

RESUME

1. PERSONAL DETAILS

Full Name: Michelle Eva Portman

Identity No: 011923315

Phone numbers: +972-4-8293955; +972-52-7311994

E-mail: mep@technion.ac.il

Web site: <http://portman.net.technion.ac.il/>

ORCID ID: <https://orcid.org/0000-0002-0010-186X>

Areas of expertise: marine and coastal planning and management, marine conservation, project-based learning for environmental planning, water sensitive planning in coastal watersheds, nature-based solutions for coastal protection.

2. ACADEMIC DEGREES

2007 Ph.D., Public Policy (Environmental Policy track)
University of Massachusetts
Committee Chair: Professor David Terkla, Department of Economics

1991 M.Sc., Urban and Regional Planning
Technion - Israel Institute of Technology, Israel

1984 B.Sc., Political Economy of Natural Resources
College of Natural Resources
University of California at Berkeley

3. ACADEMIC APPOINTMENTS

2018- Assoc. Professor, Faculty of Architecture and Town Planning, Technion– Israel Institute of Technology, Haifa, Israel.

2012-18 Asst. Professor, Faculty of Architecture and Town Planning, Technion

2009-11 Postdoctoral Researcher, Department of Geography, Faculty of Social Sciences, Hebrew University of Jerusalem, Israel.

2007-09 Postdoctoral Researcher, Marine Policy Center, Woods Hole Oceanographic Institution, Falmouth, Massachusetts.

4. PROFESSIONAL EXPERIENCE (outside academia)

2000-08 Senior Regional Planner, Waterways Regulation Program, Bureau of Resource Protection, Massachusetts Department of Environmental Protection, Boston, Massachusetts

- 1998-00 Regional Planner IV, Waste Planning Division, Bureau of Waste Prevention, Massachusetts Department of Environmental Protection, Boston, Massachusetts
- 1995-98 Senior Planner, Boston Redevelopment Authority, City of Boston, Massachusetts
- 1994-95 Planning Staff Head, Central District Planning Commission, Israel Ministry of the Interior, Ramle, Israel
- 1991-94 Planner, Conservation Department, Society for the Protection of Nature in Israel, Tel Aviv, Israel
- 1989-91 Planner, Planning Authority, Israel Ministry of the Interior, Jerusalem, Israel

5. RESEARCH INTERESTS (*briefly*)

environmental planning; marine policy; coastal management; coastal marine and marine conservation; watershed management

6. TEACHING EXPERIENCE (last 5 years)

Communicating about Space as Place (graduate, new course, only teacher)
Technion Israel Institute of Technology

Ulpan (Studio) 4: Metropolitan – Strategic Planning (co-taught)
Technion Israel Institute of Technology

Environmental Planning: Water in the City (graduate, new course; only teacher)
Technion Israel Institute of Technology

Green Roofs and Walls for Sustainable Cities (graduate, new course; only teacher)
Technion Israel Institute of Technology

Water Sensitive Urban Planning (graduate, new course; only teacher)
Technion, Israel Institute of Technology

Introduction to Environmental Planning (graduate; only teacher)
Technion, Israel Institute of Technology

GIS for Planners (graduate; main teacher)
Technion, Israel Institute of Technology

GIS Applications for Environmental Decision-making (graduate; main teacher)
Technion, Israel Institute of Technology

Coastal and Marine Planning and Management (graduate; main teacher)
Technion, Israel Institute of Technology

7. TECHNION ACTIVITIES

2021-present Technion Committee of Academic Development

2014-2019 Social & Behavioral Sciences Institutional Review Board
 2013 to present Representative to the Inter-Faculty Program on Marine Engineering

8. DEPARTMENTAL ACTIVITIES

2024- Chair of the Planning Program, Faculty of Architecture and Town Planning
 2019-20 Vice Dean of Student Affairs
 2017- Faculty library committee
 2016-18 Faculty events committee
 2016-17 International exchange program committee
 2012- Member of Center for Urban and Regional Studies

9. PUBLIC PROFESSIONAL ACTIVITIES

Rhodes Ocean Scholar

2014 Rhodes Academy for Oceans Policy, Rhodes, Greece (summer appointment)

Editorial

2022-23 Associate Editor, Heliyon (A Cell Press journal)
 1999-01 Member of Editorial Board, International Journal of Waste Management and Technology

Occasional Reviewer for Journals

2008 Journal of Environmental Management
 2009 Coastal Management Journal
 2009 Stanford Journal of Law, Science and Policy
 2009 Energy Policy
 2010 Journal of Integrated Coastal Zone Management
 2010 Journal of Environmental Assessment Policy and Management
 2011 Journal of Environmental Policy and Planning
 2011 Conservation Biology
 2012 Ecology and the Natural Environment
 2013 International Journal of Marine Sciences
 2013 Environmental Education Research
 2013 Marine Ecology Progress Series
 2014 PLOS ONE
 2015 Marine Policy
 2016 Marine Policy
 2017 PLOS ONE
 2017 Journal of Environmental Policy and Planning
 2018 Ocean and Coastal Management
 2018 Marine Policy
 2018 Marine Pollution Bulletin
 2018 Frontiers in Marine Science
 2019 Marine Policy
 2021 Planning Practice and Research

2022	Routledge Book Proposal
2022	Ocean and Coastal Management
2022	Progress in Planning
2022	Ecosystem Services
2022	Marine Policy
2022	Springer Book Chapter (Blue Flag)
2023	Human Ecology
2023	Ocean and Coastal Management
2023	Marine Policy
2023	Resource Conservation and Recycling
2024	Land Use Policy
2024	Marine Policy
2024	Case Studies in the Environment

Other Professional Service

2025	Wohl Clean Growth Alliance Grant Proposal Review
2024	Israel Science Foundation Proposal Review
2023	Israel Science Foundation Proposal Review
2023	Reviewer, FRIAS Senior Fellowship Programme, Freiburg Institute for Advanced Studies Albert-Ludwigs-Universitat Freiburg
2021-24	Member of Board of Directors, Mei-Carmel – Haifa Water Authority
2019-present	Member, University of Kiel Marine Science Advisory Board, Christian Albrecht University
2019	Five-year review of MaREI – a Science Foundation of Ireland Research Centre for Energy, Climate and Marine research at University College Cork
2016	BONUS, Baltic Sea research proposal review for years 2017
2016	Science of Marine Protected Area, Mediterranean Group, Science Advisory Committee; Associated with Oregon State University, Corvallis, USA 2019

10. MEMBERSHIP IN PROFESSIONAL SOCIETIES

Member, Israel Association for Environmental Planning
 Member, Israel Society of Ecology and Environmental Sciences
 Member, The Israeli Association for Aquatic Sciences
 Member, American Shore and Beach Preservation Association
 Member, The Coastal Society (USA)

11. FELLOWSHIPS, AWARDS AND HONORS

2015	Quebec Labrador Foundation Middle East Program, Lab-Start Award
2010-15	Marie Curie Fellow, European Union, Framework Program 7
2011	Golda Meir Award for Postdoctoral Studies, Hebrew University, Israel
2010	Lady Davis Fellowship, Hebrew University of Jerusalem, Israel
2008	Environmental Policy McCloy Fellow, American Council on Germany
2007-09	Marine Policy Center Fellow, Woods Hole Oceanographic Institution
2007	The Award for Excellence in Public Policy, UMass, Boston
2002	Lenz Memorial Award for Graduate Student Research, UMass, Boston
1984	UC Berkeley Senior Graduate Foreign Research Award
1979	University of California, Riverside Presidents' Merit Award

12. GRADUATE STUDENTS

Completed PhD theses

- 2017 Ram Barankin, "Indicators and Information for Integrated Decisions on Climate Change: Quantitative Methodology for Understanding the Vulnerability of Coastal Communities". Dissertation committee with Professors Bob Bowen and Paul Kirshen, Graduated University of Massachusetts, Current employment: Playstation, California, USA
- 2018 Ateret Shabtay, "Marine conservation and infrastructure planning: Is multi-use possible?" Principle Advisor M. Portman, Secondary Advisor Prof. Y. Carmel. Current employment: Society for the Protection of Nature in Israel.
- 2023 Inbar Shwartz "Utilizing Technological Advancements for Marine Spatial Planning". Advisor M. Portman, Current employment: Science Outreach Director, Steinhardt Museum of Natural History, Tel Aviv, Israel.
- 2025 Meirav Tal-Maon, "Watershed Management: developing decision support systems for optimate placement of nature-based solutions". Primary Advisor Dr. D. Broitman with Secondary Advisor M. Portman. Current employment: Shmuel Neaman Institute Public Policy, Technion. Awarded Best Dissertation, Faculty of Architecture & Town Planning, May 2025

Completed MSc theses

*[Note: Thesis students at the Porter School for the Environment at Tel Aviv University must reach out to external advisors as required by their program; I served a number of times as "external" advisor to those students, marked with an *]*

- 2016 Sharon Hanan-Salkinder, "The integration of small-scale archaeological sites in the modern urban fabric", Primary Advisor M. Portman, Secondary Advisory Assoc. Prof. P. Plaut. Current employment: private planning firm.
- 2017 Emri Brickner, "Population Evacuation in Areas Exposed to Tsunami Flooding: Bat Galim as a case study" Primary Advisor M. Portman, Secondary Advisor Prof. P. Plaut. Current employment: City of Beer Sheva.
- 2017 Aviva Yasner, "Net Zero Energy Strategic Planning Principles: Israeli Air Force 2025" Primary Advisor M. Portman, Secondary Advisor Prof. G. Capeluto. Current employment: private planning firm.
- 2018 Nadav Shapira, "Evaluation Tool for Urban Stormwater Management Urban Landscape Projects: The Rishon Lezion Lakes Project as a Case Study", Primary Advisor Assoc. Prof. T. Alon-Moses, Secondary Advisor M. Portman. Current employment: private planning firm.
- 2018 Eshkar Eliahou-Handler,* "The Brownfields: What impact does industrial contamination of land have on the urban environment in Tel Aviv?" Advisor M. Portman with Co-advisor Yuval Portugali. Current employment: private planning firm.

- 2021 Asaf Zanzuri,* “Applying Principles of the Public Trust Doctrine and the Commons for Planning Marine Protected Areas”, Advisor M. Portman with Co-advisors: Prof. Itzhak Schnell and Dr. Daniel Mishori. Current employment: Society for the Protection of Nature in Israel.
- 2021 Sapir Goldwasser,* "Utilization of sand resources in during building crisis years in Israel", Advisor M. Portman with Co-Advisor: Prof. Alon Tal. Current employment: Intel
- 2022 Orly Babitsky,* “Climate change along the Mediterranean coast of Israel: assessment of trends in sea level rise and extreme climate events, and their implications using a coastal vulnerability index”. Advisor M. Portman with Co-Advisor: Prof. Colin Price. Current employment: Israel Union of Environmental Defense and Consultant to Israel Coastal Cities Forum
- 2023 Gabrielle Gordon “Multicriteria Decision Analysis for Port Sustainability” Current employment: Coastal and Marine Engineering Research Institute (CAMERI)
- 2024 Ortal Sankar,* “Court and Committee for the Protection of the Coastal Environment considerations in the interpretation of Coastal Environment Conservation Law.” Advisor M. Portman with Co-Advisor Dr. David Schorr Current employment: Israel Union of Environmental Defense
- 2024 Noa Lachyani “Best Management Practices for Marine Protected Areas in Israel”. Continued directly to PhD studies (see below).

PhD theses in progress

- 2018 Olga Vdov "What is Natural? Shifting Baselines in Environmental Impact Assessment", Advisor M. Portman. Expected graduation: 2025
- 2020 Alexandra Cúlibrk, “Ecosystem services analysis of touristic and protected area beaches under climate change”. Primary Advisor Dr. O. Tzorakis (Department of Marine Sciences, School of Environment, University of the Aegean, Greece) Secondary Advisor M. Portman. Expected graduation: 2025
- 2020 Ya’ara Grossmark, “Incorporating Human-Marine Wildlife interaction in Ecosystem-based Marine Spatial Planning”. Advisor M. Portman. Expected graduation: 2025
- 2024 Daniella Vatine, “Evaluating Policy Plans for the Gulf of Eilat’s Maritime and Coastal Space”, Advisor M. Portman, Expected graduation: 2028
- 2024 Oluwatoba Oyerinade, “Public Engagement in Marine Spatial Planning: Insights and Challenges from Africa”, Advisor M. Portman, Expected graduation: 2027
- 2024 Noa Lachyani, “Best management practices for marine (ecological) conservation and cultural heritage sites in multi-use nearshore marine space”. Advisor M. Portman, Expected graduation: 2028

MSc theses in progress

- 2020 Alon Gonen “Green roof potential for remediating surface runoff: Hadera case study”, Primary Advisory M. Portman with Secondary Advisor Assoc. Professor Dan Malkinson, Expected graduation: 2025
- 2023 Ligil Breton “Nature-Based Solutions to Address Coastal Cliff Erosion In Israel: Case Study Insights”, Expected graduation: 2026

- 2025 Lareen Aboud “Factors that contribute to making rooftop gardens attractive, accessible, and socially engaging spaces in high-density urban areas in Israel”, Expected graduation: 2027

13. SPONSORED LONG-TERM VISITORS AND POST-DOCTORAL ASSOCIATES

- 2025-6 Assoc. Professor Daniella Hirshfeld, Landscape Architecture Department, Utah State University, Lady Davis Visiting Professor
- 2024 Dr. Ting Ma, (PhD in Ethnoecology, Minzu University of Beijing, China)
- 2023 Jordana Portman, International MSc student
- 2017 Dr. Benny Furst (PhD in Geography, Hebrew University of Jerusalem, Israel)
- 2016-7 Dr. Shula Goulden (PhD in Environmental Governance, Ben Gurion University of the Negev, Israel)
- 2016 Dr. Ruth Brennan (PhD in Marine Social Science, University of Aberdeen)
- 2013-6 Dr. Yael Teff-Seker (PhD in Conflict Resolution Studies, Hebrew University of Jerusalem, Israel)

14. RESEARCH GRANTS

Competitive

- 2023-7 “Planning for the Sea Change: Enlisting planning theory to benefit sustainable ocean use” **Israel Science Foundation**, NIS736,000
- 2010-5 “Design and Management of Marine Reserve Networks (DEMARN)”. **Marie Curie Program - FP7**. €100,000

Industrial and other sources

- 2025-6 “Blue-green sustainability on the Technion campus: The potential for stormwater runoff & energy solutions from green infrastructure”, Co PIs with Prof. Sabrina Spatari and Assoc. Prof. Avraham Yezioro, Technion Sustainability Frontier NIS100,000
- 2025-8 “Smart banking of water of various qualities in aquifers: Apt technology for arid regions” with co-PI Prof. Alex Furman and Prof. Elias Salamah, **Middle Eastern Regional Cooperation (MERC) Program, USA State Department**, \$237,000
- 2024-5 “*Wipe it out!* - Reducing environmental effects and wastewater conveyance and treatment cost through behavioural change”, Co PI with Prof. Eran Friedler, **Technion Sustainability Frontier** NIS100,000
- 2024 “Survey of co-management models for marine protected areas and their suitability for Israel”, Co PI with Dr. Shiri Semach-Shamir, **EcoOcean** NIS75,000
- 2022-3 “Catchment to Coast & Beyond: Research for sustainable waterways development” Co-PI with Prof. Michel Kaiser and Dr. Karen Alexander of Heriot Watt University, Scotland, UK, **The British Council’s Wohl Clean Growth Alliance** \$25,000

- 2020-2 “Identification of optimal solutions for integrated runoff management in watersheds with diverse land uses and multiple stakeholders” Co-PI with Prof. Ofira Ayalon and Dr. Dani Broitman, **Israel Ministry of Agriculture** NIS345,000
- 2020-1 “Sustainable Governance and Management of Israel’s and the UK’s Coasts and Seas”, Co-PI with Dr. Stephen Jay, **The British Council’s UK-Israel Inter-University Strategic Cooperation Program**, £6,000
- 2018-20 “Closing the urban water loop for increased sustainability (CLUWAL), Co-PI with Prof. Eran Friedler and Dr. Manfred Schuetze, **German BMBF-Israel Ministry of Science and Technology**, €132,000
- 2017-9 “On-going participation of bathing beach users in marine litter prevention” **Yad HaNadiv** NIS122,000
- 2016-9 “Coastal infrastructure planning for the promotion of marine conservation along the Israeli Mediterranean Sea”.. **Israel Ministry of Infrastructure, Energy and Water**, NIS180,000
- 2015-9 “Water-Sensitive Urban Design: Best Practices and Beyond”. Co-PI with Prof. Tali Alon-Moses and Prof. Naomi Carmon **Jewish National Fund** \$100,000
- 2014-7 “Marine Spatial Policy Plan for the Exclusive Economic Zone (EEZ)”. Co-PI with Prof. Shamay Assif **Yad Ha Nadiv Foundation** \$1.2 million
- 2013-5 “Ecosystem services (ES) assessment from the mountain to the sea: A multi- disciplinary method for defining ecosystem service indicators across landscape units”. Co-PI with Dr. Daniel Orenstein. **Israel Ministry of the Environment**, NIS150,000
- 2008-9 “The Connection between Fisheries Resources and Spatial Land Use Change”. Co-PI with Senior Scientist Dr. Di Jin. **Cooperative Institute on Climate and Ocean Research at Woods Hole Oceanographic Institution and the National Oceanic and Atmospheric Administration** \$120,000

Pending

“Interdisciplinary Assessment of the Choice & Effectiveness of Nature-based Climate Adaptation Solutions across Israel and US Atlantic Coasts”, Submitted April 2, 2025 to **BSF Cross Disciplinary Research Towards Climate Solutions**, Co-PI with Prof. Sid Narrayan, Prof. Rachel Gittman and Assoc. Professor Daniella Hirshfeld, \$599,840

15. PUBLICATIONS

15.1 Theses

- 1991 Master’s Thesis: *Scenic Resource Evaluation in Environmental Impact Statements*, Technion – Israel Institute of Technology, Advisor: Prof. Ruth Enis
- 2007 Dissertation: *From Land to Sea: the application of land protection tools to the marine environment*

15.2 Refereed papers in professional journals

(students' names in italics; where my students is the first author and I am second author, I am the leading senior author of the paper]

Published Papers

1. **Portman, M.E.** “Tidelands Management: Implementation of the Massachusetts Public Waterfront Act”, Journal of Environmental Policy and Planning, Vol. 8(4): 293-308, 2006.
2. **Portman, M. E.** “Zoning Design for Cross-border Marine Protected Areas: The Red Sea Marine Peace Park Case Study”, Ocean and Coastal Management Journal, Vol. 50(7):499-522, 2007.
3. **Portman, M. E.** “Coastal Protected Area Management and Multi-tiered Governance: The Cape Cod Model”, Journal of Coastal Conservation, Vol. 11(2): 121-131, 2007.
4. **Portman, M.E.,** Duff, J. A., Köppel, J., Reisert J., and Higgins, M. E. “Offshore Wind Energy Development in the Exclusive Economic Zone: Legal and Policy Supports and Impediments in Germany and the U.S.” Energy Policy, Vol. 37(9): 3596-3607, 2009.
5. **Portman, M. E.,** Jin, D., Thunberg, E. “Waterfront Land Use Change and Marine Resource Conditions: The Case of New Bedford/Fairhaven Harbor”, Ecological Economics, Vol. 68 (8-9): 2354-2362, 2009.
6. **Portman, M. E.** “From Land to Sea: The Role of Land Trusts in Marine Protection”, Society and Natural Resources, Vol. 22(1): 12-26, 2009.
7. **Portman, M. E.** “Involving the Public in Impact Assessment for Offshore Renewable Energy Facilities”, Marine Policy, Vol. 33(2): 332-338, 2009.
8. **Portman, M.E.** “Offshore Renewable Energy – Stakeholder Perceptions and Public Participation in the New Frontier”, Modern Energy Review, Vol. 2(2):114-117, 2010.
9. Sas, E., Fishhendler, I., **Portman, M.E.** “The demarcation of arbitrary boundaries for coastal zone management: The Israeli case”, Journal of Environmental Management, Vol. 91(11): 2358-2369, 2010.
10. **Portman, M. E.** “Marine Renewable Energy Policy: Some U.S. and International Perspectives Compared”, Oceanography, Vol. 23(2):70-77, 2010.
11. **Portman, M. E.** “Marine Spatial Planning: Achieving and Evaluating Integration”, ICES Journal of Marine Science, 68(10): 2191-2200, 2011.
12. **Portman, M. E.,** Jin, D., Thunberg, E. “The Connection between Fisheries Resources and Spatial Land Use Change: The Case of Two New England Fish Ports”, Land Use Policy, 28(3): 523-533, 2011.
13. Giakoumi, S. Mazor, T., Franchetti, S., Kark, S., **Portman, M. E.,** Coll, M., Steenbek, J. Possingham, H. “Advancing marine conservation planning in the Mediterranean Sea”, Reviews in Fish Biology and Fisheries. 22(4): 943-949, 2012.
14. **Portman, M. E.,** Nathan, D., Levin, N. “From the Levant to Gibraltar: A Regional Perspective for Marine Conservation in the Mediterranean Sea”, Ambio — Journal of the Human Environment. 41(7): 670-681, 2012.
15. **Portman, M.E.,** Esteves, L.E., Le, X. Q., Khan, A. Z. “Improving Integration for Integrated Coastal Zone Management: An eight-country study”, Science of the Total Environment. 439: 194-201, 2012.
16. **Portman, M. E.** “Losing Ground: Mediterranean Shoreline Change from an Environmental Justice Perspective”, Coastal Management 40(4): 421–441, 2012.
17. **Portman, M.E.,** Notarbartolo-di-Sciara, G., Agardy, T., Katsanevakis, S., Possingham, H.P., di-Carlo, G. “He Who Hesitates is Lost: Why Conservation of the Mediterranean Sea is Necessary and Possible Now”, Marine Policy 42: 270-279, 2013.
18. **Portman, M. E.** “Ecosystem Services in Practice: Challenges to real world implementation of ecosystem services across multiple landscapes”, Applied Geography 45: 185-192, 2013.
19. **Portman, M.E.** “Regulatory capture by default: Offshore exploratory drilling for oil and gas”, Energy Policy 65: 37-47, 2014.
20. **Portman, M.E.** “Visualization for Planning and Management of Oceans and Coasts”, Ocean and Coastal Management 98: 176-185, 2014.

21. **Portman, M.E.**, Dalton, T.M., Wiggin, J. "Revisiting Integrated Coastal Zone Management: Is It Past Its Prime?", Environment: Science and Policy for Sustainable Development 57(2): 28-37, 2015.
22. **Portman, M.E.**, *Nathan, D.* "Conservation 'Identity' and Marine Protected Areas Management: A Mediterranean case study", Journal of Nature Conservation 24: 109-116, 2015.
23. **Portman, M.E.** "Marine Spatial Planning in the Middle East: Crossing the policy-planning divide". Marine Policy 61: 8-15, 2015.
24. **Portman, M.E.**, Natapov, A., Fisher-Gwitzman, D. "To go where no man has gone before: Virtual Reality in Architecture, Landscape Architecture and Environmental Planning", Computers, Environment and Urban Systems. 54: 376-384, 2015.
25. Kark, S., Levin, N., Klass, K., Shanis, U., Pargament, D., **Portman, M.E.**, Mandelik, Y., Orion, N., Safriel, U. et al. "Priority questions and horizon scanning for conservation: A comparative study", PLOS ONE. 11(1): e0145978, 2016.
26. **Portman, M.E.**, *Shabtay-Yanai, A., Zanzuri, A.* "Incorporation of Socio-Economic Features' Ranking in Multicriteria Analysis Based on Ecosystem Services for Marine Protected Area Planning" PLOS ONE. 11(5): e0154473, 2016.
27. **Portman, M. E.**, *Teff-Seker, Y.* "Community-Level Environmental Projects as Learning Tools for Planners: A case study of graduate planning students". Environmental Education Research. 23(3): 415-435. 2017
28. *Brennan, R.E.*, **Portman, M.E.** "Situating Arab-Israeli artisanal fishermen's perceptions of marine litter in a socio-institutional and socio-cultural context", Marine Pollution Bulletin 115(1-2): 240-251, 2017
29. **Portman, M. E.**, *Brennan R. E.* "Marine Litter from Beach-Based Sources: Case study of an Eastern Mediterranean coastal town" Waste Management 69: 535-544 2017.
30. **Portman, M.E.**, *Teff-Seker, Y.* "Factors of Success and Failure for Transboundary Environmental Cooperation: Projects in the Gulf of Aqaba" Journal of Environmental Policy and Planning 19(6): 810-826, 2017.
31. Stelzenmüller, V., Coll, M., Mazaris, A.D., Giakoumi, S., Katsanevakis, S., **Portman, M.E.**, Degen, R., Mackelworth, P., Gimpel, A., Albano, P.G., Almpanidou, V., Claudet, J., Essl, F., Evangelopoulos, T., Heymans, J.J., Genov, T., Kark, S., Micheli, F., Pennino, M.G., Rilov, G., Rumes, B., Steenbeek, J., Ojaveer, H. "A risk-based approach to cumulative effect assessments for marine management", Science of the Total Environment 612: 1132–1140, 2018.
32. *Shabtay-Yanai, A.*, **Portman, M.E.**, Carmel, Y. "Incorporating principles of reconciliation ecology to achieve ecosystem-based marine spatial planning", Ecological Engineering 120: 595-600, 2018.
33. **Portman, M.E.**, "Policy Options for Coastal Protection: Integrating inland water management with coastal management for greater community resilience" Journal of Water Resources Planning and Management 144(4): e05018005, 2018.
34. *Shabtay-Yanai, A.*, **Portman, M.E.**, Carmel, Y., "Contributions of marine infrastructures to marine planning and protected area networking", Aquatic Conservation: Marine and Freshwater Ecosystems 28(4): 830-839, 2018.
35. *Goulden, S.*, **Portman, M.E.**, Carmon, N., Alon-Moses, T. "From Conventional Drainage to Sustainable Stormwater Management: Beyond the Technical Challenges", Journal of Environmental Management 219: 37-45, 2018.
36. *Shabtay-Yanai, A.*, **Portman, M.E.**, Ofir, E., Carmel, Y., Gal, G. "Using Ecological Modeling in Marine Spatial Planning to Enhance Ecosystem-based Management", Marine Policy, :95 -14 23, 2018.
37. Gissi, E., **Portman, M.E.**, Hornidge, A.K. "Un-Gendering the ocean: Why women matter in ocean governance for sustainability", Marine Policy 94: 215-219, 2018.
38. *Shabtay, A.*, **Portman, M.E.**, Manea, E., & Gissi, E. "Promoting ancillary conservation through marine spatial planning", Science of The Total Environment, 651: 1753-1763, 2019.

39. *Teff-Seker, Y., Portman, M.*, Karen Kaplan Mintz, "Project-Based Learning in Education for Sustainable Development: A Case Study of Graduate Planning Students" Case Studies in the Environment pp. 1–16, 2019.
40. **Portman, M. E.**, Pasternak, G., Yotam, Y., Nussbaum, R., Behar, D. "Beachgoer Participation in Prevention of Marine Litter: Using design for behavior change", Marine Pollution Bulletin 144: 1-10, 2019.
41. **Portman, M. E.**, "Detached Islands: Artificial Islands as Adaptation Challenges in the Making" Die Erde – Journal of the Geographical Society of Berlin 150 (3): 158-168, 2019
42. Mackelworth, P.C., Teff-Seker, Y., Fernandez, T. V., Marques, M., Alves, F. L., D'Anna. G., Fa, D.A., Goldsborough, D., Holcer, D., Kyriazi, Z., Pita, C., **Portman, M.E.**, Rumes, B., Warr, S.J. "Geopolitics and Marine Conservation: Synergies and Conflicts" Frontiers in Marine Science 6 (759): 1-17. 2019.
43. Rotter, A, Bacu, A., Barbier, M., Bertoni, F., Bones, A.M., Cancela, M.L., Carlsson. J., Carvalho, M.F., Cegłowska, M., Dalay, M.C., Thanos Dailianis, T., Deniz, I., Drakulovic, D., Dubnika, Einarsson, H., Erdoğan, A., Eroldoğan, O.T., Fazi, S., FitzGerald, R.J., Gargan, L.M., Gaudêncio, S.P., DeNardis, N.I., Joksimovic, D., Marija Katarżyte, M., Kotta, J., Mandalakis, M., Matijošytė, I., Mazur-Marzec, H., Massa-Gallucci, A., Mehiri, M., Nielsen, S. L., Novoveská, L., Donata Overlingė, D., **Portman, M.E.**, Pyrc, K., Rebours, C., Reinsch, T., Fernando Reyes, Rinkevich, B., Robbins, J., Rudovica, V., Sabotič, J., Safarik, I., Talve, S., Tasdemir, D., Theodotou, X., Schneider, X., Thomas, O.P., Toruńska-Sitarz, A., Varese, G.C., Vasquez, M.I., "A new network for the advancement of marine biotechnology in Europe and beyond", Frontiers in Marine Science 7(278), 2020.
44. **Portman, M. E.**, Behar, D. "Influencing beach littering behaviors through infrastructure design: An in situ experimentation case study", Marine Pollution Bulletin 156: 11277, 2020.
45. **Portman, M.E.**, *Zhulpa-Comporesi, A.* "Attitudes and behaviors of marine sports participants towards conservation and environmental protection: A case study of Tel Aviv, Israel", Marine Policy 122: 104133, 2020.
46. *Barankin, R.*, **Portman, M.E.**, Kirshen, P., Bowen, R. "Evidence-driven assessment of climate vulnerability and equality: advancement is possible" Frontiers in Water 2(73): 544141, 2020.
47. Giakoumi, S., Pita, C., Coll, M., Franschetti, S., Gissi, E., Katara, I., Lloret-Lloret, E., Rossi, F., **Portman, M.E.**, Stelzenmüller, V., Micheli, F. "Persistent gender bias in marine science and conservation calls for action to achieve equity" Biological Conservation 257: 109134, 2021.
48. *Ćulibrk, A.*, Tzoraki, O., **Portman, M. E.** "Adaptation of a freshwater evaluation framework to a coastal system: The case of Kamari, Santorini". Journal of Environmental Management 288, 112406, 2021.
49. *Tourlioti, P.* **Portman, M. E.**, Tzoraki, O., Pantelakis, I. "Interacting with the coast: residents' knowledge and perceptions about coastal erosion (Mytilene, Lesvos Island, Greece)". Ocean and Coastal Management, 210: 105705, 2021.
50. Gissi, E., Maes, F., Kyriazi, Z. Ruiz-Frau, A., Frazão Santos, C.; Neumann, B., Quintela, A., Alves, F., Borg, S., Chen, W., da Luz Fernandes, M., Hadjimichael, M., Manea, E., M. Marques, M., Platjouw, F. M., **Portman, M.E.**, Sousa, L. P., Bolognini, L., Flannery, W., Grati, F., Pita, C., Văidianu, N., Stojanov, R., van Tatenhove, J., Micheli, F., Anna-Katharina Hornidge, A-K., Unger, S., "Contributions of area-based management tools to assess their contribution to the UN Sustainable Development Goals" The Journal of Cleaner Production, 330, 129910, 2022.
51. Gissi, E., Maes, F., Kyriazi, Z. Ruiz-Frau, A., Frazão Santos, C.; Neumann, B., Quintela, A., Alves, F., Borg, S., Chen, W., da Luz Fernandes, M., Hadjimichael, M., Manea, E., M. Marques, M., Platjouw, F. M., **Portman, M.E.**, Sousa, L. P., Bolognini, L., Flannery, W., Grati, F., Pita, C., Văidianu, N., Stojanov, R., van Tatenhove, J., Micheli, F., Anna-

- Katharina Hornidge, A-K., Unger, S., “Data about marine area-based management tools to assess their contribution to the UN sustainable development goals” Data in Brief, 40: 107704, 2022.
52. Rivers, N., Truter, H., Strand, M., Stephen, J., **Portman, M.**, Lombard, A., Amir, D., Brown, R., Cawthra, H., Faure Beaulie, N., Findlay, K., Gal, G., *Grossmark, Y.*, Perschke, M., Pillay, T., Ramakulukusha, M., Smit, K., Stockdale, V., Stockill, J., *Schwartz. I.*, Treibitz, T., Vargas-Fonseca, A.O., Vermeulen, E. “Shared visions for marine planning: Insights from Israel, South Africa and the United Kingdom.” Coastal and Ocean Management 220, 106069, 2022.
 53. **Portman, M.E.**, *Vdov, O.*, Schuetze, M., Gilboa, Y., Friedler, E. “Public Perceptions and perspectives on alternative sources of water for reuse generated at the household level” Journal of Water Reuse, 12(1): 157-174, 2022.
 54. *Schwartz-Belkin, I.*, **Portman, M.E.** “A Review of Geospatial Technologies for Improving Marine Spatial Planning: Challenges and Opportunities” Ocean & Coastal Management, 231: 106280, 2023.
 55. Hirschfeld, D., Behar, D., Nicholls, R., Cahill, N., Bell, R., Campo, M., Esteban, M., Goble, B., Horton, B., James, T., **Portman, M. E.**, Rahman, M., Addo, K. A., Chundeli, F., Aunger, M., *Babitsky, O.*, Beal, A., Boyle, R., Fang, J., Gohar, A., Hanson, S., Karamesines, S., Kim, M.J., Lohmann, H. Kathy McInnes, K., Mimura N., Ramsay, D., Wenger, L., Yokoki, H. “Global survey shows planners use widely varying sea-level rise projections for coastal adaptation” Nature Communications Earth & Environment, 4:102 2023.
 56. Zemah-Shamir, S., Zemah-Shamir, Z., Peled, Y., Ringnander, O. J., *Schwartz Belkin, I.*, **Portman, M.E.**, “Comparing spatial management tools to protect highly migratory shark species in the Eastern Mediterranean Sea hotspots” Journal of Environmental Management, 337: 117691 2023.
 57. *Furst, B.*, **Portman, M.E.**, Teff-Seker, Y., “Activism or egotism? A critical view of the NIMBY phenomenon in cases of energy infrastructure in Israel” Geojournal, 88:4921-4938 2023
 58. *Schwartz-Belkin, I.*, **Portman, M.E.** “Exploring barriers to the implementation of geospatial technologies in marine spatial planning: Reports from practitioners” Marine Policy, 159:105891 2024.
 59. *Tal-Maon, M.*, Broitman, D., **Portman, M.E.**, Housh, M., “Optimal placement of water-sensitive planning solutions: a case study of the Tavor basin” Journal of Hydrology, 628: 130457 2024
 60. Tourlioti, P.N., **Portman, M.E.**, Pantelakis, I., Tzoraki, O., “Awareness and willingness to engage in climate change adaptation and mitigation: results from a survey of Mediterranean islanders (Lesvos, Greece)” Climate Services 33:100427 2024.
 61. *Grossmark, Y.*, Barash, A., Azrieli, B., Portman, M. E., “Enhancing Ecosystem-Based Management through Integrating Human-Wildlife Interaction using a case study of Two Endangered Guitarfish Species”, Conservation Biology, 2024: e14327 2024.
 62. *Tal-Maon, M.*, **Portman, M.E.**, Broitman, D., Housh, M., “Identifying the optimal type and locations of natural water retention measures using spatial modeling and cost-benefit analysis” Journal of Environmental Management 368: 122229 2024
 63. *Shwartz-Belkin, I.*, Semach-Shamir, S., Shamir, Z., **Portman, M.E.** “Introducing dynamics into coastal recreational management: Humans-sharks interactions case study”, Ocean & Coastal Management 261 (2025) 107524.
 64. **Portman, M.E.**, *Portman, J.* “Taking Ocean Literacy Literally: Reflections on Popular Literature’s Influence on Ocean Literacy”, Ocean and Society 2 (Article 9484).

Refereed Publications Hebrew (Israeli) journals

65. *Teff-Seker, Y.*, **Portman, M.** "Stakeholder Participation in Planning Processes: The case of the Israel Marine Plan", Ecology & Environment, 7(1), 24-32, 2016.

66. *Furst, B., Portman, M.* "Not In My Backyard': Characteristics, causes, and responses to the NIMBY phenomena in Israel – case study analysis of energy infrastructure", Ecology & Environment, 9(2): 34-41, 2018.
67. *Salkinder (Hanan), S., Portman, M., Plaut, P.* "Integration of Archeological Parks in Urban Environments: Evaluation of the relation between site and environment", Planning: Journal of the Israel Association of Planners, 15(2), 40-62, 2018.
68. *Sanker, O., Shorr, D., Portman, M.E.* "After two decades does the Committee for the Protection of the Coastal Environment of Israel actually protect the shore?" Ecology and Environment [in Hebrew] (accepted)

Papers submitted

- Portman, M.E.** "Let's be Honest about the Ecosystem-based Approach: Resetting the marine planning research agenda for the coming decade" Planning Theory (under review)
- Portman, M.E.** "With the sea change upon us, is an ecosystem-based approach to marine planning realistic?" Planning Theory & Practice (under review)
- Jay, S., Ritchie, H., *Vatine, D., Shwartz-Belkin, I., Portman, M.E.*, "Levels and layers of integration: Early experience of terrestrial and marine spatial planning for the Gulf of Eilat coast, Israel" Journal of Environmental Planning & Policy (under review)
- Grossmark, Y., Portman, M.E.* "Translating Success: Leveraging Management Strategies for Marine Human-Wildlife Conflict" People and Nature (under review)

15.3 Review papers

Book reviews

- Portman, M. E., "Laws of the Sea: Interdisciplinary Currents", *Ocean Yearbook* 37, pp. 7-10, 2024
- Portman, M. E., "Gigantic Losses", *Science* 322, pp. 531, 2008
- Portman, M. E., "The Unnatural History of the Sea", *Conservation Biology* 22 (33), 808-809, 2008
- Portman, M.E., "Public participation in environmental assessment and decision making" *Environment and Planning C: Government and Policy* 2009, volume 27, pages 946-947

15.4 Books

Monographs and textbooks

- Portman, M. E., *Compost by Gosh!* [Children's book] Flower Press, pp. 30. 2003.
- Portman, M. E., *Environmental Planning for Oceans and Coasts: Methods, Tools, Technologies*, Switzerland: Springer 2016, pp. 237.

Chapters in books

- Portman, M.E.** Developing Resource Management and Marine Policy for the Eastern Mediterranean Sea, In: *The Mediterranean Sea: Its History and Present Challenges*. Goffredo, S., Baader, H. and Dubinsky, Z. Editors, Berlin: Springer, pp. 641-654, 2014.

Portman, M.E., Elhanan, Y. Ecosystem Services Assessment from the Mountain to the Sea: In search of a method for land- and seascape planning. In: *Urban Sustainability on the Ground and in Place*. Gatrell, J. D. Editor, Berlin: Springer, pp. 23-41, 2016

Portman, M.E., Teff-Seker, Y. Remembering the Red Sea Marine Peace Park. In: *Marine Transboundary Conservation and Protected Areas*. Mackelworth, P. Editor, New York: Routledge pp. 89-110, 2016.

May, R., Gill, A.B., Köppel, J., Langston, R.H.W., Reichenbach, M., Scheidat, M., Smallwood, S., Voigt, C.C., Hüppop, O., **Portman, M.**, Future Research Directions to Reconcile Wind Turbine – Wildlife Interactions. In: *Wind Energy and Wildlife Interactions*. Köppel, J. Editor, Berlin: Springer, pp. 255-276, 2017.

Köppel, J., Biehl, J., Dahmen, M., Geißler, G., **Portman, M.E.** Perspectives on marine spatial planning. In: *Wildlife and wind farms, conflicts and solutions*. M.R. Perrow, ed. Exeter: Pelagic Publishing, pp. 281–317, 2019

Gonçalves, L.R., **Portman, M.E.**, Augustowski, M., Giovos, I., Mackelworth, P. “Ocean Governance: Exploring how marine conservation is taken into account using Evolutionary Governance Theory”. In: *"Conservation of Living Resources in Areas Beyond National Jurisdiction. BBNJ and Antarctica Negotiations"*. da Silva Almeida J.L., Editor, Rio de Janeiro: J Lumen Juris Editora pp. 67-94, 2020.

Vafeidis, A.T., Abdulla, A.A., Brotons, L., Ludwig, R., **Portman, M.**, Reimann, L., Vousdoukas, M., Xoplaki, E., Managing future risks and building socio-ecological resilience in the Mediterranean. In: *"Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report"*. Cramer, W., Guiot, J., Marini, K. Editors, Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, pp. 539-568, 2020.

Referred papers in conference proceedings

Ginott Y., Koach J., Ramon. U. and **Portman, M.E.** "Implementation of GIS in Evaluation of Natural Landscape Resources for Land Use Planning in the Lachish Region, Israel" Proceedings of the 9th Annual Symposium on Geographic Information Systems. British Columbia, Canada, 1995.

Portman, M.E. "Local and State Perspectives on Brownfields in Massachusetts". National Conference of the American Planning Association. pp. 549-556, Boston, Massachusetts, 1998.

Portman, M. E. "Fisheries Management and Marine Biodiversity: The Case of New England Groundfish", Proceedings of the First International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean. pp. 231-236. Algarve, Portugal, 2005.

Portman M. E., “From Land to Sea: Land Trusts and Marine Protection”, Proceedings of the 20th International Conference of the Coastal Society, pp. 304-308, St. Petersburg, Florida, 2006.

Portman M. E., “Waterfront Land Use Change and Marine Resource Regulation: The New Bedford Pilot Study”, Proceedings of the 21th International Conference of the Coastal Society, pp. 283-287, Redondo Beach, California, 2008.

Portman, M.E., Köppel, J., Duff, J. “Offshore Wind Farm Siting in Germany and the U.S.: Legal and Policy Impediments and Supports”, Proceedings of the IEEE Oceans '09 Conference, pp. 10-53, Bremen, Germany, 2009.

Portman M. E. “Marine spatial planning: achieving and evaluating integration”, Proceedings of the ICES Annual Science Conference '13, pp. 45-54, Reykjavik, Iceland, 2013.

Research reports and other publications

Vafeidis, A.T., Abdulla, A.A., Bondeau, A., Brotons, L., Ludwig, R., Portman, M., Reimann, L., Voudoukas, M., Xoplaki, E., Managing future risks and building socio-ecological resilience in the Mediterranean. In: Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. *First Mediterranean Assessment Report (MAR1)* [Cramer W, Guiot J, Marini K (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, pp. 539-588, 2020.

Alon-Moses, T., Carmon, N., Portman M., Goulden, S., Shapira, N., “Sustainable Stormwater Management in Israel: A study of Policy and Best Management Practices in Urban Open Spaces” Submitted to: *The Center for Water Sensitive Cities in Israel and KKL-JNF*, Center for Urban and Regional Studies (CURS), Technion – Israel Institute of Technology, 2020.

Sustainable Stormwater Management in Israel Schütze, M., Alex, J., Snir, O., Neta, H., Gilboa, Z., Vdov, O., **Portman, M.E.**, Friedler, E., "Closing the urban water loop – Integrated urban water and wastewater management for increasing sustainability – CLUWAL, *German-Israeli Cooperation in Water Technology Research Status Conference 2019*, Dresden, German, 24-25 September 2019

Guest Editors: **Portman, M. E.**, Fisher-Gewirtzman, D., Hölscher, C., “The Use of Virtual Reality for Environmental Representations”. Special Issue in: *Computers, Environment and Urban Systems* 2015, Volume 54

Portman, M.E., You'll Be Okay, Working Life Essay, *Science*, 349:6240, p.1282.

Katsanevakis, S., Mackelworth, P., Coll, M., Frascchetti, S., Macic, V., Giakoumi, S., Jones, P.J.S., Levin, N., Albano, P.G., Badalamenti, F., Brennan, R. E., Claudet, J. Culibrak, D., D'Anna, G., Deidun, A., Evagelopoulos, A., García-Charton, J. A., Goldsborough, D., Holcer, D., Jimenez, C., Kark, S., Sorenson, T. K., Lazar, B., Martin, G., Micheli, F., Milner-Gulland, E. J., Pipitone, C., **Portman, M.**, Pranovi, F., Rilov, G., Smith, R. J., Stelzenmüller, V., Vogiatzakis, I., Winters, G. "Advancing marine conservation in European and contiguous seas with the MarCons Action" *Research Ideas and Outcomes* 3: e11884, 2017.

16. CONFERENCES

Plenary, keynote or invited talks (international)

“Israel Marine Planning – Reaching Out”, *Future Oceans Spatial Planning Workshop*, GEOMAR, Kiel, Germany, 3-6 March, 2014. Invited lecture

“Ocean Conservation and Governance”, *Ocean Sustainability Science Symposium* Kiel, Germany, 4-6 March, 2015, Plenary speaker (~200 participants)

“Planning Tools for Sustainable use of the Marine Environment: impact assessment, ecosystem services and marine protected areas”, *Sustainable Blue Growth in Mediterranean and Black Sea Countries*, Trieste, Italy, July 11-13, 2017. Invited lecture

“Marine Spatial Planning and Beyond: Basic concepts and auxiliary planning tools applied”, *Marine Spatial Planning: balancing social, economic, cultural, and ecological objectives*, NOAA and Interdisciplinary Marine Early Career Network (IMECaN) Workshop, August 17-19, 2020. On-line invited lecture. Plenary invited speaker (~300 participants)

“Shared Visions for Marine Planning: Insights from Israel, South Africa & the UK” International conference, [On-line] Haifa, March 9-10, 2021. Plenary speaker (200 participants)

“Marine Protection and Restoration” *5th International Forum on Marine/Maritime Spatial Planning*, Barcelona, Spain. November 21, 2022 Keynote invited speaker (110 participants)

“Ocean Literacy: Failure, Challenges and Opportunities in Israel”, [in Hebrew] Inter-Agency Committee, National Planning Authority, Jerusalem, Israel. September 18, 2023. Invited.

“From Knowledge to Participation: Ocean literacy for all”. *THALASSA 2024 – Marine Sciences Conference*, Larnaca, Cyprus, Cyprus Marine & Maritime Institute, 28-29 May 2024. Invited Keynote Speaker

“Catchment to Coasts and Beyond”, Wohl Clean Growth Alliance UK-Israel Collaboration Forum, London, England. March 23, 2023. Invited.

“MarCoast Ecosystems Integration Lab’s Work towards Coastal Watershed Improvement”, Heriot Watt University-Lyell Center, Edinburgh, Scotland. November 12, 2024. Invited.

Contributed Talks and Posters (presenter underlined)

Portman, M.E. "Local and State Perspectives on Brownfields in Massachusetts", *Annual Conference of the American Planning Association*, Boston, USA. May 1998.

Portman, M.E. "Source Reduction in Integrated Solid Waste Management Planning for Massachusetts". *The Fifth International Conference on Solid Waste Technology and Management*. Philadelphia, USA. November 1999.

Portman, M.E. "Implementing the Massachusetts Waterways Regulation Program", *Coastal Zone Canada*, Newfoundland. June 2004.

Portman, M.E. "Waterfront Land Use Change, Marine Resource Conditions, and Regulation: The New Bedford Pilot Study", *PoCoast Seminar on Coastal Research*. Sponsored by the Faculdade de Engenharia da Universidade do Porto. Portugal. May 2008.

Portman, M.E. "Offshore Renewable Energy Siting in Germany and the United States: Legal and Policy Impediments and Supports", *Coastal Zone '09*, Boston, Massachusetts. July 2009.

Portman, M.E. "Waterfront Land Use Change and Marine Resource Conditions: The Case of New Bedford/Fairhaven Harbor", *Coastal Zone '09*, Boston, Massachusetts. July 2009.

Portman, M.E. "Communities and Changing Marine Resources: The case of two fishing ports in the northeastern U.S." *Annual Israel Association of Planners Conference*, Kfar HaYarok, Israel. March 2010.

Portman, M.E. "Losing Ground: Can coastal erosion be an environmental justice problem?" *Coastal Geotools Conference*, Myrtle Beach, South Carolina. March 2011.

Portman, M.E. "From the Levant to Gibraltar and Back: A Regional Perspective for Marine Conservation in the Mediterranean" *First International Workshop on Conservation Planning in the Mediterranean Sea*, Santorini, Greece. April 2-5 2012.

Portman, M.E. "From the Shores of Israel to Gibraltar: Current Status of Marine Protected Areas of the Mediterranean Sea", *Annual Conference of the Israel Society of Ecology and Environmental Sciences*, Israel. June 2011.

Portman, M.E. "Instruments of Integration for Coastal Development" *The 26th Umbrella Symposium on Sustainable Urban Development*, Technion— Israel Institute of Technology, Haifa, Israel. June 2012.

Portman, M.E. "Designation and Management of Marine Reserve Networks (DEMARN – Project)" *Annual Conference of Israel Association of Aquatic Sciences*, Israel. June 2012.

Portman, M.E. "Characteristics and Characteristic Drivers of Marine Protected Areas in the Mediterranean Sea" *The 3rd European Congress of Conservation Biology*, Glasgow, Scotland. August 28-31 2012.

Portman, M.E. "Marine spatial planning: achieving and evaluating integration", *International Council on the Exploration of the Sea Annual Science Conference '13*, Reykjavik, Iceland. September 22-26 2013.

Portman, M.E. "Ecosystem services assessment from the mountain to the sea", *Annual Conference of the Israel Planning Association*, Jerusalem, Israel. February 2014,

Portman, M.E. "He Who Hesitates is Lost....A Proposed Planning Process for Conservation in the Mediterranean Sea" *The 2nd International Workshop on Advancing Conservation Planning in the Mediterranean Sea*, Nachsholim, Israel. April 2014.

Portman, M.E. "Participatory Projects as a Tool for Meaningful Environmental Learning: A case study of graduate planning students", *Annual Conference of the Israel Society of Ecology and Environmental Sciences*, Kiryat Ono, Israel. September 2014.

Portman, M.E. "Comparing Systematic Conservation Planning Approaches to Read-World Planning: Marine protection at Rosh HaNikra", *Annual Conference of the Israel Geography Association*, Haifa, Israel. December 2014.

Portman, M.E. "Ecosystem services assessment from across landscape units", *The 18th Congress of the Meso-American Society for Biology and Conservation*, Copán, Honduras. October 13-18 2014.

Portman, M.E. *Marine Geological and Biological Marine Habitat Mapping (BIOHAB)*, Salvador, Brazil. May 2-8 2015. Three presentations made:

- a) "Designing Marine Protected Area Management Plans: Using Spatial Conservation Prioritization Methods"
- b) "Ecosystem Services Assessment from the Carmel Mountain to the Sea: A multi-disciplinary method for defining ES indicators in coastal and marine landscape units"
- c) "Visualization of the Marine Environment using Virtual Reality and Interactive Applications for Marine Planning"

Portman, M.E. "Visualization of the Marine Environment using Virtual Reality and Interactive Applications for Marine Planning", and "Designing Marine Protected Areas Management Plans: Using Spatial Conservation Prioritization Methods" *Annual Conference of the Israel Society of Ecology and Environmental Sciences*, Jerusalem, Israel. September. 2015.

Portman, M.E. "Marine Spatial Planning in the Levant: Crossing the policy-planning divide" *The First Science Based Management of Marine and Coastal Resources Convention*, Haifa. Israel November 2015.

Portman, M.E. "Factors of success and failure for transboundary environmental cooperation: projects in the Gulf of Aqaba", *Workshop I: Advancing marine conservation in the European and contiguous seas*, MarCons COST ACTION, Zagreb, Croatia. October 13-14 2016.

Shabtay-Yanai, A., Portman, M. E., Carmel, Y. "Marine infrastructure enclosures for enhancing marine conservation", *Maritime Spatial Planning, Ecosystem Approach and Supporting Information Systems (MaPSIS)*. Las Palmas, Gran Canaria, Tenerife. April 24-28 2017.

Portman, M.E. "Incorporating principles of reconciliation ecology to achieve ecosystem-based marine spatial planning", *Ocean Governance for Sustainability Challenges, Options and the Role of Science*, OceanGov COST ACTION, Bremen, Germany. March 6-8 2017.

Portman, M.E. "Science for the Land-Sea Interface: Informing Coastal and Near-shore Marine Policy", *American Association for the Advancement of Science Annual Conference*, Session Proposed and Moderated, Boston, USA. February 16-20 2017.

Shabtai, Y., Portman, M. E., Carmel, Y. "Realizing marine conservation in enclosed marine infrastructure areas." *First Israeli Conference for Conservation Science*, Sde Boker, Israel, 3-4 April 3-4 2017.

Shabtai, Y., Portman, M.E., Carmel, Y. "Realizing marine conservation in enclosed marine infrastructure areas", *The 45th Annual Convention for Science and the Environment*, Herziliya, Israel. July 10-11 2017.

Portman, M.E. "Policy Options for Coastal Protection: Integrating inland water management with coastal management in response to coastal erosion and shoreline change", *Boundary Spanning: Advances in Socio-Environmental Systems Research*, Annapolis, USA. June 11-13, 2018.

Portman, M.E., Furst, B. "Nimby – The Phenomenon, Characteristics and Responses" *Annual Israel Planning Association Conference*, Jerusalem, Israel. March 2018.

Portman, M.E. "MPAs and climate change: policy, planning & management", *Climate Change and Marine Conservation*, MARCONS Cost Action, Shikmona Haifa. March 2018

Shabtay-Yanai, A., Portman, M. E., Carmel, Y. "Promoting marine conservation through marine spatial planning: using ecological modelling to study coastal infrastructure management effect on the marine environment", *The 2nd Science-based Management Conference: Anthropogenic Impacts to the Mediterranean Sea*. Haifa University Israel. June 19-20 2018. Oral Presentation

Portman, M.E. "Policy Options for Coastal Protection: Integrating inland water management with coastal management for greater community resilience", *Coastal Zone Canada*, St. John's, Newfoundland, Canada. July 15-19 2018.

Schwartz-Belkin, I., Portman, M.E., Predictive policing in illegal fishing context. Maritime Design & Technology. Israel, online, oral presentation. May 19 2019.

Portman, M.E. "Challenges to Protection and Enhancement of the Marine Environment from a Mediterranean Regional Perspective", *Israel in the Mediterranean Sea Basin Research and Policy Group, Environmental Challenges and Opportunities*, *Interdisciplinary Center College*, Herziliya, Israel. February 2020.

Portman, M.E., Vdov, O. "Survey of Public Perceptions on the Household Use of Alternative Water Sources", *Closing the Water Loop*, Technion, March 2020.

Portman, M.E., Vdov, O., Friedler, E., Gilboa, Y. "Public perspectives on reuse of alternative water sources", *The 48th Annual Convention for Science and the Environment*, on-line, October 12-13 2020.

Vdov, O., Portman, M.E., Shifting Baselines in EIA – A Global Baseline Analysis. International Association for Impact Assessment (IAIA22), Vancouver, Canada. [Virtual presentation], May 4 2022.

Vdov, O., Portman, M.E., Shifting Baselines in EIA – A global definitions review. Israel Society of Ecology and Environmental Sciences (ISEES) Annual Conference. July 6 2022.

Grossmark, Y., Portman, M.E., Learning from experience - applying tools for terrestrial human-wildlife interactions through the marine spatial planning (MSP) process. 5th Conference on the Mediterranean: From the Deep Sea to the River Environment, Strategy and Economics, Reichman University, Herzliya, Israel, [in Hebrew] March 13 2022.

Grossmark, Y., Portman, M.E., Learning from experience - applying tools for terrestrial human-wildlife interactions through the marine spatial planning (MSP) process. 2th M.D.T Marine Design Technology Annual Conference on Marine Technological Innovations, Virtual conference, Technion, Haifa, Israel [in Hebrew], June 6 2022.

Grossmark, Y., Portman, M.E., Barash, A., Azrieli Zohar, B., Gan-Parkel, H., Salingre, S., Are we doing enough? Guitarfish conservation along Israel's Mediterranean coast. 4th Sharks International Conference, Valencia, Spain, October 21 2022.

Schwartz-Belkin, I., Portman, M.E. Advancing integration of geospatial technologies in marine spatial planning. Israeli Conference for Conservation Science (ICCS). Tel Aviv, Israel. October 18-20 2022

Schwartz-Belkin, I., Portman, M.E., A Review of Geospatial Technologies for Improving Marine Spatial Planning: Challenges and Opportunities. The emerging approaches of digital design for social landscapes. Israel, online, poster, May 23 2022.

Tal-Maon, M., Broitman, D., Portman, M.E., and Housh, M., Combining hydrological models with optimization for optimal placement of water-sensitive solutions, *Early research conference*, Haifa, Israel, [Hebrew] March 30, 2023.

Grossmark, Y., Portman, M.E., Barash, A., Azrieli Zohar, B., Incorporating human-wildlife interaction into marine spatial planning: a study case of guitarfish along the Israeli Mediterranean coast. *Early-career research conference*, Haifa, Israel. [Hebrew] March 30 2023.

Tal-Maon, M., Broitman, D., Portman, M.E., and Housh, M., Identifying optimal type and locations of natural water retention measures using spatial modeling and cost-benefit analysis, *EGU General Assembly 2023*, Vienna, Austria. poster presentation, April 26 2023.

Tal-Maon, M., Broitman, D., Portman, M.E., and Housh, M., Combining hydrological models with ecological planning for optimal placement of water-sensitive solutions, The 2023 International SWAT Conference, Aarhus, Denmark June 30 2023, oral presentation

Grossmark, Y., Portman, M.E., Barash, A., Azrieli Zohar, B., Incorporating human-wildlife interaction into marine spatial planning: a study case of guitarfish along the Israeli Mediterranean coast. 3rd Environmental Conflict and Cooperation Conference, Virtual conference, UC Berkeley, California, USA, June 1 2023, oral presentation

Grossmark, Y., Portman, M.E., Barash, A., Azrieli Zohar, B., Incorporating human-wildlife interaction into marine spatial planning: a study case of guitarfish along the Israeli Mediterranean coast. The 51st annual conference for science and the environment, Tel-Aviv, Israel, [Hebrew] July 12 2023, poster presentation

Schwartz-Belkin, I., Portman, M.E. Utilizing near real-time data to promote dynamic ocean management. The Sixth Conference on the Mediterranean Sea: Effective Ocean Management. Herzliya, Israel, September 27 2023

Gordon, G. Multi-criteria decision making for port sustainability, The 51st Annual Conference for Science and the Environment, Tel Aviv, Israel, July 13, 2023, Poster presentation

Gordon, G., Multi-criteria decision making for port sustainability, Sustainability in Ship Design and Operation, Great Neck, NY, November 7 2023, Oral presentation.

Portman, M.E., Coastal Vulnerability Index Development for Protection from Coastal Cliff Collapse in the Levant, American Beach and Shore Protection Association Annual Conference, Galveston, Texas, USA. August 28, 2024, Oral presentation

Ritchie, H., Jay, S., Portman, M.E. Vatine, D.; Schwartz, I., Levels and layers of integration: early experiences of terrestrial and marine spatial planning for the Gulf of Eilat coast, Israel, 19th Annual Conference of the International Academic Association of Planning Law and Property Rights, Cardiff, UK March 3-7 2025, Oral presentation

Portman, M.E., Breton, L., Kaplan, M. Addressing Cliff Collapse with Nature-based Solutions: Lessons from/for the Levant, Second Conference Nature-based Solutions for Coastal Resilience in Urban Settings, Stone Living Lab, University of Massachusetts, Boston, USA. April 16-18, 2025, Oral Presentation

Participation in organizing conferences

International

Organizing Committee Member. Coastal Footprints: Minimizing Human Impacts, Maximizing Stewardship. The 21th International Conference of the Coastal Society, Redondo Beach, California, June 29 - July 2, 2008.

Scientific Committee Member. International Conference on Wind energy and Wildlife impacts (CWW 2015) Berlin, Germany, March 10-12, 2015.

Organizing Committee. Closing the Urban Water Loop (CLUWAL), Haifa, Israel. March 5, 2020.

Lead organizer of on-line international conference. Shared Visions for Marine Planning: Insights from Israel, South Africa & the UK, [On-line] March 9-10, 2021.

Lead organizer of conference 'Catchments to Coasts & Beyond: Research for Sustainable Waterways Development'. Edinburgh, Scotland. Nov. 11-18, 2024.

Israel

Organizing Committee Member, VizWorld, Spatial Analysis and Cognition in Architecture, Landscape, Urban Planning and Industrial Design, Haifa, November 3-5, 2013.

Organizing Committee Member, Haifa Port: Clarifying Choices for the Future. Haifa, March 11-12, 2015

Organizing Committee Member. Annual Conference of the Israel Society of Ecology & Environmental Sciences (ISEES), Tel Aviv, September 16-18, 2014.

Organizing Committee Member, The Mediterranean Sea as a Strategic, Economic and Natural Resource, Haifa. May 1, 2018.

Organizing Committee Member, Population and Planning Conference, Porter School of the Environment, Tel Aviv University, February 16, 2020.

Organizing Committee Member, 4th Israeli Conference for Conservation Science (ICCS), Givat Ram, Jerusalem, Israel. November 27-29, 2024