

Use of oysters to mitigate eutrophication in coastal water

Estuarine, Coastal and Shelf Science

151, 156-168

DOI: [10.1016/j.ecss.2014.09.025](https://doi.org/10.1016/j.ecss.2014.09.025)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Using a Shellfish Harvest Strategy to Extract High Nitrogen Inputs in Urban and Suburban Coastal Bays: Practical and Economic Implications. <i>Journal of Shellfish Research</i> , 2015, 34, 573-583.	0.3	15
2	Nutrient Assimilation Services for Water Quality Credit Trading Programs. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
3	Dissolved inorganic nitrogen uptake kinetics and $\delta^{15}\text{N}$ of <i>Zostera marina</i> L. (eelgrass) in a coastal lagoon with oyster aquaculture and upwelling influence. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 472, 1-13.	0.7	15
4	Habitat context influences nitrogen removal by restored oyster reefs. <i>Journal of Applied Ecology</i> , 2015, 52, 716-725.	1.9	52
5	Ecohydrology solutions. , 2016, , 219-267.		5
6	Directly Measured Denitrification Reveals Oyster Aquaculture and Restored Oyster Reefs Remove Nitrogen at Comparable High Rates. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	81
7	Enhancing nitrogen removal from low carbon to nitrogen ratio wastewater by using a novel sequencing batch biofilm reactor. <i>Journal of Environmental Sciences</i> , 2016, 50, 32-37.	3.2	17
8	Nitrogen Uptake and Internal Recycling in <i>Zostera marina</i> Exposed to Oyster Farming: Eelgrass Potential as a Natural Biofilter. <i>Estuaries and Coasts</i> , 2016, 39, 1694-1708.	1.0	16
9	Living oysters and their shells as sites of nitrification and denitrification. <i>Marine Pollution Bulletin</i> , 2016, 112, 86-90.	2.3	45
10	Quantifying the Effects of Commercial Clam Aquaculture on C and N Cycling: an Integrated Ecosystem Approach. <i>Estuaries and Coasts</i> , 2016, 39, 1746-1761.	1.0	17
11	Microbial nitrogen processing in hard clam (<i>Mercenaria mercenaria</i>) aquaculture sediments: the relative importance of denitrification and dissimilatory nitrate reduction to ammonium (DNRA). <i>Limnology and Oceanography</i> , 2016, 61, 1589-1604.	1.6	45
12	Effect of Eastern Oysters (<i>Crassostrea virginica</i>) and Seasonality on Nitrite Reductase Gene Abundance (<i>nirS</i> , <i>nirK</i> , <i>nrfA</i>) in an Urban Estuary. <i>Estuaries and Coasts</i> , 2016, 39, 218-232.	1.0	34
13	Goods and services of extensive aquaculture: shellfish culture and nutrient trading. <i>Aquaculture International</i> , 2016, 24, 803-825.	1.1	54
14	The use of shellfish for eutrophication control. <i>Aquaculture International</i> , 2016, 24, 857-878.	1.1	56
15	Growth, morphometrics and nutrient content of farmed eastern oysters, <i>Crassostrea virginica</i> (Gmelin), in New Hampshire, USA. <i>Aquaculture Research</i> , 2017, 48, 1525-1537.	0.9	17
16	From middens to modern estuaries, oyster shells sequester source-specific nitrogen. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 202, 39-56.	1.6	20
17	Nutrient Assimilation Services for Water Quality Credit Trading Programs: A Comparative Analysis with Nonpoint Source Credits. <i>Coastal Management</i> , 2017, 45, 24-43.	1.0	20
18	Nitrogen extraction potential of wild and cultured bivalves harvested from nearshore waters of Cape Cod, USA. <i>Marine Pollution Bulletin</i> , 2017, 116, 175-181.	2.3	28

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19	Long-Term Oyster Recruitment and Growth are not Influenced by Substrate Type in China: Implications for Sustainable Oyster Reef Restoration. <i>Journal of Shellfish Research</i> , 2017, 36, 79-86.	0.3	16
20	Methane fluxes from coastal sediments are enhanced by macrofauna. <i>Scientific Reports</i> , 2017, 7, 13145.	1.6	41
21	Contributions of freshwater mussels (Unionidae) to nutrient cycling in an urban river: filtration, recycling, storage, and removal. <i>Biogeochemistry</i> , 2017, 135, 307-324.	1.7	42
22	Restoring Angasi oyster reefs: What is the endpoint ecosystem we are aiming for and how do we get there?. <i>Ecological Management and Restoration</i> , 2017, 18, 214-222.	0.7	38
23	Mutualism between ribbed mussels and cordgrass enhances salt marsh nitrogen removal. <i>Ecosphere</i> , 2017, 8, e01795.	1.0	40
24	The feasibility study of autotrophic denitrification with iron sludge produced for sulfide control. <i>Water Research</i> , 2017, 122, 226-233.	5.3	42
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26	Denitrification potential of the eastern oyster microbiome using a 16S rRNA gene based metabolic inference approach. <i>PLoS ONE</i> , 2017, 12, e0185071.	1.1	76
27	Oysters and the Ecosystem. <i>Developments in Aquaculture and Fisheries Science</i> , 2017, 41, 703-834.	1.3	4
28	Oyster (<i>Crassostrea virginica</i>) Aquaculture Shifts Sediment Nitrogen Processes toward Mineralization over Denitrification. <i>Estuaries and Coasts</i> , 2018, 41, 1130-1146.	1.0	28
29	Differential Effects of Bivalves on Sediment Nitrogen Cycling in a Shallow Coastal Bay. <i>Estuaries and Coasts</i> , 2018, 41, 1147-1163.	1.0	28
30	Role of Shellfish Aquaculture in the Reduction of Eutrophication in an Urban Estuary. <i>Environmental Science & Technology</i> , 2018, 52, 173-183.	4.6	52
31	Intervention Options to Accelerate Ecosystem Recovery From Coastal Eutrophication. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	44
32	Bivalve Impacts in Freshwater and Marine Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2018, 49, 183-208.	3.8	172
33	Impacts of Oyster Aquaculture on Subaqueous Soils and Infauna. <i>Journal of Environmental Quality</i> , 2019, 48, 1890-1898.	1.0	4
34	Flat oyster fishery management during a time with fluctuating population size. <i>Aquatic Living Resources</i> , 2019, 32, 22.	0.5	11
35	Population dynamics of eastern oysters in the Choptank River Complex, Maryland during 1989â€“2015. <i>Fisheries Research</i> , 2019, 212, 196-207.	0.9	9
36	Potential nitrous oxide production by marine shellfish in response to warming and nutrient enrichment. <i>Marine Pollution Bulletin</i> , 2019, 146, 236-246.	2.3	7

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37	Oyster farming control on phytoplankton bloom promoted by thermal discharge from a power plant in a eutrophic, semi-enclosed bay. <i>Water Research</i> , 2019, 159, 1-9.	5.3	28
38	Integrating ecosystem services considerations within a GIS-based habitat suitability index for oyster restoration. <i>PLoS ONE</i> , 2019, 14, e0210936.	1.1	25
39	Spatially Explicit Estimates of In Situ Filtration by Native Oysters to Augment Ecosystem Services during Restoration. <i>Estuaries and Coasts</i> , 2019, 42, 792-805.	1.0	9
40	Nitrogen removal potential of shellfish aquaculture harvests in eastern Canada: A comparison of culture methods. <i>Aquaculture Reports</i> , 2019, 13, 100183.	0.7	22
41	Rapid and Accurate Monitoring of Intertidal Oyster Reef Habitat Using Unoccupied Aircraft Systems and Structure from Motion. <i>Remote Sensing</i> , 2019, 11, 2394.	1.8	20
42	Bioreactivity and Microbiome of Biodeposits from Filter-Feeding Bivalves. <i>Microbial Ecology</i> , 2019, 77, 343-357.	1.4	23
43	Nutrient Extraction Through Bivalves. , 2019, , 179-208.		24
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45	A global review of the ecosystem services provided by bivalve aquaculture. <i>Reviews in Aquaculture</i> , 2020, 12, 3-25.	4.6	210
46	Consequences of nitrate enrichment in a temperate estuarine marine protected area; response of the microbial primary producers and consequences for management. , 2020, , 685-702.		1
47	Bioextractive Removal of Nitrogen by Oysters in Great Bay Piscataqua River Estuary, New Hampshire, USA. <i>Estuaries and Coasts</i> , 2020, 43, 23-38.	1.0	28
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49	Spatial differences in growth rate and nutrient mitigation of two co-cultivated, extractive species: The blue mussel (<i>Mytilus edulis</i>) and the kelp (<i>Saccharina latissima</i>). <i>Estuarine, Coastal and Shelf Science</i> , 2020, 246, 107019.	0.9	3
50	Lagoon Biogeochemical Processing is Reflected in Spatial Patterns of Sediment Stable Isotopic Ratios. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 874.	1.2	3
51	Behavioural responses to predators in Mediterranean mussels (<i>Mytilus galloprovincialis</i>) are unaffected by elevated pCO ₂ . <i>Marine Environmental Research</i> , 2020, 161, 105148.	1.1	15
52	Large Projected Population Loss of a Salt Marsh Bivalve (<i>Geukensia demissa</i>) from Sea Level Rise. <i>Wetlands</i> , 2020, 40, 1729-1738.	0.7	10
53	Facilitating Better Outcomes: How Positive Species Interactions Can Improve Oyster Reef Restoration. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	27
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56	Missing the full story: First estimates of carbon deposition rates for the European flat oyster, <i>Ostrea edulis</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 2076-2086.	0.9	22
57	Forty questions of importance to the policy and practice of native oyster reef restoration in Europe. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 2038-2049.	0.9	23
58	Microbial community and interspecies interaction during grazing of ark shell bivalve (<i>Scapharca</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Research, 2020, 158, 104956.	1.1	8
59	Eliciting expert judgment to inform management of diverse oyster resources for multiple ecosystem services. <i>Journal of Environmental Management</i> , 2020, 268, 110676.	3.8	4
60	Relative macrofaunal biomass reduced under an enriched salmon farm, Pelorus Sound, Aotearoa-New Zealand. <i>Marine Pollution Bulletin</i> , 2020, 157, 111303.	2.3	4
61	Estimating nitrogen removal services of eastern oyster (<i>Crassostrea virginica</i>) in Mobile Bay, Alabama. <i>Ecological Indicators</i> , 2020, 117, 106541.	2.6	5
62	Sediment-focused environmental impact of long-term large-scale marine bivalve and seaweed farming in Sungo Bay, China. <i>Aquaculture</i> , 2020, 528, 735561.	1.7	10
63	Assessing the natural capital value of water quality and climate regulation in temperate marine systems using a EUNIS biotope classification approach. <i>Science of the Total Environment</i> , 2020, 744, 140688.	3.9	18
64	The role of ecosystem services in the decision to grow oysters: A Maryland case study. <i>Aquaculture</i> , 2020, 529, 735633.	1.7	8
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66	Water filtration by burrowing sandprawns provides novel insights on endobenthic engineering and solutions for eutrophication. <i>Scientific Reports</i> , 2020, 10, 1913.	1.6	3
67	Biodiversity-Ecosystem Functioning (BEF) approach to further understanding aquaculture-environment interactions with application to bivalve culture and benthic ecosystems. <i>Reviews in Aquaculture</i> , 2020, 12, 2027-2041.	4.6	19
68	The value and opportunity of restoring Australia's lost rock oyster reefs. <i>Restoration Ecology</i> , 2020, 28, 304-314.	1.4	24
69	Benthic-based contributions to climate change mitigation and adaptation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190107.	1.8	30
70	Digestive microbiota of shrimp <i>Penaeus vannamei</i> and oyster <i>Crassostrea gigas</i> co-cultured in integrated multi-trophic aquaculture system. <i>Aquaculture</i> , 2020, 521, 735059.	1.7	24
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74	Evaluating the effect of air flow rate on hybrid and conventional membrane bioreactors: Implications on performance, microbial activity and membrane fouling. <i>Science of the Total Environment</i> , 2021, 755, 142563.	3.9	21
75	Meta-analysis of oyster impacts on coastal biogeochemistry. <i>Nature Sustainability</i> , 2021, 4, 261-269.	11.5	32
76	Juvenile Oyster (<i>Crassostrea virginica</i>) Biodeposits Contribute to a Rapid Rise in Sediment Nutrients on Restored Intertidal Oyster Reefs (Mosquito Lagoon, FL, USA). <i>Estuaries and Coasts</i> , 2021, 44, 1363-1379.	1.0	9
77	Aquatic invertebrate protein sources for long-duration space travel. <i>Life Sciences in Space Research</i> , 2021, 28, 1-10.	1.2	8
78	Ecolabels can improve public perception and farm profits for shellfish aquaculture. <i>Aquaculture Environment Interactions</i> , 2021, 13, 13-20.	0.7	8
79	Context-dependent carryover effects of hypoxia and warming in a coastal ecosystem engineer. <i>Ecological Applications</i> , 2021, 31, e02315.	1.8	14
80	Consumption rates vary based on the presence and type of oyster structure: A seasonal and latitudinal comparison. <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 536, 151501.	0.7	9
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82	Opportunities and Challenges for Including Oyster-Mediated Denitrification in Nitrogen Management Plans. <i>Estuaries and Coasts</i> , 2021, 44, 2041-2055.	1.0	15
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85	A Comparison of the Juvenile Dungeness Crab <i>Metacarcinus magister</i> Habitat Provided by Contemporary Oyster Aquaculture Versus Historical Native Oysters in a U.S. West Coast Estuary. <i>Journal of Shellfish Research</i> , 2021, 40, .	0.3	0
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89	Assembly of a Benthic Microbial Community in a Eutrophic Bay with a Long History of Oyster Culturing. <i>Microorganisms</i> , 2021, 9, 2019.	1.6	1
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#	ARTICLE	IF	CITATIONS
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94	When, Where, and How to Intervene? Tradeoffs Between Time and Costs in Coastal Nutrient Management. <i>Journal of the American Water Resources Association</i> , 2021, 57, 328-343.	1.0	5
95	Developing methods for assessing abundance and distribution of European oysters (<i>Ostrea edulis</i>) using towed video. <i>PLoS ONE</i> , 2017, 12, e0187870.	1.1	8
96	Evaluating Oyster Aquaculture's Cost-Effectiveness as a Nitrogen Removal Best Management Practice – A Case Study of the Delaware Inland Bays. <i>Journal of Ocean and Coastal Economics</i> , 2019, 6, .	0.1	2
97	Sustainable Oyster Aquaculture, Water Quality Improvement, and Ecosystem Service Value Potential in Maryland Chesapeake Bay. <i>Journal of Shellfish Research</i> , 2020, 39, 269.	0.3	17
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99	Short-term effects of nereid polychaete size and density on sediment inorganic nitrogen cycling under varying oxygen conditions. <i>Marine Ecology - Progress Series</i> , 2015, 524, 155-169.	0.9	14
100	Effects of age class on N removal capacity of oysters and implications for bioremediation. <i>Marine Ecology - Progress Series</i> , 2015, 528, 205-220.	0.9	11
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104	Restoring the flat oyster <i>Ostrea angasi</i> in the face of a changing climate. <i>Marine Ecology - Progress Series</i> , 2019, 625, 27-39.	0.9	12
106	The Aichi Biodiversity Targets: achievements for marine conservation and priorities beyond 2020. <i>PeerJ</i> , 2020, 8, e9743.	0.9	12
108	Oyster Economics: Costs, Returns, and Ecosystem Benefits of Commercial Bottom Production, Commercial Off-Bottom Aquaculture, and Non-Harvested Reefs. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
109	Temporal Dynamics of Eastern Oyster Larval Abundance in Great Bay Estuary, New Hampshire. <i>Journal of Shellfish Research</i> , 2022, 40, .	0.3	1
110	Low-cost remotely piloted aircraft system (RPAS) with multispectral sensor for mapping and classification of intertidal biogenic oyster reefs. <i>Aeronautics and Aerospace Open Access Journal</i> , 2020, 4, 148-154.	0.1	2

#	ARTICLE	IF	CITATIONS
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112	The impact of oyster aquaculture on the estuarine carbonate system. <i>Elementa</i> , 2022, 10, .	1.1	1
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120	Depuration of live oysters to reduce <i>Vibrio parahaemolyticus</i> and <i>Vibrio vulnificus</i> : A review of ecology and processing parameters. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 3480-3506.	5.9	11
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123	Invasive slipper limpets (<i>Crepidula fornicata</i>) act like a sink, rather than source, of <i>Vibrio</i> spp.. <i>Biological Invasions</i> , 2022, 24, 3647-3659.	1.2	2
124	Modelling the Spatial Distribution of Oyster (<i>Crassostrea virginica</i>) Biodeposits Settling from Suspended Aquaculture. <i>Estuaries and Coasts</i> , 0, , .	1.0	2
125	Energy Synthesis of Two Oyster Aquaculture Systems in Zhejiang Province, China. <i>Sustainability</i> , 2022, 14, 13876.	1.6	0
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127	Shellfish as a bioremediation tool: A review and meta-analysis. <i>Environmental Pollution</i> , 2023, 316, 120614.	3.7	1
128	Assessment of <i>Ostrea stentina</i> recruitment and performance in the Mar Menor lagoon (SE Spain). <i>Regional Studies in Marine Science</i> , 2023, 58, 102760.	0.4	1
129	Legacy of past exposure to hypoxia and warming regulates an ecosystem service provided by oysters. <i>Global Change Biology</i> , 2023, 29, 1328-1339.	4.2	3
130	Variations in ecosystem service provision of two functionally similar bivalve habitats. <i>New Zealand Journal of Marine and Freshwater Research</i> , 0, , 1-19.	0.8	0
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#	ARTICLE	IF	CITATIONS
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133	Rotational fishing enables biodiversity recovery and provides a model for oyster (<i>Ostrea edulis</i>) habitat restoration. <i>PLoS ONE</i> , 2023, 18, e0283345.	1.1	3
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