## APPENDIX A

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

### PEER REVIEWED PAPERS & BOOK CHAPTERS


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]


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]


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]


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]


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]


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]


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]


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]


73. Harnessing the blue economy by expanding ocean exploration. The Oceanography Society. 2023. [OGL mentioned]


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]


**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]


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]

**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/ea88f03a7b91ba853fbdbea3203d54ab81ac3cdc8e8da7c96b999a9c4b05d9 33 hash://md5/c49fe34785354847b37ea45b9261e130. 0.1 ed. Zenodo 2023. [OGL data]

**APPENDIX B**

**PRESENTATIONS**

**PRESENTATIONS ABOUT OGL**


2. Anderson Z. Collection, icefish, and a 30-year-old ocean. Undergraduate Research Symposium Spring 2023: Northeastern University, Nahant, Massachusetts, United States of America; 2023. [Oral presentation]

**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]


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]

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]

BIOREPOSITORY MEETINGS & WORKING GROUPS ATTENDED BY OGL STAFF


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.


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


5. Distel DL. The time is right for an Antarctic biorepository! OGL News Briefs. 2022-12-20.


10. Distel DL. UN reaches historic high seas agreement. OGL News Briefs. 2023-03-08.

11. Appiah-Madson HJ, Distel DL. The Ocean Genome Legacy Center partners with 1% for the Planet. OGL News Briefs—Website Only. 2023-05-16.

**OGL VIDEOS**


2. Distel DL. *Life in an ancient undersea forest the secrets of a marine ecosystem powered by wood.* Ocean Genome Legacy’s YouTube Channel. 2023-03-02.