

I am currently an Ocean Frontier Institute **postdoctoral fellow**, jointly affiliated with Dalhousie University in Halifax, Canada, and Woods Hole Oceanographic Institution in Woods Hole, USA working on assessing ocean warming effects on shifting fisheries catches in the NW Atlantic Ocean. I hold PhD, MSc, and BSc degrees from the **Aristotle University of Thessaloniki (AUTH)**, Greece. My research focuses on **marine fisheries ecology**, in particular ecosystem **modeling**, fish **stock assessments**, marine **protected areas** and the benefits of **fishing restrictions** on marine populations, as well as the effect of fishing and environmental changes on **marine ecosystems**. I have participated in **7 national and international research projects** and have published **35 peer-reviewed** journal articles that have been cited **1051 times**. I serve as a **reviewer for 20 scientific journals**, and I have **co-edited a special issue** on “Fishes in a **warming** and deoxygenating world” for the journal *Environmental Biology of Fishes* with Prof. Daniel Pauly, published in October 2022. I have been **teaching** in undergraduate and graduate courses and workshops, and I have provided **volunteer** work in environmental NGOs.

EDUCATIONAL BACKGROUND

- 2020** **PhD Fisheries biology and management** (*Excellent with distinction*), School of Biology, AUTH.
2015 **MSc Hydrobiology and Aquaculture** (*Grade 9.58/10*), School of Biology AUTH.
2011 **BSc Biology** (*Grade 8.19/10*), School of Biology AUTH.

THESES

- PhD** **Dimarchopoulou D** (2020) Ecosystem approach to fisheries management in the Aegean Sea. Doctoral dissertation. Laboratory of Ichthyology, Department of Zoology, School of Biology, AUTH (*Supervisor: Associate Professor Athanassios Tsikliras*).
- MSc** **Dimarchopoulou D** (2015) Spatial biodiversity patterns in a semi-submerged marine cave using image processing of photographic quadrat samples. Department of Zoology, School of Biology, AUTH (*Supervisor: Professor Eleni Voultziadou*).
- BSc** **Dimarchopoulou D** (2011) The Porifera collection of the AUTH Zoological Museum: organization and potential use in research and education. Department of Zoology, School of Biology, AUTH (*Supervisor: Associate Professor Eleni Voultziadou*).

EMPLOYMENT RECORD

- 2023-now** **Harvard University, USA:** Independent consultant/contractor. (*2 years*)
2022-now **Dalhousie University (Dal), Canada; Woods Hole Oceanographic Institution (WHOI), USA:** Postdoctoral researcher. (*2 years*)
2020-22 **University of Rhode Island (URI), USA:** Postdoctoral researcher. (*2 years*)
2019 **Hellenic Center for Marine Research (HCMR), Greece:** Research associate. (*3 months*)
2016-20 **Aristotle University of Thessaloniki (AUTH), Greece:** PhD student and researcher. (*5 years*)

WORK EXPERIENCE IN RESEARCH PROJECTS

- 2023** **Gulf of Maine fisheries (MIT Sea Grant): Data driven, causal discovery of the effects of climate change, ocean acidification and management in fish stocks**, Harvard University. (*2 years*)
- 2020** **Indonesian fisheries (private funding): Building dynamic population models for sustainable management of Indonesia’s deep demersal fisheries**, Yayasan Konservasi Alam Nusantara & University of Rhode Island. (*2 years*)
- 2019** **FishFish2 (private funding): Assessing the status of fisheries stocks in Alonissos and monitoring of the fishing fleet**, Thalassa Foundation NGO and AUTH. (*6 months*)
- 2019** **CLIMAFISH (national grant): Climate change and fisheries impacts on small pelagic fish: dynamic, spatially explicit models in the service of the ecosystem-based fisheries management**, Hellenic Center for Marine Research (HCMR) and AUTH. (*3 months*)
- 2017** **ODYSSEA (Horizon 2020): Operating a Network of Integrated Observatory Systems in the Mediterranean Sea**, Democritus University of Thrace and AUTH. (*3 years*)
- 2017** **FishFish (private funding): Fish and Fishers in Alonissos**, Thalassa Foundation NGO and AUTH.
- 2016** **PROTOMEDEA (EU DG Mare Grant): Towards the establishment of marine protected area networks in the eastern Mediterranean**, HCMR and AUTH. (*3 years*)
- 2016** **O-CMSY (private funding): Exploitation and status of European stocks**, GEOMAR Helmholtz Centre for

Ocean Research Kiel and AUTH. (6 months)

AWARDS AND SCHOLARSHIPS

- 2022** **Two-year international postdoctoral fellowship**, granted by the Ocean Frontier Institute, at Dalhousie University, Canada (supervisors: *Heike Lotze, Boris Worm*) and Woods Hole Oceanographic Institution, USA (supervisors: *Jesús Pineda, Rubao Ji*). [*\$150,000 CAD*]
- 2018** **FAO-GFCM Travel Award**, to attend the GFCM Fish Forum 2018. [*€1,500*]
- 2018** **Best oral presentation**, at the 12th Panhellenic Symposium of Oceanography & Fisheries.
- 2015** **Erasmus+ traineeship scholar**, at the Institute of Marine Sciences in Barcelona, Spain (supervisor: *Joaquim Garrabou*). [*€1,200*]
- 2014** **Rewarding scholarship**, at the School of Biology, AUTH. [*€1,500*]
- 2010** **LLP-Erasmus scholar**, at the University of Manchester in Manchester, UK. [*€1,600*]
- 2005** **General Secretariat for Youth scholar**, Greek Republic, Ministry of Education, Lifelong Learning & Religious Affairs. [*€1,500*]

FUNDING ACQUISITION

- 2023** **Elevator pitches for labs: Building hands-on tools to communicate lab-based research**, funded by Woods Hole Sea Grant: I co-led the proposal that aims at facilitating laboratory-based science communication to non-specialists (e.g., laypeople, K-12 students, community college students of all socio-economic backgrounds) by building portable lab demonstrations and hands-on activities that communicate lab-based science in an accessible, inclusive manner. [*\$3,358 USD*]
- 2022** **Data driven, causal discovery of the effects of climate change, ocean acidification and management on fish and invertebrate stocks**, funded by the MIT Sea Grant: I wrote the part of the proposal pertaining to the effects of climate change on fisheries stocks and the sources for species abundance and distribution data. The proposal was co-led by Professor Petros Koumoutsakos at Harvard University, USA. [*\$37,000 USD*]
- 2021** **Eco-centric management for sustainable fisheries and healthy marine ecosystems**, funded by the European Commission: I wrote part of the introduction and project implementation of the proposal, as well as the part regarding fisheries, stock assessments, and ecosystem modeling in eight European water case studies. The proposal was led by Professor Athanassios Tsikliras at the Aristotle University of Thessaloniki, Greece. I am also part of the Project Executive Board serving as a Technical Manager. [*€8 million*]
- 2017** **Operating a Network of Integrated Observatory Systems in the Mediterranean Sea**, funded by the European Commission: I wrote the part of the proposal regarding fisheries, stock assessments, and ecosystem modeling in regional observatories dispersed throughout the Mediterranean Sea. The proposal was led by Professor Georgios Sylaios at Democritus University of Thrace, Greece. [*€8 million*]

PEER-REVIEWED PUBLICATIONS

**mentored students*

Submitted

- 37.** Touloumis K, Tsikliras AC, **Dimarchopoulou D** (submitted) The cascading effect of fishing down marine top predators in the northeastern Mediterranean Sea.
- 36.** Lavin CP*, Pauly D, Gordó-Vilaseca C, Costello MJ, **Dimarchopoulou D** (submitted) Fisheries catch and research data show increased abundance of warm-water fishes in the Norwegian and Barents Sea in line with ocean warming.

2024

- 35.** **Dimarchopoulou D**, Keramidas I*, Tsagarakis K, Markantonatou V, Halouani G, Tsikliras AC (2024) Spatiotemporal fishing effort simulations and restriction scenarios in Thermaikos Gulf, Greece (northeastern Mediterranean Sea). *Ocean and Coastal Management* 247: 106914.

2023

- 34.** Froese R, Winker H, Coro G, Palomares MLD, Tsikliras AC, **Dimarchopoulou D**, Touloumis K, Demirel N, Vianna

- GMS, Scarcella G, Schijns R, Liang C, Pauly D (2023) New developments in the analysis of catch time series as the basis for fish stock assessments: The CMSY++ method. *Acta Ichthyologica et Piscatoria* 53: 173-189.
33. Abucay LR, Sorongon-Yap P, Kesner-Reyes K, Capuli EC, Reyes RB, Daskalaki E, Ferrà C, Scarcella G, Coro G, Ordines F, Sánchez-Zulueta P, Daskalov GM, Klayn S, Celie L, Scotti M, Grémillet D, Lambert C, Gal G, Palomares MLD, **Dimarchopoulou D**, Tsikliras AC (2023) Scientific knowledge gaps on the biology of non-fish marine species across European Seas. *Frontiers in Marine Science* 10: 1198137.
32. **Dimarchopoulou D**, Wibisono E, Saul S, Carvalho P, Nugraha A, Mous PJ, Humphries AT (2023) Combining catch-based indicators suggests overexploitation and poor status of Indonesia's deep demersal fish stocks. *Fisheries Research* 268: 106854.
31. Lavin CP*, Pauly D, **Dimarchopoulou D**, Liang C, Costello MJ (2023) Fishery catch is affected by geographic expansion, fishing down food webs and climate change in Aotearoa, New Zealand. *PeerJ* 11: e16070.
30. Friedland KD, Ganley L, **Dimarchopoulou D**, Gaichas S, Morse R, Jordaan A (2023) Change in body size in a rapidly warming marine ecosystem: Consequences of tropicalization. *Science of the Total Environment* 903: 166117.
29. Humphries AT, **Dimarchopoulou D**, Stergiou KI, Tsikliras AC, Palomares MLD, Bailly N, Nauen C, Luna S, Banasihan LP, Froese R, Pauly D (2023) Measuring the scientific impact of FishBase after three decades. *Cybium* 47(3): 213-224.
28. Keramidas I*, **Dimarchopoulou D**, Ofir E, Tsikliras AC, Gal G (2023) Ecotrophic perspective in fisheries management: a review of Ecopath with Ecosim models in European marine ecosystems. *Frontiers in Marine Science* 10: 1182921.
27. Ferragut-Perello F, Ramírez-Amaro S, Tsikliras AC, Petit-Marty N, **Dimarchopoulou D**, Massutí E, Serrat A, Ordines F (2023) Exploitation and conservation status of the thornback ray (*Raja clavata*) in the Balearic Islands (western Mediterranean). *Fishes* 8: 117.

2022

26. Daskalaki E, Koufalis E, **Dimarchopoulou D**, Tsikliras AC (2022) Scientific progress made towards bridging the knowledge gap in the biology of Mediterranean marine fishes. *PLoS ONE* 17(11): e0277383.
25. Keramidas I*, **Dimarchopoulou D**, Tsikliras AC (2022) Modelling and assessing the ecosystem of the Aegean Sea, a major hub of the eastern Mediterranean at the intersection of Europe and Asia. *Regional Studies in Marine Science* 56: 102704.
24. Pauly D, **Dimarchopoulou D** (2022) Introduction: Fishes in a warming and deoxygenating world. *Environmental Biology of Fishes* 105: 1261-1267.
23. **Dimarchopoulou D**, Tsikliras AC (2022) Linking growth patterns to sea temperature and oxygen levels across European sardine (*Sardina pilchardus*) populations. *Environmental Biology of Fishes* 105: 1335-1345.
22. **Dimarchopoulou D**, Makino M, Prayoga MR, Zeller D, Vianna GMS, Humphries AT (2022) Responses in fisheries catch data to a warming ocean along a latitudinal gradient in the western Pacific Ocean. *Environmental Biology of Fishes* 105: 1347-1362.
21. **Dimarchopoulou D**, Tsagarakis K, Sylaios G, Tsikliras AC (2022) Ecosystem trophic structure and effort simulations of a major greek fishing ground (Thermaikos Gulf, northeastern Mediterranean Sea). *Estuarine, Coastal and Shelf Science* 264: 107667.

2021

20. Nalmpanti M*, Pardalou A, Tsikliras AC, **Dimarchopoulou D** (2021) Assessing fish communities in a multiple-use marine protected area using an underwater drone (Aegean Sea, Greece). *Journal of the Marine Biological Association of the United Kingdom* 101: 1061-1071.
19. Gómez-Gras D, Linares C, López-Sanz A, Amate R, Ledoux JB, Bensoussan N, Drap P, Bianchimani O, Marschal C, Torrents O, Zuberer F, Cebrian E, Teixidó N, Zabala M, Kipson S, Kersting DK, Montero-Serra I, Pagès-Escalà M, Medrano A, Frleta-Valić M, **Dimarchopoulou D**, López-Sendino P, Garrabou J (2021) Population collapse of habitat-forming species in the Mediterranean: a long-term study of gorgonian populations affected by recurrent marine heatwaves. *Proceedings of the Royal Society B* 288: 20212384.
18. Tsikliras AC, **Dimarchopoulou D** (2021) Filling in knowledge gaps: length-weight relationships of 46 uncommon sharks and rays in the Mediterranean Sea. *Acta Ichthyologica et Piscatoria* 51(3): 249-255.
17. **Dimarchopoulou D**, Mous PJ, Firmana E, Wibisono E, Humphries AT (2021) Comparing two independent computational approaches to explore the status of the Indonesian deep demersal fishery. *Fisheries Research* 243: 106089.
16. Piroddi C, Akoglu E, Andonegi E, Bentley JW, Celic I, Coll M, **Dimarchopoulou D**, Friedland R, de Mutsert K,

Girardin R, Garcia-Gorriz E, Grizzetti B, Hernvann P-Y, Heymans JJ, Müller Karulis B, Libralato S, Lynam CP, Macias D, Miladinova S, Moullec F, Palialexis A, Parn O, Serpetti N, Solidoro C, Steenbeek J, Stips A, Tomczak M, Travers-Trolet M, Tsikliras AC (2021) Effects of nutrient management scenarios on marine food webs: a Pan-European Assessment in support of the Marine Strategy Framework Directive. *Frontiers in Marine Science* 8: 596797.

15. **Dimarchopoulou D**, Keramidas I*, Sylaios G, Tsikliras AC (2021) Ecotrophic effects of fishing across the Mediterranean Sea. *Water* 13: 482.

14. Tsikliras AC, Touloumis K, Pardalou A, Adamidou A, Keramidas I*, Orfanidis G, **Dimarchopoulou D**, Koutrakis M (2021) Status and exploitation of 74 un-assessed fish and invertebrate stocks in the Aegean Sea (Greece) using abundance and resilience. *Frontiers in Marine Science* 7: 578601.

2020

13. Tsikliras AC, **Dimarchopoulou D**, Pardalou A (2020) Artificial upward trends in Greek marine landings: a case of presentist bias in European fisheries. *Marine Policy* 117: 103886.

12. Karachle PK, **Dimarchopoulou D**, Tsikliras AC (2020) Is shore-based recreational fishing in Greece an IUU activity that increases catch uncertainty? *Regional Studies in Marine Science* 36: 101273.

11. Froese R, Winker H, Coro G, Demirel N, Tsikliras AC, **Dimarchopoulou D**, Scarcella G, Palomares MLD, Dureuil M, Pauly D (2020) Estimating stock status from abundance and resilience. *ICES Journal of Marine Science* 77(2): 527-538.

2019

10. **Dimarchopoulou D**, Keramidas I*, Tsagarakis K, Tsikliras AC (2019) Ecosystem models and effort simulations of an untrawled gulf in the central Aegean Sea. *Frontiers in Marine Science* 6: 648.

9. Froese R, Winker H, Coro G, Demirel N, Tsikliras AC, **Dimarchopoulou D**, Scarcella G, Probst WN, Dureuil M, Pauly D, Friedman A (2019) On the pile-up effect and priors for L_{inf} and M/K : response to a comment by Hordyk *et al.* on "A new approach for estimating stock status from length frequency data". *ICES Journal of Marine Science* 76(2): 461-465.

2018

8. Froese R, Winker H, Coro G, Demirel N, Tsikliras AC, **Dimarchopoulou D**, Scarcella G, Probst WN, Dureuil M, Pauly D (2018) A new approach for estimating stock status from length frequency data. *ICES Journal of Marine Science* 75(6): 2004-2015.

7. Keramidas I*, **Dimarchopoulou D**, Pardalou A, Tsikliras AC (2018) Estimating recreational fishing fleet using satellite data in the Aegean and Ionian Seas (Mediterranean Sea). *Fisheries Research* 208: 1-6.

6. Froese R, Winker H, Coro G, Demirel N, Tsikliras AC, **Dimarchopoulou D**, Scarcella G, Quaas M, Matz-Lück N (2018) Status and rebuilding of European fisheries. *Marine Policy* 93: 159-170.

5. **Dimarchopoulou D**, Dogrammatzi A, Karachle PK, Tsikliras AC (2018) Spatial fishing restrictions benefit demersal stocks in the northeastern Mediterranean Sea. *Scientific Reports* 8: (5967).

4. **Dimarchopoulou D**, Gerovasileiou V, Voultziadou E (2018) Spatial variability of sessile benthos in a semi-submerged marine cave of a remote Aegean Island (eastern Mediterranean Sea). *Regional Studies in Marine Science* 17: 102-111.

2017

3. Petza D, Maina I, Koukouroufli N, **Dimarchopoulou D**, Akrivos D, Kavadas S, Tsikliras AC, Karachle PK, Katsanevakis S (2017) Where not to fish – reviewing and mapping fisheries restricted areas in the Aegean Sea. *Mediterranean Marine Science* 18(2): 310-323.

2. **Dimarchopoulou D**, Stergiou KI, Tsikliras AC (2017) Gap analysis on the biology of Mediterranean marine fishes. *PLoS ONE* 12(4): e0175949.

2015

1. Gerovasileiou V, Chintiroglou CC, Vafidis D, Koutsoubas D, Sini M, Dailianis T, Issaris Y, Akritopoulou E, **Dimarchopoulou D**, Voultziadou E (2015) Census of biodiversity in marine caves of the Eastern Mediterranean Sea. *Mediterranean Marine Science* 16(1): 245-265.

CONFERENCE & OTHER PUBLICATIONS

International conferences

22. Humphries A, Wibisono E, **Dimarchopoulou D**, Mous P (2024) An electronic monitoring system for assessing Indonesia's snapper-grouper fisheries. *9th World Fisheries Congress*, 3-7 March, Seattle, USA.
21. **Dimarchopoulou D**, Pineda J, Ji R, Worm B, Lotze H (2024) Takeaways from ten years of the Mean Temperature of the Catch index. *9th World Fisheries Congress*, 3-7 March, Seattle, USA.
20. **Dimarchopoulou D**, Pineda J, Ji R, Worm B, Lotze H (2024) Tropicalization of US fisheries catches. *AGU Ocean Sciences Meeting*, 18-23 February, New Orleans, USA.
19. Tsikliras AC, Keramidas I*, **Dimarchopoulou D** (2023) Alien fish species and mean temperature of the catch in the Aegean Sea. *21st International FishBase and SeaLifeBase Symposium*, 4 September, Tervuren, Belgium.
18. Ferragut-Perello F, Ramírez-Amaro S, Petit-Marty N, Tsikliras AC, **Dimarchopoulou D**, Massutí E, Guijarro B, Ordines F (2023) Exploitation and conservation status of Rajiformes species in the Western Mediterranean. *ICES Annual Science Conference 2023*, 11-14 September, Bilbao, Spain.
17. **Dimarchopoulou D**, Pineda J, Ji R, Worm B, Lotze H (2023) Is ocean warming affecting fisheries catches in the Northwest Atlantic Ocean? *Book of Abstracts of the 5th International Symposium on the Effects of Climate Change on the World's Ocean*: 217.
16. Daskalaki E, Koufalis E, **Dimarchopoulou D**, Tsikliras AC (2022) Updated gap analysis on the biology of Mediterranean marine fishes. *Proceedings of the Marine and Inland Waters Research Symposium 2022 (former Panhellenic Symposium of Oceanography & Fisheries)*: 227-230.
15. Tsikliras AC, Chrysafi A, Daskalaki E, Keramidas I*, Koufalis E, Mantopoulou-Palouka D, Michailidis K*, Nalmpanti M*, Manousi S, **Dimarchopoulou D** (2022) Ecocentric fisheries management in the Mediterranean Sea (EcoScope project). *Thalassa 2022 Conference*, Cyprus 6-8 June 2022.
14. Humphries A, **Dimarchopoulou D**, Stergiou K, Tsikliras AC, Palomares MLD, Bailly N, Froese R, Pauly D (2021) Measuring the scientific impact of FishBase using citation analysis: preliminary results. *Book of abstracts of the 2021 FishBase-SeaLifeBase Symposium*: 11.
13. Tsikliras AC, Daskalaki E, Nalmpanti M*, Michailidis K*, Keramidas I*, **Dimarchopoulou D** (2021) Ecocentric fisheries management in the European Seas (EcoScope project). *Book of abstracts of the 2021 FishBase-SeaLifeBase Symposium*: 17-18.
12. Nalmpanti M*, Pardalou A, Tsikliras AC, **Dimarchopoulou D** (2021) How effective are the varying protection levels within MPAs? A Mediterranean case study. *FSBI Symposium: Fish, Fisheries and Ecosystems in the Anthropocene*, 5-8 July, KU Leuven, Belgium.
11. Gómez-Gras D, Linares C, López-Sanz A, Amate R, Ledoux JB, Bensoussan N, Bianchimani O, Marschal C, Torrents O, Zuberer F, Cebrian E, Teixidó N, Zabala M, Kipson S, Kersting DK, Montero-Serra I, Pagès-Escola M, Medrano A, Milani A, Frleta-Valiç M, **Dimarchopoulou D**, López-Sendino P, Garrabou J (2020) Population collapse of habitat-forming octocorals in Scandola marine protected area: the long-term study of gorgonian populations affected by the 2003 extreme warm summer. *Abstracts Volume Workshop on Marine Reserves (REMAR 2020)*: 24-25. [part of the VII International Symposium on Marine Sciences, Barcelona, July 2020].
10. Scarcella G, Froese R, Winker H, Coro G, Demirel N, Garilao C, Tsikliras AC, **Dimarchopoulou D**, Dureuil M, Pauly D (2019) Three Monte-Carlo methods for data-limited stock assessment. *ICES Annual Science Conference*: in press.
9. **Dimarchopoulou D**, Keramidas I*, Tsagarakis K, Tsikliras AC (2019) Ecosystem modelling simulations and fishing effort reduction scenarios in Pagasitikos Gulf (central Aegean Sea, Greece). *Proceedings of the International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions* 14: 44.
8. Michailidis K*, **Dimarchopoulou D**, Tsikliras AC (2019) Estimating the stock status of fish and invertebrate species in the Aegean Sea. *Proceedings of the International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions* 14: 116.
7. **Dimarchopoulou D**, Tsagarakis K, Tsikliras AC (2018) Modelling the food web of Thermaikos Gulf (northeastern Mediterranean Sea, Greece). *Fish Forum 2018: Book of Abstracts* p. 87.
6. Keramidas I*, **Dimarchopoulou D**, Pardalou A, Tsikliras AC (2018) Counting recreational fishing vessels from space in the Aegean Sea (eastern Mediterranean Sea). *Fish Forum 2018: Book of Abstracts* p. 278.
5. Pantazi M, **Dimarchopoulou D**, Dogrammatzi A, Tsikliras AC, Karachle PK (2018) Fish and Invertebrate Diversity in a Semi-Protected Area (Pagasitikos Gulf, Greece). *International Symposium on Eurasian biodiversity* 4: 286.
4. **Dimarchopoulou D**, Stergiou KI, Tsikliras AC (2017) Gap analysis on the biology of Mediterranean marine fishes: comparing the literature with FishBase. In: T Musschoot, G Boden, J Snoeks (eds) 15th FishBase Symposium. *Annual FishBase Symposium* 15: 21-22.

3. **Dimarchopoulou D**, Stergiou KI, Tsikliras AC (2016) Gaps in biological knowledge of the Mediterranean marine fishes. *Rapp. Comm. int. Mer Médit.*, 41: 518.
2. Tsikliras AC, **Dimarchopoulou D**, Coro G, Froese R (2016) Status of hake (*Merluccius merluccius*) in the Mediterranean Sea based on catch and resilience. *Rapp. Comm. int. Mer Médit.*, 41: 522.
1. **Dimarchopoulou D**, Gerovasileiou V, Voultziadou E (2015) Coverage and diversity of sessile benthos in a semi-submerged marine cave (Aegean Sea): Does position matter? *Book of Abstracts, Symposium Inside and outside the mountain, Geology-Karst & Palaeontology*, Custonaci, Sicily, p.41.

National conferences

13. **Dimarchopoulou D**, Koumoutsakos P (2024) Data driven, causal discovery of the effects of climate change, ocean acidification and management on fish and invertebrate stocks. *Abstracts for The MIT Sea Grant Research Symposium 2024*: 7.
12. Aletra V, Keramidas I*, Papadopoulou P, Makri M, Michailidis K*, **Dimarchopoulou D**, Pardalou A, Tsikliras AC (2019) Fishing gears and main catches of the coastal fishing fleet in Alonissos Island. *Proceedings of the Hellenic Conference of Ichthyologists 17*: 146-149.
11. **Dimarchopoulou D**, Keramidas I*, Markantonatou V, Tsagarakis K, Tsikliras AC (2019) Spatial fishing restriction scenarios in Thermaikos Gulf. *Proceedings of the Hellenic Conference of Ichthyologists 17*: 82-85.
10. Pardalou A, Keramidas I*, Makri M, **Dimarchopoulou D**, Tsikliras AC (2019) Catches and size-at-catch fluctuations in Alonissos (1985-2018). *Proceedings of the Hellenic Conference of Ichthyologists 17*: 154-157.
9. **Dimarchopoulou D**, Dogrammatzi A, Karachle PK, Tsikliras AC (2018) Positive effects of long-term fishing restrictions on three commercial demersal fishes of Thermaikos Gulf (Aegean Sea, Greece). *Proceedings of the 12th Panhellenic Symposium of Oceanography and Fisheries*: 4.
8. Malamidou A-A*, **Dimarchopoulou D**, Dogrammatzi A, Karachle PK, Tsikliras AC (2018) Effects of fishing restrictions on the diversity of Thermaikos Gulf (Greece). *Proceedings of the 12th Panhellenic Symposium of Oceanography and Fisheries*: 114.
7. Markantonatou V, Koukouroufli N, **Dimarchopoulou D**, Giannoulaki M, Karachle PK, Kavadas S, Maina I, Papadopoulou N, Petza D, Sini M, Smith C, Stithou M, Tserpes G, Tsikliras AC, Vassilopoulou V, Katsanevakis S (2018) Systematic conservation planning: protecting biodiversity and fisheries resources in the Aegean Sea. *Proceedings of the 12th Panhellenic Symposium of Oceanography and Fisheries*: 5.
6. Michailidis K*, **Dimarchopoulou D**, Tsikliras A (2018) Estimating the stock status of fishes in Sporades islands (Aegean Sea, Greece). *Proceedings of the 40th Scientific Conference of the Hellenic Society of Biological Sciences*: 152-3.
5. Koutrolidou C*, **Dimarchopoulou D**, Pantazi M, Dogrammatzi A, Karachle PK, Tsikliras A (2017) Catch composition and fishing effort of recreational fisheries in the Aegean Sea (Greece). *Proceedings of the 39th Scientific Conference of the Hellenic Society of Biological Sciences*: 156.
4. **Dimarchopoulou D**, Stergiou KI, Tsikliras AC (2016) Gaps in biological knowledge of the Greek marine fishes. *Proceedings of the Hellenic Conference of Ichthyologists 16*: 45-48.
3. Karachle PK, Vassilopoulou V, Giannoulaki M, **Dimarchopoulou D**, Iosifidis S, Kavadas S, Kallianiotis A, Katsanevakis S, Maina I, Maniopoulou M, Maravelias CD, Machias A, Michailidis N, Papadopoulos E, Papadopoulou K, Paraskevopoulos S, Petza D, Petrou A, Scarcella G, Smith C, Stergiou KI, Tsagarakis K, Tserpes G, Tsikliras AC, Chartosia N (2016) Introducing PROTOMEDEA project: Towards the establishment of Marine Protected Area Networks in the Eastern Mediterranean. *Proceedings of the Hellenic Conference of Ichthyologists 16*: 497-500.
2. Tsikliras A, **Dimarchopoulou D**, Ammar Y, Coro G, Demirel N, Garilao C, Sampang-Reyes A, Scarcella G, Winker H, Froese R (2016) Assessing the fisheries status of 39 Aegean Sea stocks. *Proceedings of the Hellenic Conference of Ichthyologists 16*: 197-200.
1. **Dimarchopoulou D**, Gerovasileiou V, Voultziadou E (2015) Spatial patterns of benthic communities in a semi-submerged cave of the north Aegean Sea: contribution to the knowledge of marine cave biodiversity. *Proceedings of the 11th Panhellenic Symposium of Oceanography and Fisheries*: 565-568.

Technical reports

5. Tsikliras A, Keramidas I*, Nalmpanti M*, Tektonidis E, Issari A, Pardalou A, **Dimarchopoulou D** (2020) Monitoring of the fish stocks in the National Marine Park of Alonissos-northern Sporades. Technical Report. Laboratory of Ichthyology, School of Biology, Aristotle University of Thessaloniki, 40 p.
4. Karachle PK, Giannoulaki M, Katsanevakis S, Tsikliras A, Scarcella G, Chartosia N, Petrou A, **Dimarchopoulou D**, Petza D, Markantonatou V, Sini M, Michailidis N, Maina I, Dogrammatzi A, Hadjioannou L, Jimenez C, Kavadas S,

- Koukourouvli N, Maniopoulou M, Papadopoulou N, Pardalou A, Pyrounaki MM, Scanu M, Smith C, Stithou M, Tsagarakis K, Tserpes G, Vassilopoulou V, Pantazi M (2019) Towards the establishment of Marine Protected Area Networks in the Eastern Mediterranean. Technical Report, PROTOMEDEA project, 1383 p.
3. Tsikliras A, Makri M, **Dimarchopoulou D** (2019) Towed gear restrictions in Aegean and Ionian Seas. Final Technical Report. School of Biology, Aristotle University of Thessaloniki.
 2. Tsikliras A, **Dimarchopoulou D**, Michailidis K*, Aletra V, Papadopoulou P, Pardalou A (2018) Fisheries, stocks and fleet in Alonissos. Final Report. Laboratory of Ichthyology, School of Biology, Aristotle University of Thessaloniki.
 1. Froese R, Garilao C, Winker H, Coro G, Demirel N, Tsikliras A, **Dimarchopoulou D**, Scarcella G, Sampang-Reyes A (2016) Exploitation and status of European stocks. Updated version. Electronic publication, <http://oceanrep.geomar.de/34476/>.

Book chapters

3. **Dimarchopoulou D**, Tsikliras AC, Froese R, Pauly D (2021) Fish Stocks. p. 000-000. In: Levin S (Ed) Encyclopedia of Biodiversity, Second Edition, Volume 1. Elsevier, Oxford.
2. Mrabet R, Savé R, Toreti A, Caiola N, Chentouf M, Llasat MC, Mohamed AAA, Santeramo FG, Sanz-Cobena A, Tsikliras A (2020) Food. 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 (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, 26pp, in press. Contributing author (among others): **Dimarchopoulou D**.
1. Cherif S, Doblas-Miranda E, Lionello P, Borrego C, Giorgi F, Iglesias A, Jebari S, Mahmoudi E, Moriondo M, Pringault O, Rilov G, Somot S, Tsikliras A, Vila M, Zittis G (2020) Drivers of change. 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 (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, 128pp, in press. Contributing author (among others): **Dimarchopoulou D**.

Other

4. The *Sea Around Us* team (2022) Principles of assessing exploited fish populations and an introduction to the CMSY methodology. Free video step-by-step tutorials. Translation in Greek by **Dimarchopoulou D**. <https://www.youtube.com/watch?v=ufjgC5OHL-E>.
3. Tsikliras AC, Sgardeli V, Keramidas I*, **Dimarchopoulou D**, Tserpes G (2020) Ecosystem models along the southern Mediterranean coastline. ODYSSEA Newsletter “Creating products and knowledge for the Mediterranean” Issue 02 – June 2020.
2. Froese R, Winker H, Coro G, Demirel N, Tsikliras AC, **Dimarchopoulou D**, Scarcella G, Palomares MLD, Dureuil M, Pauly D (2020) Learning from the peer review of “Estimating stock status from relative abundance and resilience”, p. 111-124. In: Pauly D and Ruiz-Leotaud V (eds.) Marine and Freshwater Miscellanea II. Fisheries Centre Research Reports 28(2). Institute for the Oceans and Fisheries, University of British Columbia.
1. **Dimarchopoulou D**, Voultziadou E (2011) Natural History Museums, tools in Environmental Education. Meeting on the World Environment Day entitled "Environmental awareness and social participation", AUTH Environment Council, Thessaloniki (proceedings not issued).

TEACHING

- | | |
|-------------|---|
| 2024 | 2hr lecture on the effects of ocean warming on global fisheries catches and the mean temperature of the catch , MSc program Fisheries Biology and Management, School of Biology, AUTH. |
| 2024 | 1hr lecture on the effects of ocean warming on global and NW Atlantic fisheries catches , Undergraduate course <i>Global Climate Change</i> , Kenai Peninsula College, University of Alaska Anchorage. |
| 2024 | 2hr lecture on fisheries research in the US and Canada , MSc program Biodiversity and Biological Resource Management, course Fish Stock Biology and Assessment, School of Biology, AUTH. |
| 2023 | 3hr lecture on the ecosystem-based fisheries management (EBFM) , Summer School on Oceanography & Fisheries within the ecosystem, Horizon 2020 EcoScope project, Fisheries Research Institute, Nea Peramos, Kavala, Greece. |
| 2023 | 3hr lecture on the ecosystem approach to fisheries management , MSc program Ecology and Conservation Biology, School of Biology, AUTH. |
| 2023 | 3hr lecture on ecosystem models , MSc program Ecology and Conservation Biology, School of Biology, AUTH. |
| 2023 | 1.5hr lecture on ecosystem modeling using Ecopath with Ecosim , Undergraduate course <i>Cutting Edge in</i> |

- Marine Science*, Department of Biology, Dalhousie University.
- 2023** **1.5hr lecture on the effects of ocean warming on global fisheries catches**, Undergraduate course *Cutting Edge in Marine Science*, Department of Biology, Dalhousie University.
- 2022** **3hr lecture on the ecosystem approach to fisheries management**, MSc program Fisheries Biology and Management, School of Biology, AUTH.
- 2019-24** **3hr lecture on ecosystem models**, MSc program Fisheries Biology and Management, School of Biology, AUTH.
- 2019** **4hr lecture and workshop on ecosystem modeling**, 2nd ODYSSEA summer school on Oceanography and Fisheries in the Mediterranean, Alonissos Island, Greece.
- 2018-24** **3hr lecture on Greek marine ecosystems**, Erasmus course *The Greek environment*, School of Biology, AUTH.
- 2018** **3hr lecture on ecosystem modeling with EwE**, 1st ODYSSEA summer school on Operational Oceanography for Science, Business and Society, Kavala, Greece.
- 2009-16** **Private tutoring (1-on-1 and in small groups)**, in Biology, Chemistry, Physics, and English as a second language, to middle and high school students in Greece.

STUDENT MENTORING

- 11. Charles Lavin** (PhD, Nord University), 2021-3: Warming and overfishing effects on fish and invertebrate stocks of New Zealand and Norway (research, publications).
- 10. Brandon Chapman** (undergraduate, URI), 2023: Contributing data to FishBase (training and data entry).
- 9. Nate Ryan** (undergraduate, URI), 2022: Contributing data to FishBase (training and data entry).
- 8. José Medina** (undergraduate, URI), 2021: Contributing data to FishBase (training and data entry).
- 7. Tina Munter** (undergraduate, URI), 2021: Contributing data to FishBase (training and data entry).
- 6. Melina Nalmpanti** (master's & PhD, AUTH), 2020-2: Monitoring fish stocks in the National Marine Park of Alonissos-northern Sporades (research, conference presentation, publication).
- 5. Ioannis Keramidas** (master's & PhD, AUTH), 2019-24: Ecopath with Ecosim ecosystem modelling in the Aegean Sea (research, conference posters and presentations, publications).
- 4. Uxue Sarriegi** (undergraduate, AUTH, Erasmus exchange program), 2018: Length-based stock assessments of stocks in the Bay of Biscay (research, thesis).
- 3. Kostis Michailidis** (undergraduate, AUTH), 2018-9: Estimating the stock status of fish and invertebrate species in the Aegean Sea using CMSY (research, conference presentations, thesis).
- 2. Katianna Malamidou** (undergraduate, AUTH), 2018: Effects of fishing restrictions on the diversity of Thermaikos Gulf (Greece) (research, conference presentation, thesis).
- 1. Corinna Koutrolikou** (undergraduate, AUTH), 2017: Catch composition and fishing effort of recreational fisheries in the Aegean Sea (research, conference poster).

GUEST LECTURES

- 2024** **Climate change – an unexpected guest at dinner**, WHOI Postdoctoral Symposium 2023-4, Woods Hole Oceanographic Institution.
- 2023** **Exploring the bigger picture: From sponges, to ecosystems, fisheries, and climate change**, WHOI Summer Lecture Series, Woods Hole Oceanographic Institution.
- 2022** **Are ocean warming effects reflected in fisheries catches of the Northwest Atlantic Ocean?**, WHOI Postdoctoral Symposium 2022, Woods Hole Oceanographic Institution.
- 2022** **Identifying the effects of ocean warming on global fisheries catches**, Biology Department, Woods Hole Oceanographic Institution.
- 2022** **Identifying the effects of ocean warming on global fisheries catches**, Biology Department, Dalhousie University.
- 2022** **Ecosystem-based fisheries management (EBFM): the Aegean Sea case study**, Department of Fisheries Oceanography, School for Marine Science and Technology, University of Massachusetts Dartmouth.

WORKSHOP ORGANIZING

- 2023** **Stakeholder Workshop**, Data driven, causal discovery of the effects of climate change, ocean acidification and management on Maine lobster and cod stocks, 10 participants from Maine research institutions. Darling Marine Center, University of Maine, USA.

- 2023 Academic Jobs workshop**, Tips and best practices about writing application materials for faculty positions (four sessions with WHOI and external invited speakers and four sessions for writing and peer-feedback), ~50 participants in each of the four presentation sessions and ~15 in each of the three writing/peer-feedback sessions (WHOI postdocs, undergraduate and graduate students, scientific and technical staff), Woods Hole Oceanographic Institution.
- 2023 Science Communication (SciComm) workshop: Elevator pitches for labs**, Introduction of a new SciComm initiative developed by me and WHOI colleagues, and presentations on SciComm best practices by invited WHOI experts, ~50 participants (WHOI postdocs, undergraduate and graduate students, scientific and technical staff), Woods Hole Oceanographic Institution.
- 2019 One-week workshop on stock assessment of data-poor Mediterranean and Black Sea fisheries using novel methods**, Advanced Course on Fisheries Biology in R: Stock Assessment, ~20 participants, School of Biology AUTH, Thessaloniki, Greece.
- 2018 One-week workshop on hands-on coding for graphical representation of fisheries data and stock assessment methods using R**, 1st Introductory Course on Fisheries Biology in R, ~40 participants, Fisheries Research Institute, Kavala, Greece.
- 2018 Two-day workshop on ecosystem modeling with EwE**, ODYSSEA ecosystem modeling workshop, 5 participants, School of Biology, AUTH.
- 2017 Two-day introductory workshop on CMSY-BSM stock assessment**, ~15 participants, FishBase Information and Research Group Inc., Los Baños, Laguna, Philippines.

LEADERSHIP AND ACADEMIC SERVICE

- 2023 President of the PDA - Postdoctoral Association** (Biology representative), Woods Hole Oceanographic Institution: organizing monthly meetings, scientific symposiums, professional development workshops (e.g., academic and non-academic job workshops), and inclusive social events for WHOI postdocs.
- 2023 Member of the International Committee (PDA representative)**, Woods Hole Oceanographic Institution: participating in meetings and organizing tax workshops for foreign nationals, workshops for visa processes, and social events for international students and postdocs.

SCIENCE COMMUNICATION, PUBLIC ENGAGEMENT, OUTREACH

- 2023 Fish and climate change**: poster presentation with interactive discussion at the Woods Hole Science Stroll, a family-friendly annual event that features hands-on activities and opportunities to learn about Woods Hole's six major science institutions, including the Woods Hole Oceanographic Institution and NOAA Fisheries. ~2200 attendees
- 2023 Barnacles, biofouling, and ocean change**: Presentation of the Pineda lab research and hands-on activities for ~15 middle school students at Woods Hole Oceanographic Institution.
- 2023 Day in the Village event**: Voluntary participation in the outreach event for 7th grade students (fish dissection station – anatomy of haddock *Melanogrammus aeglefinus* – 160 students) in Woods Hole, MA, USA. WHOI and NOAA Fisheries.
- 2017 The secrets of the sea and other explorations**: Development and presentation of an educational program regarding marine ecosystems, plankton, fish, marine mammals, and fisheries, for elementary school students (~100 students) - <https://www.youtube.com/watch?v=598lkkYQH2E>. Public Benefit Organization of the City of Kavala (DIMOFELIA), Greece.

FIELD WORK

- 2023 Half-day research cruise aboard R/V Tioga** in the NW Atlantic (Vineyard Sound) in the framework of the Biological Oceanography graduate class taught at WHOI. Participated in oceanographic sampling techniques using a variety of methods (e.g., plankton tow, sediment grab, CTD cast, core sampling).
- 2018-19 Five daily cruises deploying an underwater drone** to record fish communities and habitats in northern Greece (National Marine Park of Alonissos Northern Sporades) in the framework of the project "FishFish - Fish and Fishers in Alonissos". Participated in the sampling design, video recording, and species identification.
- 2016 Five daily experimental trawling cruises aboard a commercial trawler** in northern Greece (Thermaikos Gulf and Sporades islands) in the framework of the European project "PROTOMEDEA - Towards the establishment of Marine Protected Area Networks in the Eastern Mediterranean" (AUTH and HCMR).

Participated in the sampling design, species identification, length and weight measurements.

EDITORSHIPS AND REVIEWING

4. Reviewer for the Nippon Foundation-Partnership for Observation of the Global Ocean Centre of Excellence training program in Observational Oceanography targeted mainly at candidates from developing and emerging nations (6 applications).
3. Guest co-editor with Daniel Pauly for the special issue “Fishes in a warming and deoxygenating world” for the journal *Environmental Biology of Fishes* (handled 11 manuscripts).
2. Reviewing editor in *Frontiers in Marine Science* (8 manuscripts).
1. Reviewer for *PLoS ONE* (4 manuscripts), *Acta Ichthyologica Et Piscatoria* (1 manuscript), *Marine Ecology Progress Series* (1 manuscript), *Mediterranean Marine Science* (1 manuscript), *Ocean & Coastal Management* (3 manuscripts), *Ecological Indicators* (1 manuscript), *Journal of Marine Systems* (1 manuscript), *Fisheries Research* (1 manuscript), *Scientia Marina* (1 manuscript), *Coral Reefs* (1 manuscript), *Regional Environmental Change* (1 manuscript), *Cybium* (1 manuscript), *Sustainability* (1 manuscript), *Fisheries Management and Ecology* (1 manuscript), *Marine Environmental Research* (1 manuscript), *Hydrobiologia* (1 manuscript), *Journal of Sea Research* (1 manuscript), *Marine Pollution Bulletin* (1 manuscript).

EDUCATIONAL SEMINARS AND COURSES TAKEN

- 2023** Course “**Communicating science for societal impact**” by Boris Worm, BIOL_MARI 4880_5880, Department of Biology, Dalhousie University, Halifax, Canada. (39 hrs)
- 2022** Course “**Elements of Modern Oceanography**” by Jesús Pineda and Magdalena Andres, 12.702/12.372, MIT-WHOI Joint Program, Woods Hole Oceanographic Institution, Woods Hole, USA. (33 hrs)
- 2021** **Openscapes Champions Mentorship Program** on open data science tools by the National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara (UCSB), online. (6 hrs)
- 2017** **Beginners Stock Assessment Course “Integrated Assessments using Stock Synthesis”** by the General Fisheries Commission for the Mediterranean (GFCM), Rome, Italy. (5 days)
- 2017** “**Summer school in quantitative fisheries stock assessment**” by the Food and Agriculture Organization of the United Nations (FAO), the General Fisheries Commission for the Mediterranean (GFCM) and the European Commission Joint Research Center (JRC). CNR-IAMC Capo Granitola, Sicily, Italy. (5 days)
- 2017** **Training on data entry by Emily Capuli and Nicolas Bailly and organizing of the workshop entitled “Introduction to CMSY/BSM Stock Assessment”**. FishBase Information and Research Group Inc., Los Baños, Laguna, Philippines. (5 days)
- 2016** **Seminar ArcGIS I “Introduction to the use of Geographic Information Systems ArcGIS”, ArcGIS II “Advanced topics on the use of Geographic Information Systems ArcGIS”, and ArcGIS III “ArcGIS Extensions Spatial Analyst - 3D Analyst”** by Thanasis Alexiadis of Marathon Data Systems. Central Computer Lab, AUTH IT Center. (45 hrs)
- 2016** **Introductory course on “Modelling aquatic ecosystems with Ecopath, Ecosim and Ecospace”** by Villy Christensen, Marta Coll and Jeroen Steenbeek. Institute of Marine Sciences, Barcelona, Spain. (30 hrs)

MEDIA

- 2018** **Discussions regarding the status and management of fish stocks in Thermaikos Gulf, Thessaloniki, Greece, as well as the benefits of fishing restrictions and protected areas on targeted and non-targeted fish stocks.** On private and national Greek TV and radio channels: **SKAI radio** (morning show *Ase mas proi-proi* with Giannis Dsounos-Christos Koutras), **SKAI TV** (show *Tora* with Anna Bousdoukou, central news bulletin, show *ECONews* with Katerina Christofilidou), **ERT3 TV** (show *Kathimerina kai apla* with Charis Arvanitidis-Elsa Poimenidou, central news bulletin).

VOLUNTEERING

- 2023** **Voluntary participation in the Day in the Village outreach event for 7th grade students (fish dissection station – anatomy of haddock *Melanogrammus aeglefinus* – 160 students) in Woods Hole, MA, USA.** WHOI and NOAA Fisheries.
- 2023** **Voluntary participation in a sea turtle necropsy session (recording of external and internal abnormalities and state of major organs of cold-stunned sea turtles in Woods Hole, MA, USA.** Mass

- Audubon Wellfleet Bay Wildlife Sanctuary (WBWS) and WHOI.
- 2011-14** **Voluntary participation and coordination of environmental programs and public awareness actions in Thessaloniki and Nymfaio, Greece.** Arcturos - Greek NGO for the wildlife and natural environment protection.
- 2013** **Voluntary participation in public information and awareness as well as in the daily operation of the management body in Alonissos, Greece.** Management Body of the National Marine Park of Alonissos Northern Sporades.
- 2011** **Voluntary participation in fieldwork and public awareness actions in Rethymno, Crete, Greece.** Archelon - The Sea Turtle Protection Society of Greece.

OTHER ACTIVITIES

- 2015** **Participation in educational seminars for the development of leadership skills. Processing, development and implementation of a business project for the NGO "Boroume".** Future leaders - Development program for future leaders.
- 2011** **SCUBA diving, PADI Open Water Diver Certificate.** Sea World Diving Center, Greece.
- 2011** **Participation in a professor/student initiative of the AUTH Biology School by organizing a research project aimed at capturing public attitudes towards Biodiversity as well as a meeting entitled "Life and Biodiversity: interrelated concepts".** AUTH Student Week, Thessaloniki, Greece.