

Curriculum Vitae

Name Prof. Dr. Marie Fujitani

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Education

2003 University of California at Davis, B.Sc., Animal Biology
2010 Arizona State University, M.Sc., Biology
2014 Arizona State University, Ph.D., Environmental Life Sciences
(Interdisciplinary degree program in sustainability)

Research Experience

Since 2025 Programme Area Lead (equivalent to Department Chair),
Coastal Transformation, Leibniz Centre for Tropical Marine Research
Since 2025 Associate Professor for Human Geography with focus on Marine and Coastal
Sustainable Development, Institute for Geography, Faculty of Social Sciences,
University of Bremen
2020 – 2025 Professor, University of Bremen, Institute for Geography
2019 – 2025 Junior Research Group Leader, Leibniz Centre for Tropical Marine Research
2024 Parental leave
2020 – 2021 Parental leave
2016 – 2018 Post-Doctoral Researcher, Leibniz Centre for Tropical Marine Research
2014 – 2016 Post-Doctoral Researcher, Leibniz-Institute for Freshwater Ecology and Inland
Fisheries (IGB)
2013 – 2014 Policy Fellow, Office of Aquaculture, National Marine Fisheries Service,
National Ocean and Atmospheric Administration (NOAA), USA
2009 Visiting researcher, Prescott College Kino Bay Field Station, Mexico

Management Experience

2023 Conference Organizer, MARE People and the Sea Conference
2023, 2026 Co-Organizer, ZAC4/ZAC7 Internal ZMT Conference
2022 Organizer, special session at Conference ECSA59 (San Sebastian, Spain)
2016 – 2017 Organizer, Social Science Seminar Series, ZMT
2013 NOAA Organizer of 41st U.S. Japan Natural Resources Panel on Aquaculture
(Sapporo, Japan) and Administrative Meeting (Yokohama, Japan)
2011 American Fisheries Society 141st Annual Meeting Symposium, USA

Teaching and Supervision

2019 – present Tourism, Development, and Sustainability (in English, University of Bremen)
2024 – present Geography Proseminar (in German, University of Bremen)
2019 – 2023 Descriptive Statistics (Bilingual, University of Bremen)
2018 Experimental Methods and Statistics (ZMT)
2015 Advanced Statistics: Generalized Linear Mixed Models (IGB)
2008 – 2010 General and Honors Biology Lab (Arizona State University)
2003 – 2008 English as a foreign language teacher – Vocational secondary schools
(Fukuoka and Osaka, Japan)

2018 – present Completed Supervision – 2 PhD Dissertations, 8 Master's Theses

Funding

2025 – 2030	Principal Investigator, Leibniz Programme for Women Professors 'STEPS'	1,552,895 €
2019 – 2024	Principal Investigator, BMBF SOEF Junior Research Group 'TransTourism'	1,957,589 €
2016	Principal Investigator, "CODEVELOP shared values for shared resources" ZMT Postdoctoral Research Grant.	5,000 €

Professional Activities and Memberships

2025 – present	Assistant Editor, People and Nature
2021 – 2024	Ombudsperson, Leibniz Centre for Tropical Marine Research, Germany
2019 – 2023	Speaker for Institute Research Programme Area 4
2010	Certified Scientific Diver, American Academy of Underwater Sciences
2023 – 2024	Review Editor, Climate and Decision Making
2023	Lead Guest Editor, Ocean & Coastal Management Special Issue
2018	Guest Editor, Ocean & Coastal Management Special Issue

Honors and Recognitions

2013 – 2014	Knauss Marine Policy Fellowship	(Scholarship, \$56,500)
2013	ASU School of Life Sciences Completion Award	(Scholarship, \$10,484)

Oral Presentations (selected)

2024	International Small Islands Studies Association 19 th Islands of the World Conference. "Addressing tourism-generated wastewater as a global sustainability challenge for island nature-based tourism destinations" Lombok, Indonesia
2023	Keynote "Equity at a crossroads: Inclusivity and justice" ICYMARE Oldenburg.
2023	ECSA59, "Tourism-generated wastewater as an interdisciplinary challenge – co-producing knowledge and identifying distal drivers to shift systems to sustainability" San Sebastian, Spain
2021	Keynote "Transdisciplinary Sustainability Science" YOUMARES12, Hamburg.
2018	LEADS Symposium, "Eco-tourism and the triple bottom line: a mixed method study to understand preferences for wastewater management by the tourism sector" Berlin, Germany
2016	Pathways Human Dimensions Kenya. "Transdisciplinary science and stakeholder engagement: A before-after-impact-control study on learning for sustainable stocking in German recreational fisheries" Nanyuki, Kenya
2015	EIFAAC Symposium. "Engaging with stakeholders for sustainable inland fisheries" Lillehammer, Norway
2014	7 th World Recreational Fishing Conference. "A randomized experiment of lecture-based instruction on recreational angler knowledge and attitude shifts" Campinas, Brazil
2013	26 th International Congress for Conservation Biology. "Using changes in recreational angler site demand to infer the cost imposed by a marine reserve in the central Gulf of California, Mexico" Baltimore, MD, USA
2013	Invited Talk , "Marine reserves, an economic approach: using data on behavior to recommend a fine" NOAA Central Library, Silver Spring, MD, USA
2011	The Wildlife Society's 18 th Annual Conference. "Marine reserves protect fish from people: Assessing the effects of conservation policy on human use" Waikoloa, HI, USA
2011	American Fisheries Society 141 st Annual Meeting. "The performance of quasi-experimental BACI studies of fish populations in coupled human-environmental systems" Seattle, WA, USA

Publications

- Plazas-Gómez, R. A., Bejarano, S., Magneville, C., Prato-Valderrama, J., Santos-Martínez, A., Zwicker, S., & **Fujitani**, M. 2026. Reef fish functional trait responses to wastewater-driven environmental gradients. *Marine Environmental Research*, 108208.
- Bacalso, R. T. M., Wolff, M., Romagnoni, G., & **Fujitani**, M. 2026. Ecological and economic perspectives of two decades of change in a traditional fishing ground in the Philippines. *Ocean & Coastal Management*, 273, 108027.
- Arlinghaus, R., **Fujitani**, M., Ehrlich, E., Engel, M. T., & Cooke, S. J. 2025. Knowledge co-production in recreational fisheries science and management. In *Understanding Recreational Fishers: Disciplinary and Interdisciplinary Approaches for Fisheries Management* (pp. 533-572). Cham: Springer Nature Switzerland.
- Leeuwerik, R. N. C., Kwong, Y. M. C., & **Fujitani**, M. 2025. The politics of knowledge use in wastewater management—A systematic literature review. *Frontiers in Environmental Science*, 13, 1614208.
- Plazas-Gómez, R. A., Bejarano, S., Magneville, C., & **Fujitani**, M. 2025. Beyond taxonomy: A functional approach reveals patterns of reef fish response to wastewater pollution. *Marine Pollution Bulletin*, 216, 118024.
- Bogusz, T., Holtappels, M., Hodapp, D., Schlüter, A., Breckwoldt, A., Barz, F., Bleischwitz, R., Bruns, A., Buschbaum, C., David, C. G., Ferse, S., Franke, A., Fritz, J.-S., **Fujitani**, M., Glaser, M., Goseberg, N., Heine, U., Hillebrand, H., Kannen, A., Kasten, S., Kuhn, A., Krause, G., Kriegl, M., Link, H., Martinez, G., Müller, C., Pogoda, B., Ratter, B. M. W., Pelke, N., Schlurmann, T., & Schnitzler, J. 2024. *Natur und Gesellschaft in der Meeresforschung. ZFO-Thesenpapier. (Nature and society in marine research-Perspectives for interdisciplinary cooperation in the Anthropocene)*
- Wittlich, C., **Fujitani**, M., Behrendt, T., Thiele, M., and Fink, M. Transformative Learning in Higher Education Institutions to sustain the Wadden Sea. In: *Crossing Borders, Blending Perspectives*. Liburd, J., Walsh, C., Trell, E.M., Sijtsma, F.J., Mose, I. Eds. (In Press)
- Paramita, A. O., Partelow, S., Buhari, N., & **Fujitani**, M. Improving the depth and complexity of stakeholder deliberation using images: experimental evidence from Indonesia. *Ocean & Coastal Management* (In Press)
- Jaax, A., Zwicker, S., **Fujitani**, M., Pohle, A., Cantillo, S. P., Pineda, J. E. M., & Haag, F. 2024. Tracing nitrogen pollution from wastewater on an oceanic, touristic island: Integrating local knowledge and uncertainty into a mass balance modeling approach. *Ocean & Coastal Management*, 253, 107135.
- Paramita, A. O., Partelow, S., & **Fujitani**, M. 2023. A systematic review of deliberation research in marine and coastal case studies. *Frontiers in Marine Science*, 10.
- Partelow, S., **Fujitani**, M., Williams, S., Robbe, D., & Saputra, R. A. 2023. Disaster impacts, resilience, and sustainability opportunities for Gili Trawangan, Indonesia: transdisciplinary reflections following COVID-19. *Disasters*, 47(2), 499-518.

- Stäbler, M., Letschert, J., **Fujitani**, M., & Partelow, S. 2022. Fish grabbing: Weak governance and productive waters are targets for distant water fishing. *Plos one*, 17(12), e0278481.
- Arlinghaus, R., Riepe, C., Theis, S., Pagel, T., & **Fujitani**, M. 2022. Dysfunctional information feedbacks cause the emergence of management panaceas in social-ecological systems: The case of fish stocking in inland recreational fisheries. *Journal of Outdoor Recreation and Tourism*, 100475.
- Riepe, C., **Fujitani**, M., Aas, O., Kochalski, S., and R. Arlinghaus. Values, Beliefs, Norms, and Conservation-Oriented Behaviors Towards Native Fish Biodiversity in Rivers: Evidence From Four European Countries. *Society & Natural Resources*, 34:6 703-724
- Nelson, K. M., Partelow, S., Stäbler, M., Graci, S., & M. **Fujitani**. 2021. Tourist willingness to pay for local green hotel certification. *Plos one*, 16(2), e0245953.
- Sánchez-Jiménez, A., MacMillan, D., Wolff, M., Schlüter, A., and M. **Fujitani**. 2021. The Importance of Values in Predicting and Encouraging Environmental Behavior: Reflections From a Costa Rican Small-Scale Fishery. *Frontiers in Marine Science* 8:137.
- Fujitani**, M. L., C. Riepe, T. Pagel, J. Cucherousset, and R. Arlinghaus. 2020. Ecological and social constraints are key for voluntary investments into renewable natural resources. *Global Environmental Change*, 63, 102125.
- Riepe, C., Meyerhoff, J., **Fujitani**, M., Aas, O., Radinger, J., Kochalski, S., and R. Arlinghaus. 2019. Managing river fish biodiversity generates substantial economic benefits in four European countries. *Environmental Management* 63:759–776
- Partelow, S., **Fujitani**, M., Soundarajan, V., and A. Schlüter. 2019. Transforming the social-ecological systems framework into a knowledge exchange and deliberation tool for comanagement. *Ecology and Society* 24:1
- Kochalski, S., Riepe, C., **Fujitani**, M., Aas, Ø., and R. Arlinghaus. 2019. Public perception of river fish biodiversity in four European countries. *Conservation Biology* 33:164-175
- Sánchez Jiménez, A., **Fujitani**, M., MacMillan, D., Schlüter, A., and M. Wolff. 2019. Connecting a Trophic Model and Local Ecological Knowledge to Improve Fisheries Management: The Case of Gulf of Nicoya, Costa Rica. *Frontiers in Marine Science* 6:126
- Fujitani**, M. L., L. R. Gerber, J. Torre, and E. P. Fenichel. 2018. Synthesizing ecological and human use information to understand and manage coastal change. *Ocean and Coastal Management*. 162:100-109.
- Schlüter, A., Partelow, S., and M. **Fujitani**. 2018. Coastal systems in transition: From a 'natural' to an 'anthropogenically modified' state. *Ocean and Coastal Management*. 162:1-5.
- Fujitani**, M., Solano, S. Schlüter, A. 2018. Tourism and Wasterwater: A Field Study in Montezuma, Costa Rica. In: Hempel, G., Hempel, K., Hornidge A-K., eds. *Scientific Partnership for a Better Future – Bremen's Research Along Tropical Coasts*, Edition Falkenberg. pp. 401-414. ISBN 978-3-95494-151-3
- Goldbach, C., M.L. **Fujitani**, A. Schlüter. 2018. Analyzing potential effects of migration on coastal resource conservation in Southeastern Ghana. *Journal of Environmental Management*. 209:475-483

- Fujitani**, M. L., McFall, A., Randler, C., and Arlinghaus, R. 2017. Participatory adaptive management leads to environmental learning outcomes extending beyond the sphere of science. *Science Advances* 3: e1602516
- Riepe, C., M. L., **Fujitani**, T. Pagel, J. Cucherousset, and R. Arlinghaus. 2017. What determines the behavioral intention of local-level fisheries managers to alter fish stocking practices in freshwater recreational fisheries of two European countries? *Fisheries Research* 194:173-187
- Arlinghaus, R., J. Alos, B. Beardmore, K. Daedlow, M. Dorow, M. **Fujitani**, D. Huhn, W. Haider, L. M. Hunt, B. M. Johnson, F. Johnston, T. Klefoth, S. Matsumura, C. Monk, T. Pagel, J. R. Post, T. Rapp, C. Riepe, H. Ward, and C. Wolter. 2017. Understanding and managing freshwater recreational fisheries as complex adaptive social-ecological systems. *Reviews in Fisheries Science and Aquaculture* 25:1-41.
- Theis, S., Riepe, C., **Fujitani**, M., Arlinghaus, R. 2017. Typisierung von Angelvereinen in Bezug auf den Einsatz von Hegemaßnahmen. *AFz-Fischwaid*, 3/2017, 18-20
- Fujitani**, M. L., McFall, A., Randler, C., and Arlinghaus, R. 2016. Efficacy of lecture-based environmental education for biodiversity conservation: A robust controlled field experiment with recreational anglers engaged in self-organized fish stocking. *Journal of Applied Ecology* 53:25-33
- Fujitani**, M.L., R.C. Jones, M.B. Rust. 2015. First annual report on aquaculture and policy in the United States of America for the 2013 UJNR panel. *Bulletin of Fisheries Research Agency* 40:21-31
- Arlinghaus, R., Cyrus, E.-M., Eschbach, E., **Fujitani**, M., Hühn, D., Johnston, F., Pagel, T., Riepe, C. 2015. Hand in Hand für eine nachhaltige Angelfischerei: Ergebnisse und Empfehlungen aus fünf Jahren praxisorientierter Forschung zu Fischbesatz und seinen Alternativen. (Hand in hand for sustainable recreational fisheries: results and recommendations from five years of practical research on fish stocking and its alternatives. Reports of the IGB, Issue 28.
- Fujitani**, M. L. 2014. Marine reserves with fisheries management: regulations aimed at people to hit biological targets. Ph.D. Dissertation. Arizona State University, Tempe, Arizona.
- Rust, M., P. Olin, A. Bagwill, and M.L. **Fujitani** (editors). 2013. Hatchery Technology for High Quality Juvenile Production: Proceedings of the 40th U.S.-Japan Aquaculture Panel Symposium, Honolulu, Hawaii, October 22-23, 2012. U.S. Dept. Commerce, NOAA Tech. Memo. NMFS-F/SPO-136.
- Fujitani**, M. L., E. P. Fenichel, J. Torre, and L. R. Gerber. 2012. Implementation of a marine reserve has a rapid but short-lived effect on recreational angler use. *Ecological Applications* 22(2):597-605
- Fujitani**, M. L. 2010. The rapid assessment of a new marine reserve in the Gulf of California, Mexico. Master's Thesis. Arizona State University.