunes, H.L.F. de Groot, J.C.J.M. van den Bergh. On the development of a meta-analytical framework for the economic valuation of constructed wetlands. 6th IWA International Conference on Wastewater Reclamation and Reuse for Sustainability, Antwerp, Belgium, 9–12 Oct 2007, 8 pp.
7. **Ghermandi, A.**, D. Bixio. Modelling pathogen removal for the design of surface-flow constructed wetlands. 6th IWA International Conference on Wastewater Reclamation and Reuse for Sustainability, Antwerp, Belgium, 9–12 Oct 2007, 8 pp.
8. Traverso, P., D. Zanchettin, **A. Ghermandi**, F. Buseti, S. Badoer. Seasonal variability of SVI in the secondary sedimenter of an Italian WWTP. 8th International Conference on Chemical and Process Engineering, Ischia Island, Italy, 24–27 Jun 2007, 6 pp. (publication D2).
9. Brander, L., **A. Ghermandi**, O. Kuik, A. Markandya, P. Nunes, M. Schaafsma, A. Wagtendonk. The value of wetland ecosystem services in Europe: An application of GIS and meta-analysis for value transfer. 10th Biennial Conference of the International Society for Ecological Economics, Nairobi, Kenya, 7–11 Aug 2008, 6 pp.

10. **Ghermandi, A.**, P.A.L.D. Nunes. 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, Italy 29 Jun–2 Jul 2011, 38 pp. (Word version) (publication D15).
11. **Ghermandi, A.**, R. Messalem, R. Offenbach, S. Cohen. An engineered oasis for solar desalination and arid land agriculture. EDS Conference on Desalination for the Environment, Clean Water and Energy, Barcelona, Spain, 23–26 Apr 2012, 12 pp.
12. **Ghermandi, A.**, P.A.L.D. Nunes. The values of coastal recreation in Europe's seas and the impact of climate change. ISEE Conference on Ecological Economics and Rio+20: Challenges and Contributions for a Green Economy, Rio de Janeiro, Brazil, 16–19 Jun 2012, 2 pp.
13. Camacho-Valdez, V., A. Ruiz Luna, **A. Ghermandi**, P.A.L.D. Nunes. Integration of economic valuation and spatial analysis as a tool to preserve coastal wetlands in Southern Sinaloa, Mexico. ISEE Conference on Ecological Economics and Rio+20: Challenges and Contributions for a Green Economy, Rio de Janeiro, Brazil, 16–19 Jun 2012.
14. Cossarini, G., D. Melaku Canu, **A. Ghermandi**, P.A. Nunes, C. Solidoro, P. Lazzari. Carbonate system and acidification in the Mediterranean Sea: variability, impacts of physical and biological processes and valuation of carbon sequestration. 40th CIESM Congress, Marseille, France, 28–30 Oct 2013, 1p.
15. **Ghermandi, A.**, E. Fichtman[#]. Cultural ecosystem services of multi-functional natural treatment systems: time to enter the mainstream? 6th IWA International Symposium on Wetland Pollutant Dynamics and Control, York, UK, 13–18 Sep 2015, 2 pp. (publication D15).
16. * **Ghermandi, A.**, S. Naoum, F. Alawneh, R. Offenbach, E. Tripler, J. Safi, M. Safi, R. Messalem. Solar-powered desalination of brackish water with nanofiltration membranes for intensive agricultural use in Jordan, the Palestinian Authority and Israel. 3rd International Congress on Water, Waste and Energy Management, Rome, 18-20 July 2016, 4 pp. (publication D32).
17. * **Ghermandi, A.**, T. Minich[#]. Analysis of farmers' attitude toward irrigation with desalinated brackish water in Israel's Arava Valley. 3rd International Congress on Water, Waste and Energy Management, Rome, 18-20 July 2016, 4 pp. (publication D31).
18. * **Ghermandi, A.** 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, 18-20 July 2016, 2 pp.
19. * Rubenstein, S.[#], **A. Ghermandi**, M. Shechter. GHG emissions reductions in Israel: ramifications for employment. 4th Annual Conference on Transforming Development through Inclusive Green Growth, Jeju Island, Republic of Korea, 6-7 September 2016.
20. * **Ghermandi, A.** Valuing cultural ecosystem services of natural treatment systems using crowdsourced data (Abstract). Proc. of International Conference on Environmental and Ecological Engineering, Venice, Italy, 14-15 August 2017.

G. Other Scientific Publications

Magazine Articles:

1. **Ghermandi, A.**, D. Bixio, P. Traverso (2007) Constructed wetlands: The ugly duckling of water recycling? *Water21*, August 2007, pp. 49–51.
2. * Boero, F., F. Foglini, S. Frascchetti, P. Goriup, E. MacPherson, S. Planes, T. Soukissian, The CoCoNet Consortium (2016) CoCoNet: Towards coast to coast networks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential. *Scientific Research and Information Technology* 6, pp. 1-95.

Working Papers:

- 3a. **Ghermandi, A.**, J.C.J.M. van den Bergh, L.M. Brander, H.L.F. de Groot, P.A.L.D. Nunes (2009) The values of natural and constructed wetlands: A meta-analysis. Tinbergen Institute Discussion Paper TI 2009-080/3, 22 pp.
- 3b. **Ghermandi, A.**, J.C.J.M. van den Bergh, L.M. Brander, H.L.F. de Groot, P.A.L.D. Nunes (2008) The economic value of wetland conservation and creation: A meta-analysis. FEEM Working Paper Series, 79.2008, 20 pp. (see also D.9).
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