



## APPENDIX A

### PUBLICATIONS CITING OGL, OGL SAMPLES, OGL DATA, OR OGL AUTHORS

#### PEER REVIEWED PAPERS & BOOK CHAPTERS

1. Dong Y-W. Aquaculture Mapping in the Context of Climate Change. *Aquaculture Ecology* 2023. p. 473-90. [OGL data]
2. Torres-Conde EG. Is simultaneous arrival of pelagic *Sargassum* and *Physalia physalis* a new threat to the Atlantic coasts? *Estuarine, Coastal and Shelf Science*. 2022;275. [OGL data]
3. Kendig AE, Canavan S, Anderson PJ, Flory SL, Gettys LA, Gordon DR, et al. Scanning the horizon for invasive plant threats using a data-driven approach. *NeoBiota*. 2022;74:129-54. [OGL data]
4. Shen Y, Zhu G. First report on the burden and distribution of Cu, Zn, Pb, and Cd in the ocellated icefish (*Chionodraco rastrispinosus*) of northern Antarctic Peninsula. *Marine Pollution Bulletin*. 2022;182:113963. [OGL data]
5. Li L, Zhao L, Fu J, Sun B, Liu C. Predicting the habitat suitability for populations of Pacific cod under different climate change scenarios considering intraspecific genetic variation. *Ecological Indicators*. 2022;142. [OGL data]
6. Donahue MZ. Collections after retirement: Addressing the uncertain fate of a lifetime's work. *BioScience*. 2022;72(8):718-24. [OGL mentioned]
7. Borgelt J, Dorber M, Hoiberg MA, Verones F. More than half of data deficient species predicted to be threatened by extinction. *Communications Biology*. 2022;5(1):679. [OGL data]
8. Kopperud BT, Lidgard S, Liow LH. Enhancing georeferenced biodiversity inventories: automated information extraction from literature records reveal the gaps. *PeerJ*. 2022;10:e13921. [OGL data]
9. Yu S-E, Dong S-L, Zhang Z-X, Zhang Y-Y, Sarà G, Wang J, et al. Mapping the potential for offshore aquaculture of salmonids in the Yellow Sea. *Marine Life Science & Technology*. 2022;4(3):329-42. [OGL data]
10. da Silva NF, Parolin P, Piedade MTF, Lopes A. Flooding affects plant-plant interactions in tree seedlings from fertile Amazonian floodplains, Brazil. *Hydrobiologia*. 2022. [OGL data]
11. Annisa A, Omar SBA, Marasabessy F, Ernawati E, Kagiling R, Manangkalangi E, et al. Taxonomic Note on *Ellochelon vaigiensis* (Quoy & Gaimard, 1825) (Mugilidae: Mugiliformes) from West New Guinea, Indonesia. *Trends in Sciences*. 2022;19(17). [OGL data]

12. Toffelmier E, Beninde J, Shaffer HB. The phylogeny of California, and how it informs setting multi-species conservation priorities. *Journal of Heredity*. 2022. [OGL data]
13. Esperon-Rodriguez M, Tjoelker MG, Lenoir J, Baumgartner JB, Beaumont LJ, Nipperess DA, et al. Climate change increases global risk to urban forests. *Nature Climate Change*. 2022;12(10):950-5. [OGL data]
14. De Wysiecki AM, Irigoyen AJ, Cortés F, Bovcon ND, Milessi AC, Hozbor NM, et al. Population-scale habitat use by school sharks *Galeorhinus galeus* (Triakidae) in the Southwest Atlantic: insights from temporally explicit niche modelling and habitat associations. *Marine Ecology Progress Series*. 2022;697:81-95. [OGL data]
15. MacFadyen S, Allsopp N, Altwegg R, Archibald S, Botha J, Bradshaw K, et al. Drowning in data, thirsty for information and starved for understanding: A biodiversity information hub for cooperative environmental monitoring in South Africa. *Biological Conservation*. 2022;274. [OGL data]
16. Borges FO, Lopes VM, Amorim A, Santos CF, Costa PR, Rosa R. Projecting future climate change-mediated impacts in three paralytic shellfish toxins-producing dinoflagellate species. *Biology*. 2022;11(10). [OGL data]
17. Mancini F, Lillo AO, Bardelli R, Vizzini S, Mancinelli G. Variation in the stable isotope trophic position of the bluefish *Pomatomus saltatrix* (Linnaeus, 1766) from two Mediterranean sites: Insights from a global meta-analysis. *Mediterranean Marine Science*. 2022;23(4):850-63. [OGL data]
18. Teixeira MAL, Bakken T, Vieira PE, Langeneck J, Sampieri BR, Kasapidis P, et al. The curious and intricate case of the European *Hediste diversicolor* (Annelida, Nereididae) species complex, with description of two new species. *Systematics and Biodiversity*. 2022;20(1). [OGL data]
19. Wu R, Guan J-Y, Wu J-G, Ju X-F, An Q-H, Zheng J-H. Predictions based on different climate change scenarios: The habitat of typical locust species is shrinking in Kazakhstan and Xinjiang, China. *Insects*. 2022;13(10). [OGL data]
20. Zhang X. Predicting global seasonal distributions and population exchange routes of a Critically Endangered shark. *Biological Conservation*. 2022;275. [OGL data]
21. Lal MM, Brown KT, Chand P, Pickering TD. An assessment of the aquaculture potential of indigenous freshwater food fish of Fiji, Papua New Guinea, Vanuatu, Solomon Islands, Samoa and Tonga as alternatives to farming of tilapia. *Reviews in Aquaculture*. 2022. [OGL data]
22. Altamia MA, Distel DL. Transport of symbiont-encoded cellulases from the gill to the gut of shipworms via the enigmatic ducts of *Deshayes*: a 174-year mystery solved. *Proceedings of the Royal Society B: Biological Sciences*. 2022;289(1986):20221478. [OGL author(s); samples accessioned into OGL]
23. Moreno I, Gippet JMW, Fumagalli L, Stephenson PJ. Factors affecting the availability of data on East African wildlife: The monitoring needs of conservationists are not being met. *Biodiversity and Conservation*. 2022. [OGL data]

24. Boyle BL, Maitner BS, Barbosa GGC, Sajja RK, Feng X, Merow C, et al. Geographic name resolution service: A tool for the standardization and indexing of world political division names, with applications to species distribution modeling. *PLoS One*. 2022;17(11):e0268162. [**OGL data**]
25. Park DS, Xie Y, Thammavong HT, Tulaiha R, Feng X. Artificial Hotspot Occurrence Inventory (AHOI). *Journal of Biogeography*. 2022. [**OGL data**]
26. Troia MJ. Magnitude–duration relationships of physiological sensitivity and environmental exposure improve climate change vulnerability assessments. *Ecography*. 2022. [**OGL data**]
27. Davron D, Temur A, Umida T, Sari I, Komiljon TS. Suitable habitat prediction with a huge set of variables on some central Asian tulips. *Journal of Asia-Pacific Biodiversity*. 2022. [**OGL data**]
28. Shaffer JP, Nothias LF, Thompson LR, Sanders JG, Salido RA, Couvillion SP, et al. Standardized multi-omics of Earth's microbiomes reveals microbial and metabolite diversity. *Nature Microbiology*. 2022;7(12):2128-50. [**OGL author(s); samples provided by OGL**]
29. David KT. Global gradients in the distribution of animal polyploids. *Proceedings of the National Academy of Sciences of the United States of America*. 2022;119(48):e2214070119. [**OGL data**]
30. Fassio G, Stefani M, Russini V, Buge B, Bouchet P, Treneman N, et al. Neither slugs nor snails: A molecular reappraisal of the gastropod family Velutinidae. *Zoological Journal of the Linnean Society*. 2022;XX:1-41. [**OGL mentioned**]
31. Nori J, Prieto-Torres DA, Villalobos F, Loyola R, Rojas-Soto O, Parra JL, et al. Contrasting biogeographical patterns of threatened vertebrates on islands emerge from disparities between expert-derived maps and Global Biodiversity Information Facility data. *Journal of Biogeography*. 2022. [**OGL data**]
32. Benham PM, Bowie RCK. Natural history collections as a resource for conservation genomics: Understanding the past to preserve the future. *Journal of Heredity*. 2022. [**OGL mentioned**]
33. O'Brien KM, Crockett EL, Adams BJ, Amsler CD, Appiah-Madson HJ, Collins A, et al. The time is right for an Antarctic biorepository network. *Proceedings of the National Academy of Sciences of the United States of America*. 2022;119(50):e2212800119. [**OGL author(s)**]
34. Zamani A, Vahtera V, Sääksjärvi IE, Carvalho LS. The effect of sampling bias on evaluating the diversity and distribution patterns of Iranian spiders (Arachnida: Araneae). *Diversity*. 2022;15(1). [**OGL data**]
35. Cano-Barbacid C, Radinger J, Olden JD, García-Berthou E. Estimates of niche position and breadth vary across spatial scales for native and alien inland fishes. *Global Ecology and Biogeography*. 2022. [**OGL data**]
36. Dengler J, Jansen F, Chusova O, Hüllbusch E, Nobis MP, Van Meerbeek K, et al. Ecological Indicator Values for Europe (EIVE) 1.0. *Vegetation Classification and Survey*. 2023;4:7-29. [**OGL data**]

37. Klughammer J, Romanovskaia D, Nemeš A, Posautz A, Seid CA, Schuster LC, et al. Comparative analysis of genome-scale, base-resolution DNA methylation profiles across 580 animal species. *Nature Communications*. 2023;14(1):232. [OGL author(s); samples provided by OGL]
38. Pomeroy AWM, Ghisalberti M, Peterson M, Farooji VE. A framework to quantify flow through coral reefs of varying coral cover and morphology. *PLoS One*. 2023;18(1):e0279623. [OGL data]
39. Zhang Y-Y, Yu S-E, Wang W-L, Yang L-E, Lu Q-Q, Xie C-T, et al. Temperature sensitivity of marine macroalgae for aquaculture in China. *Aquaculture*. 2023;567. [OGL data]
40. DeSanctis ML, Soranno EA, Messner E, Wang Z, Turner EM, Falco R, et al. Greater than pH 8: The pH dependence of EDTA as a preservative of high molecular weight DNA in biological samples. *PLoS One*. 2023;18(1):e0280807. [OGL author(s); samples accessioned into OGL]
41. Granja-Fernández R, Maya-Alvarado B, Rodríguez-Zaragoza FA, López-Pérez A. Ophiuroidea (Echinodermata) diversity partitioning across the eastern tropical Pacific. *Regional Studies in Marine Science*. 2023;60. [OGL data]
42. Spillias S, Valin H, Batka M, Sperling F, Havlík P, Leclère D, et al. Reducing global land-use pressures with seaweed farming. *Nature Sustainability*. 2023. [OGL data]
43. Petrosyan V, Osipov F, Feniova I, Dergunova N, Warshavsky A, Khlyap L, et al. The TOP-100 most dangerous invasive alien species in Northern Eurasia: Invasion trends and species distribution modelling. *NeoBiota*. 2023;82:23-56. [OGL data]
44. Hernández S, García AG, Arenas F, Escribano MP, Jueterbock A, De Clerck O, et al. Range-edge populations of seaweeds show niche unfilling and poor adaptation to increased temperatures. *Journal of Biogeography*. 2023;50(4):780-91. [OGL data]
45. Boyse E, Beger M, Valsecchi E, Goodman SJ. Sampling from commercial vessel routes can capture marine biodiversity distributions effectively. *Ecology and Evolution*. 2023;13(2):e9810. [OGL data]
46. Chowdhury S, Zalucki MP, Hanson JO, Tiatragul S, Green D, Watson JEM, et al. Three-quarters of insect species are insufficiently represented by protected areas. *One Earth*. 2023;6(2):139-46. [OGL data]
47. Monchamp M-E, Taranu ZE, Garner RE, Rehill T, Morissette O, Iversen LL, et al. Prioritizing taxa for genetic reference database development to advance inland water conservation. *Biological Conservation*. 2023;280. [OGL data]
48. Xin Y, Yang Z, Du Y, Cui R, Xi Y, Liu X. Vulnerability of protected areas to future climate change, land use modification, and biological invasions in China. *Ecological Applications*. 2023:e2831. [OGL data]
49. Mod HK, Rissanen T, Niittynen P, Soininen J, Luoto M. The relationships of plant species occupancy to niches and traits vary with spatial scale. *Journal of Biogeography*. 2023;50(6):1013-25. [OGL data]

50. Chaudhary C, Alfaro-Lucas JM, Simões MVP, Brandt A, Saeedi H. Potential geographic shifts in the coral reef ecosystem under climate change. *Progress in Oceanography*. 2023;213. [OGL data]
51. Angela C. Bartlett, Tim M. Blackburn, Rod Randall, Catford JA. Characteristics of Australia's alien flora vary with invasion stage. 2023:15. [OGL data]
52. Corrales C, Astrin JJ. Biodiversity biobanking: A handbook on protocols and practices. Sofia, Bulgaria: Pensoft; 2023. [OGL mentioned]
53. Moreira H, Kuipers KJJ, Posthuma L, Zijp MC, Hauck M, Huijbregts MAJ, et al. Threats of land use to the global diversity of vascular plants. *Diversity and Distributions*. 2023:10. [OGL data]
54. Clemente KJE, Thomsen MS. High temperature frequently increases facilitation between aquatic foundation species: A global meta-analysis of interaction experiments between angiosperms, seaweeds and bivalves. *Journal of Ecology*. 2023:22. [OGL data]
55. Xu W-B, Blowes SA, Brambilla V, Chow CFY, Fontrodona-Eslava A, Martins IS, et al. Regional occupancy increases for widespread species but decreases for narrowly distributed species in metacommunity time series. *Nature Communications*. 2023;14(1):1463. [OGL data]
56. Ishengoma E. Vertebrate genomics and adaptation—status and prospects in Africa. *Molecular Ecology*. 2023. [OGL data]
57. Johnson KR, Owens IFP. A global approach for natural history museum collections. *Science*. 2023;379(6638):1192-4. [OGL data]
58. Contreras-Díaz RG, Nori J, Chiappa-Carrara X, Peterson AT, Soberón J, Osorio-Olvera L. Well-intentioned initiatives hinder understanding biodiversity conservation: Cloaked iNaturalist information for threatened species. *Biological Conservation*. 2023;282:9. [OGL data]
59. Rodríguez-Rey M, Whittaker B. The global ecological niche of lumpfish (*Cyclopterus lumpus*) and predicted range shifts under climate change. *Hydrobiologia*. 2023;850(9):2089-100. [OGL data]
60. Mendoza-Portillo V, Garcia-De Leon FJ, von der Heyden S. Responses of population structure and genomic diversity to climate change and fishing pressure in a pelagic fish. *Global Change Biology*. 2023. [OGL data]
61. Daru BH, Rodríguez J. Mass production of unvouchered records fails to represent global biodiversity patterns. *Nature Ecology & Evolution*. 2023. [OGL data]
62. Moura MR, do Nascimento FAO, Paolucci LN, Silva DP, Santos BA. Pervasive impacts of climate change on the woodiness and ecological generalism of dry forest plant assemblages. *Journal of Ecology*. 2023:1-15. [OGL data]
63. Nava-Bolaños A, Prieto-Torres DA, Osorio-Olvera L, Soberón J, Arizmendi MdC, Navarro-Sigüenza AG. Critical areas for pollinator conservation in Mexico: A cross-border priority. *Biological Conservation*. 2023;283. [OGL data]
64. Ramiro-Sánchez B, Martin A, Leroy B. The epitome of data paucity: Deep-sea habitats of the Southern Indian Ocean. *Biological Conservation*. 2023;283. [OGL data]

65. García-Roselló E, González-Dacosta J, Lobo JM. The biased distribution of existing information on biodiversity hinders its use in conservation, and we need an integrative approach to act urgently. *Biological Conservation*. 2023;283. [OGL data]
66. Santi I, Beluche O, Beraud M, Buttigieg PL, Casotti R, Cox CJ, et al. European marine omics biodiversity observation network: a strategic outline for the implementation of omics approaches in ocean observation. *Frontiers in Marine Science*. 2023;10. [OGL mentioned]
67. Bonnet-Lebrun A-S, Sweetlove M, Griffiths HJ, Sumner M, Provoost P, Raymond B, et al. Opportunities and limitations of large open biodiversity occurrence databases in the context of a Marine Ecosystem Assessment of the Southern Ocean. *Frontiers in Marine Science*. 2023;10. [OGL data]
68. Policante A, Borg E. Mining the ocean genome: Global bioprospecting expeditions and genomic extractivism on the oceanic frontier. *Archivio antropologico mediterraneo*. 2023;25(1). [OGL mentioned]
69. Oliver RY, Iannarilli F, Ahumada J, Fegraus E, Flores N, Kays R, et al. Camera trapping expands the view into global biodiversity and its change. *Philosophical Transactions B*. 2023;378(1881). [OGL data]
70. Stephens RE, Gallagher RV, Dun L, Cornwell W, Sauquet H. Insect pollination for most of angiosperm evolutionary history. *New Phytologist*. 2023. [OGL data]
71. Alfaro-Lucas JM, Chaudhary C, Brandt A, Saeedi H. Species composition comparisons and relationships of Arctic marine ecoregions. *Deep Sea Research Part I: Oceanographic Research Papers*. 2023;198. [OGL data]
72. Espinosa-Novo N, Giménez L, Boersma M, Torres G. On their way to the north: Larval performance of *Hemigrapsus sanguineus* invasive to the European coast—a comparison with the native European population of *Carcinus maenas*. *Biological Invasions*. 2023. [OGL data]
73. Harnessing the blue economy by expanding ocean exploration. The Oceanography Society. 2023. [OGL mentioned]
74. de la Barra P, Pereyra PJ, Gastaldi M, Saad JF, Rodríguez EA, Narvarte MA, et al. Intertidal populations of *Ulva spp.* and *Undaria pinnatifida* are good habitat providers for invertebrates but not for fish. *Marine Biology*. 2023;170(8). [OGL data]
75. Park DS, Feng X, Akiyama S, Ardiyani M, Avendano N, Barina Z, et al. The colonial legacy of herbaria. *Nature Human Behaviour*. 2023. [OGL data]
76. Bonnamour A, Blake RE, Liebhold AM, Nahrung HF, Roques A, Turner RM, et al. Historical plant introductions predict current insect invasions. *Proceedings of the National Academy of Sciences of the United States of America*. 2023;120(24):e2221826120. [OGL data]

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PUBLISHED PREPRINTS

1. Agarwala KP, Somani S, Raveendran B, Surveswaran S. Molecular phylogeny of *Lepidagathis* sensu lato with notes on its biogeography and subgenus *Lophostachys*. Research Square. 2023:1-19. [OGL data]
2. Boyse E, Goodman SJ, Beger M. Marine predator spatial conservation priorities are taxon-specific. bioRxiv. 2023. [OGL data]
3. Figueroa HF, Grady CJ, Cortez MBdS, Beach J, Stewart A, Soltis DE, et al. Land use changes result in increased phylogenetic clustering and preferential loss of species-rich sites for Michigan. Research Square. 2023. [OGL data]
4. Figuerola B, Griffiths HJ, Krzeminska M, Piwoni-Piorewicz A, Iglukowska A, Kuklinski P. Temperature as a likely driver shaping global patterns in mineralogical compositions in bryozoans: Implications for marine calcifiers under Global Change. bioRxiv. 2022. [OGL data]
5. Pizarro V, Castillo A, Piñones A, Samaniego H. Spatial and temporal representation of marine fish occurrence. bioRxiv. 2023:29. [OGL data]
6. Poppenwimer T, Mayrose I, DeMalach N. Revising the global biogeography of plant life cycles. bioRxiv. 2022. [OGL data]
7. Speare L, Distel DL. Cultivation and fluorescent in situ hybridization suggest that some shipworm species acquire endosymbiotic bacteria through indirect horizontal transmission. bioRxiv. 2022. [OGL author(s), samples accessioned into OGL]
8. Corrales C, Luciano S, Astrin JJ. Biodiversity biobanks: A landscape analysis. ARPHA Preprints. 2023. [OGL mentioned]
9. Arlé E, Knight T, Jiménez-Muñoz M, Biancolini D, Belmaker J, Meyer C. The cumulative niche approach: A framework to assess the performance of ecological niche model projections. Authorea. 2023:1-17. [OGL data]

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## DISSERTATIONS & THESES

1. Maimela LT. Conservation implication of rainbow trout (*Oncorhynchus mykiss*) invasions in the upper Blyde Rivers system, South Africa [Dissertation]. Pretoria, South Africa: University of Pretoria; 2023. [OGL data]
2. Ewes T. A global analysis of changes in invertebrate species richness with area: Deriving global species-area relationships from ecoregional species richness using occurrence records from the GBIF database [Thesis]. Heerlen, The Netherlands: Open Universiteit; 2023. [OGL data]
3. Hemming J. Decrease over time in Shannon diversity of land snails [Thesis]. Gothenburg, Sweden: University of Gothenburg; 2023. [OGL data]
4. Lund PK. Host-microbe interactions in non-native estuarine anemones: Biogeography and temperature [Thesis]. Humboldt, California, United States of America: California State Polytechnic University; 2023. [OGL data]

5. Gomes dos Santos AM. Margaritiferidae: From "pearls" to genome [Thesis]. Porto, Portugal: Universidade do Porto; 2023. **[OGL mentioned]**

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## DATASETS

1. Poelen J. Global Biodiversity Information Facility (GBIF): An exhaustive list of GBIF record IDs, dataset keys, and their associated Occurrence IDs, Institution Code, Collection Codes and Catalog Numbers.  
hash://sha256/ea88f03a7bfd1ba853fdbea3203d54ab81ac3cdc8e8da7c96bbbba9c4b05d933 hash://md5/c49fe34785354847b37ea4509261e130. 0.1 ed. Zenodo 2023. **[OGL data]**

## APPENDIX B

### PRESENTATIONS

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#### PRESENTATIONS ABOUT OGL

1. Appiah-Madson HJ, Falco Poulin R, Distel DL. Ocean Genome Legacy: A genomic resource repository for marine life. Northeastern University and Woods Hole Oceanographic Institution Research Exchange: Northeastern University, Boston, Massachusetts, United States of America; 2023. **[Poster presentation]**
2. Anderson Z. Collection, icefish, and a 30-year-young ocean. Undergraduate Research Symposium Spring 2023: Northeastern University, Nahant, Massachusetts, United States of America; 2023. **[Oral presentation]**

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#### PRESENTATIONS ABOUT OGL APPLIED RESEARCH

1. Pierce C. The effects of EDTA and EtOH on preservation of high molecular weight DNA in marine tissue. Undergraduate Research Symposium Fall 2022: Northeastern University, Nahant, Massachusetts, United States of America; 2022. **[Oral presentation]**
2. Messner E. Thawing frozen tissue into EDTA to improved DNA quality. Undergraduate Research Symposium Fall 2022: Northeastern University, Nahant, Massachusetts, United States of America; 2022. **[Oral presentation]**
3. Becker Y, Messner E, Wang Z, Pierce C, Johnson M, Falco Poulin R, et al. Archival-quality lobster DNA: Testing the efficacy of EDTA- and ethanol-based preservative solutions. Research, Innovation and Scholarship Expo: Northeastern University, Boston, Massachusetts, United States of America; 2023. **[Poster presentation]**
4. Messner E, DeSanctis ML, Soranno EA, Falco Poulin R, Appiah-Madson HJ, Distel DL. Thawing frozen tissue into EDTA decreases DNA degradation. Research, Innovation and Scholarship Expo: Northeastern University, Boston, Massachusetts, United States of America; 2023. **[Poster presentation]**
5. Shah P, Appiah-Madson HJ, Falco Poulin R, Distel DL, Mueller A. Leveraging machine learning and statistics to enable fast on-site fish species identification. Research, Innovation and Scholarship



Expo: Northeastern University, Boston, Massachusetts, United States of America; 2023. [**Poster presentation**]

6. DeSanctis M, Soranno EA, Messner E, Wang Z, Turner E, Falco R, et al. DNA preservation methods for genomic resources: Increasing pH of EDTA-based DNA preservative solutions improves the quality of DNA recovered. Society for the Preservation of Natural History Collections Annual Meeting: San Francisco, California, United States of America; 2023. [**Oral presentation**]
7. Messner E, Johnson M, Becker Y, DeSanctis M, Pierce C, Soranno EA, et al. DNA preservation methods for genomic resources: Treatment of frozen fish tissue with EDTA improves the quality of DNA recovered. Society for the Preservation of Natural History Collections Annual Meeting: San Francisco, California, United States of America; 2023. [**Oral presentation**]
8. Johnson M. EDTA, EtOH, and NaCl: The inhibition of nucleases for the preservation of marine species DNA. Undergraduate Research Symposium Spring 2023: Northeastern University, Nahant, Massachusetts, United States of America; 2023. [**Oral presentation**]

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#### PRESENTATIONS ABOUT OGL BASIC RESEARCH

1. Distel DL. Life in an ancient undersea forest: The secrets of a marine ecosystem powered by wood. Darwin Festival 2023: Salem State University, Salem, Massachusetts, United States of America; 2023. [**Oral presentation**]
2. Distel DL. Marine symbioses powered by wood. Invited talk: University of Vienna, Center for Microbiology and Environmental Systems Science, Vienna, Austria; 2023. [**Oral presentation**]

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#### BIOREPOSITORY MEETINGS & WORKING GROUPS ATTENDED BY OGL STAFF

1. BioDigiCon Biodiversity Digitization Conference 2022: Zoom; 2022.
2. Envisioning a Biological Collections Action Center Webinar Series: Zoom; 2023.
3. GGBN Biobank Procedures Task Force meeting: Zoom; 2023.

## APPENDIX C

### EDUCATION & OUTREACH

- External Affairs Retreat (July 2022)
  - **IMPACTS:** Dan Distel addressed approximately 50 members of the Northeastern University External Affairs Department about OGL, followed by a Q&A session at their Annual Retreat held at the Marine Science Center.
- Coastal Ocean Science Academy (August 2022)
  - **IMPACTS:** OGL staff and students reached 14 middle school and 12 high school students with the following workshops: 'Fish Forensics: Who's that Fish', 'Snow Pea DNA Extraction', 'DNA Bracelet', 'OGL Specimen Show-and-Tell', and 'Life in the Alabama Undersea Forest'.
- Assisted with MSC Field Trips (October 2022)
  - **IMPACTS:** OGL staff and students reached 85 and 21 high school students by providing field identification assistance during field trips and discussing the importance of biorepositories, respectively.
- Massachusetts Association of Science Teachers (November 2022)
  - **IMPACTS:** Northeastern University Marine Science Center Outreach Coordinator Sierra Muñoz reached 45 local educators with OGL's 'DNA Bracelet' workshop and a *Meet the Researcher* video from OGL Don Comb Research Scholar Ella Messner.
- OGL and Outreach sponsored 2 Undergraduate Research Symposia (December 2022 and June 2023)
  - **IMPACTS:** Provided a forum for 15 undergraduate students from the Coastal Sustainability Institute, Marine and Environmental Science Department, and Marine Science Center communities to present their work.
- 'DNA Bracelet' Education Module (December 2022)
  - **IMPACTS:** Published this module to the OGL website for public access and presented it to more than 100 educators at 2 conferences.
- High School Marine Science Symposium (March 2023)
  - **IMPACTS:** OGL staff and students presented 'Fish Forensics: Who's that Fish' and the brand new 'What is a biorepository?' workshops to more than 120 local high school students.
- Massachusetts Marine Educators Annual Meeting (May 2023)

- **IMPACTS:** Northeastern University Marine Science Center Outreach Coordinator Sierra Muñoz reached 60 local educators with OGL's 'DNA Bracelet' workshop and a *Meet the Researcher* video from OGL Don Comb Research Scholar Ella Messner.
- Tours of OGL for the public (October and November 2022), Three Seas students (July 2022), incoming graduate students (September 2022), and local high school students (November 2022)
  - **IMPACTS:** Provided 72 students and members of the public a behind-the-scenes look at the OGL operation.
- New OGL–Outreach Integration (March–June 2023)
  - **IMPACTS:** OGL Collections Assistant Co-op Zachary Anderson introduced 1,017 K–12 students to the OGL mission through 14 outreach events.

## APPENDIX D

### OGL IN THE MEDIA

#### MEDIA MENTIONS

1. Conti M. [Northeastern wins court decision in plan to expand Marine Science Center on its Nahant property.](#) News@Northeastern. 2022-09-20.
2. Shaivitz G. [Looking at fish identification through a data lens.](#) SIRF. 2022-11-09.
3. McCormick Hibbert C. [Shipworms can chew through a boat. Northeastern researchers explain their digestive process.](#) News@Northeastern. 2022-11-23.
4. Abbott R. [New DNA preservation technique – leading the way for researchers everywhere.](#) NU Climate Justice and Sustainability Hub Blog. 2023-02-17.
5. McCormick Hibbert C. [‘There are big researchers here!’ Marine science symposium gives high school students an opportunity to see Northeastern scientists at work.](#) Northeastern Global News. 2023-03-09.

#### OGL NEWS BRIEFS

1. Distel DL. [Going deep on the mitochondrial genome.](#) OGL News Briefs. 2022-07-11.
2. Appiah-Madson HJ, Distel DL. [New collaboration samples African marine biodiversity.](#) OGL News Briefs. 2022-09-13.
3. Appiah-Madson HJ, Distel DL. [Experience the wonder of Alabama’s Undersea Forest!](#) OGL News Briefs. 2022-10-31.
4. Distel DL. [A new paper from OGL solves an old mystery.](#) OGL News Briefs. 2022-11-30.
5. Distel DL. [The time is right for an Antarctic biorepository!](#) OGL News Briefs. 2022-12-20.
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