

PERSONAL INFORMATION

Konstantinos Tsagarakis



 Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland Waters, 46.7 km Athinon-Souniou Ave., P.O. Box 712, 19013, Anavyssos, Greece

 kotsag@hcmr.gr

WORK EXPERIENCE

May 2018 - present

Associate Researcher

Hellenic Centre for Marine Research (HCMR), 46.7 km Athinon Souniou, Anavyssos, P.O. Box 712, P.C. 19013, Greece, www.hcmr.gr, <http://imbriw.hcmr.gr/en/>

- Participation in EU and Greek research projects related to fisheries biology, acoustics, discards, ecosystem modelling. Field surveys, data analysis, drafting of deliverables and reports, coordination of tasks/WPs in research projects. Submitting proposals for EU and national funding

Public Research Institute

October 2011 - January 2018

Research scientist, Fisheries Biologist

HCMR, 46.7 km Athinon Souniou, Anavyssos, P.O. Box 712, P.C. 19013, Greece, www.hcmr.gr, <http://imbriw.hcmr.gr/en/>

- Participation in EU and Greek research projects related to fisheries biology, acoustics, discards, ecosystem modelling. Field surveys, data analysis, drafting of deliverables and reports, coordination of tasks/WPs in research projects. Submitting proposals for EU and national funding

Public Research Institute

April 2006 - April 2010

PhD fellow, Fisheries Biologist

HCMR, PO Box 2214, 71003, Heraklion-Crete, Greece, www.hcmr.gr, <http://imbriw.hcmr.gr/en/>

- Participation in EU and Greek research projects related to fisheries acoustics and habitat modelling. Acoustic surveying and data analysis for the estimation of pelagic fish biomass off the Greek coast and exploring schooling behaviour.

Public Research Institute

EDUCATION AND TRAINING

April 2006 - October 2011

Ph.D. Marine Biology

EQF level 8

University of Crete (Biology Department) and HCMR (Institute of Marine Biological Resources), Greece

October 2003 - October 2005

MSc Marine Biology

EQF level 7

University of Crete (Biology Department), Greece

October 1998 - September 2003

BSc Biology

EQF level 6

National and Kapodistrian University of Athens (Biology Department), Greece

ADDITIONAL INFORMATION

Projects (selected)

Coordinator, HCMR Scientific responsible and/or WP/Task leader:

- 2025-2029. INFINIFISH. Climate-friendly and resilient fisheries through innovation and co-learning. HCMR Responsible.
- 2025-2026. CINEA-SC04 "Data collection and analysis supporting the evaluation of the Common Fisheries Policy Regulation", European Climate, Infrastructure and Environment Executive Agency.

- CINEA/2023/OP/0002 Framework, Specific Contract 04. HCMR Responsible.
- 2024-2025. TWINKLE. Life in the TWilight: New Knowledge on the bioLogy and Ecology of the mesopelagic zone in the context of global change. WP responsible.
 - 2020-2021. MedBLand: -"Synthesis of the landing obligation measures and discard rates for the Mediterranean and the Black Sea". EASME/EMFF/2019/1.3.2.6/ SI2.835464. HCMR Responsible; Task leader.
 - 2020-2021. "HellasFish Project; Stage 1-Mapping". Marine Stewardship Council, MAVA Foundation, A.G. Leventis Foundation. Coordinator.
 - 2018-2021. MesoBED: MESOpelagic fish: Biology, Ecological role and Distribution of a disregarded trophic link. GSRT-ELIDEK. Coordinator
 - 2015-2018. PROTOMEDEA: Towards the establishment of Marine Protected Area Networks in the Eastern Mediterranean. DG MARE (2015-2018). Task co-leader.
 - 2014-2015. DISCATCH: Pilot project on catch and discard composition including solutions for limitation and possible elimination of unwanted by-catches in trawl net fisheries in the Mediterranean. DG MARE (2013-2015). Task leader.
 - 2014-2015. ECODISC: Ecosystem effects of fisheries discards. National funded project. Project manager.
 - 2014. LANDMED: Implications of the implementation of the Landings Obligations provisions in small pelagic fisheries in Mediterranean. DG MARE (2014). WP responsible, HCMR responsible.

Participant (selected):

- 2023-2029. LIFE MareNatura Conservation of priority species of marine megafauna in Greece and Italy Call: LIFE-2022-SAP-NAT-NATURE
- 2021-2025. "SEAwise" Shaping ecosystem based fisheries management. EU, HORIZON 2020, Grant agreement ID: 101000318; Funded under H2020-EU.3.2.3.1
- 2018-2022. "VIOAXIOPIO" Exploiting Fish By-Products. Ministry of Economy and Development, <http://www.vioaxiopoio.gr/en/>.
- 2018-2021. "ANATHALLOI" Development of management tools for marine and lake ecosystems. Ministry of Economy and Development, <https://hcmr-imbriv.wixsite.com/anathalloi>.
- 2015-2019: "MINOUW: Science, Technology, and Society Initiative to minimize Unwanted Catches in European Fisheries". EU, HORIZON 2020.
- 2014-2015. "Creation of an ecosystem based fisheries model for the management of the Volvi lake". National project.
- 2012-2015: "PERSEUS: Policy-oriented marine Environmental Research in the Southern European Seas", (FP7, Grant agreement no: 287600)
- 2012: "MEDISEH: Mediterranean Sensitive Habitats" MAREA: Mediterranean hAlieutic Resources Evaluation and Advice. EU project
- 2007-2010: "SARDONE: Improving assessment and management of small pelagic species in the Mediterranean, (FP6)"
- 2007-2008: " EnviEFH: Environmental Approach to Essential Fish Habitat Designation".
- 2007-2008: "Study of the state of the marine environment of Palaiochora aiming for the sustainable management of fishery resources", Greek Ministry of Agriculture.
- 2007 – 2008: "Study for the sustainable management of Messara gulf", Greek Ministry of Agriculture
- 2006-2008: "Comparison of the main anchovy stock population features between two areas (Greece: Aegean Sea) and (Montenegro: Adriatic)."
- 2006-2007: "Small pelagic: Improvement of in year management of small pelagic fish in Aegean Sea. Study EU-DG XIV, Project FISH/2004/03-35"
- 2005: "INNOMAR: Innovative methods for the sustainable management of marine biological resources. Innovative Actions ERDF 2000-2006. INNOMAR"
- 2004-2006, 2008, 2012-13: "Data collection programme", EU, Greek Ministry of Agriculture.

Seminars / Training courses

- MSC capacity building Training Level 2 (MSC Fisheries Standard v2.01), October 2025
- Capacity building training for Greek Scientists on the MSC Fisheries Programme, Standard & Tools. HellasFish Project, January 2022 (online)
- Echoview training workshop. Myriax, (instructor: Toby Jarvis). Capo Granitola, Sicily, 8-9 April 2013
- Training Course: Stock Assessment (Introduction) (TCSAI), ICES, Copenhagen, Denmark, July 2012
- Training Course in Ecosystem Modelling for Fisheries Management, ICES, Copenhagen, Denmark, March 2011
- Integrating biogeochemical processes and fish dynamics in food web models for end-to-end conceptualization of marine ecosystems. Theory and use of Ecopath with Ecosim, by V. Christensen, Trieste, Italy, November 2007

- Theory and application of “Ecopath with Ecosim” modeling software, by M. Coll, Heraklion, Greece, November 2006
- Ecosystem based management, by T. Pitcher, Heraklion, Greece, April 2005
- Hydroacoustic applications in Fisheries Science, Hellenic Network for Marine Technology and Development, Heraklion, Greece, October 2004

Theses

- **Tsagarakis, K.**, 2011. Factors affecting the variability of small pelagic fish schools and exploration of their role in the ecosystem using ecological models. PhD Thesis. University of Crete, Department of Biology and Institute of Marine Biological Resources HCMR, Supervisor: Prof. I. Karakassis
- **Tsagarakis, K.**, 2005. Changes in community metrics of trawl fishery discards. MSc thesis. University of Crete, Department of Biology and HCMR Institute of Marine Biological Resources. Supervisors: Dr. A. Machias, Prof. I. Karakassis
- **Tsagarakis, K.**, 2002. Systematics and Creation of Photographic Atlas for Meso-zooplanktonic Organisms. Undergraduate thesis. National and Kapodistrian University of Athens, Department of Biology, Section of Zoology and Marine Biology. Supervisor: Prof. G. Verriopoulos.

Publications in Peer-Reviewed Journals

- Sgardeli V., Papantoniou G., Tsoukali S., Liontakis A., Tsagarakis K., Vassilopoulou V., Giannoulaki M., In Press. The Eastern Ionian Demersal Fishery: Laying the foundation for Ecosystem Based Fisheries Management. *ICES Journal of Marine Science*.
- Quintela M., Mateos-Rivera A., Lille-Langøy R., Besnier F., Tsagarakis K., Rodríguez-Ezpeleta N., Bao-Domínguez M., Wiech M., Giulietti L., Rábade-Uberos S., Saborido-Rey F., Chlaida M., Strand E., Knutar S., García-Seoane E., Melle W., Axelsen B.-E., Glover K., In Press. Genetics in the ocean’s twilight zone: Population structure of the Mueller’s pearlside across its distribution range. *Evolutionary Applications*.
- Beukhof E., Uhlmann S.S., van der Reijden K.J., Anastasopoulou A., Altuna-Etxabe M., Astarloa A., Basurko O.C., Binch L., Bluemel J.K., Carbonara P., Dinesen G.E., Eigaard O.R., Festjens F., Girardin R., Halouani G., Kempf A., MacMillan I., Papadopoulou N., Potier M, Romagnoni G., Seghers S., Smith C.J., Spedicato M.T., Thorpe R.B., Tsagarakis K., Van Hoey G., Piet G., Reid D., Rindorf A., Brown E.J., 2026. From bycatch to litter: a systematic map of the ecological impacts of fishing in European seas. *Reviews in Fish Biology and Fisheries* 36, 9. doi: 10.1007/s11160-025-10013-4
- Papantoniou G., Sgardeli V., Vassilopoulou V., Tsagarakis K., 2025. Investigating the potential impacts and interactive effects of climate warming and multi-gear fishing on the Eastern Ionian Sea ecosystem using EwE and ecological indicators. *Frontiers in Marine Science* 12. doi: 10.3389/fmars.2025.1621603
- Alamanellis A., Kapelonis Z., Giannoulaki M., Raitsos D.E., Valavanis V.D., Tsagarakis K., 2025. Predicting the spatial distribution of the mesopelagic fish *Maurolucus muelleri* in the Eastern Mediterranean, utilizing ensemble modeling with acoustic measurements and environmental data. *ICES Journal of Marine Science* 82, fsaf178. doi: 10.1093/icesjms/fsaf178.
- Christou E.D., Dailianis T., Chatzinikolaou E., Karachle P.K., Damalas D., Tsagarakis K., Stroglyoudi E., Karris G., Zervoudaki S., Giannakourou A., Salomidi M., Reizopoulou S., 2025. Climate change in the “vulnerable” Eastern Mediterranean and adjacent areas: A literature review of ecological impacts and threats. *Marine Environmental Research* 211, 107390. doi: 10.1016/j.marenvres.2025.107390
- Raptis N., Papantoniou G., Raitsos D.E., Damalas D., Tsagarakis K., 2025. Ecopath Modelling Unravels the Food Web of the Gulf of Corinth, a deep Mediterranean Important Marine Mammal Area. *Deep-Sea Research Part I: Oceanographic Research Papers* 218, 104466. doi: 10.1016/j.dsr.2025.104466
- Despoti S., Solanou M., Tsoukali S., Valavanis V., Tsagarakis K., Giannoulaki M., 2025. Uncovering Sea Turtle Strandings in the Greek Seas (Eastern Mediterranean Sea): Spatiotemporal Patterns and Signs of Anthropogenic Interaction. *Aquatic Conservation: Marine and Freshwater Ecosystems* 35, e70066. doi: 10.1002/aqc.70066
- Quintela M., García-Seoane E., Dahle G., Klevjer T., Melle W., Lille-Langøy R., Besnier F., Tsagarakis K., Geoffroy M., Rodríguez-Ezpeleta N., Jacobsen E., Côté D., Knutar S., Unneland L., Strand E., Glover K., 2024. Genetics in the ocean’s twilight zone: Population structure of the glacier lanternfish across its distribution range. *Evolutionary Applications* 17(11), e70032. doi: 10.1111/eva.70032
- Li Veli D., Baez Barrionuevo J.C., Bargione G., Barone G., Bdioui M., Carbonara P., Carpentieri P., Faim R. M., Follesa C., Gokce G., Mahmoud, H. H., Ligas A., Malouli Idrissi M., Moramarco G., Panayotova M., Petetta A., Sacchi J., Tsagarakis K., Virgili M., Lucchetti A., 2024. Assessing the vulnerability of sensitive species in Mediterranean fisheries: Insights from Productivity-Susceptibility Analysis (PSA). *Frontiers in marine science* 11, 1411033. doi: 10.3389/fmars.2024.1411033
- Badouvas N., Tsagarakis K., Somarakis S., Karachle P.K., 2024. Feeding habits and prey composition of six mesopelagic fish species from an isolated Central Mediterranean basin. *Fishes* 9,

277. doi: 10.3390/fishes9070277
- Roussos E., Triantaphyllidis G., Ilia V., Tsagarakis K., Machias A., Tziveleka L.-A., Roussis V., Ioannou E., Kotzamanis Y., 2024. Status of Fishery Discards and By-Products in Greece and Potential Valorization Scenarios towards a National Exploitation Master Plan. *Marine Drugs* 22(6), 264. doi: 10.3390/md22060264
 - Tsagarakis K., Zupa W., Ligas A., Musumeci C., Tserpes G., Spedicato M.T., 2024. Factors affecting the variability of discards in Mediterranean bottom trawl fisheries. *Fisheries Research* 274, 106979. doi: 10.1016/j.fishres.2024.106979
 - Dimarchopoulou D., Keramidas I., Tsagarakis K., Markantonatou V., Halouani G., Tsikliras A.C. 2024. Spatiotemporal fishing effort simulations and restriction scenarios in Thermaikos Gulf, Greece (northeastern Mediterranean Sea). *Ocean and Coastal Management* 247, 106914. doi: 10.1016/j.ocecoaman.2023.106914
 - Despoti S., Stergiou K.I., Tserpes G., Tsagarakis K., Vassilopoulou V., Valavanis V., Adamidou A., Giannoulaki M., 2024. Can we gain new knowledge from the discarded fraction of the low value commercial species of the bottom trawl fishery? An insight into the Eastern Mediterranean (Aegean Sea, Greece). *Hydrobiologia* 851, 129–146. doi: 10.1007/s10750-023-05318-z
 - Kapelonis Z., Siapatis A., Machias A., Somarakis S., Markakis K., Giannoulaki M., Badouvas N., Tsagarakis K., 2023. Seasonal patterns in the mesopelagic fish community and associated deep scattering layers of an enclosed deep basin. *Scientific Reports* 13, 17890. doi: 10.1038/s41598-023-44765-5
 - Siapatis A., Markakis K., Tsagarakis K., 2023. First record of the Atlantic soft pout *Melanostigma atlanticum* (Teleostei, Zoarcidae) in the eastern Mediterranean Sea. *Journal of the Marine Biological Association of the United Kingdom* 103, e82. doi: 10.1017/S0025315423000681
 - Papantoniou G., Zervoudaki S., Assimakopoulou G., Stoumboudi M.Th., Tsagarakis K., 2023. Ecosystem-level responses to multiple stressors using a time-dynamic food-web model: The case of a re-oligotrophicated coastal embayment (Saronikos Gulf, E Mediterranean). *Science of The Total Environment* 903, 165882. doi: 10.1016/j.scitotenv.2023.165882
 - Badouvas N., Somarakis S., **Tsagarakis K.**, 2022. Length–weight relations of 16 mesopelagic fishes (Actinopterygii: Myctophiformes and Stomiiformes) from the eastern Mediterranean Sea. *Acta Ichthyologica et Piscatoria* 52, 279–283. doi: 10.3897/aiep.52.97577
 - Bastardie F., Feary D. A., Brunel T., Kell L.T., Doering R., ..., Tsagarakis K., Urtizberea A., Van Hoof L., Van Vlasselaer J. 2022. Ten lessons on the resilience of the EU Common Fisheries Policy -A call for adaptive, flexible and well-informed fisheries management in EU facing climate change and fuel use reduction targets. *Frontiers in Marine Science* 9, 947150. doi: 10.3389/fmars.2022.947150
 - Tsagarakis K., Libralato S., Giannoulaki M., Touloumis K., Somarakis S., Machias A., Frangoulis C., Papantoniou G., Kavadas S., Stoumboudi M.Th., 2022. Drivers of the North Aegean Sea ecosystem (Eastern Mediterranean) through time: insights from multidecadal retrospective analysis and future simulations. *Frontiers in Marine Science* 9, 919793. doi: 10.3389/fmars.2022.919793
 - Sarropoulou X., Tsaparis D., Tsagarakis K., Badouvas N., Tsigenopoulos C.S., 2022. Contrasting patterns of genetic diversity of three mesopelagic fishes in the Greek Seas. *Mediterranean Marine Science* 23, 536-545. doi: 10.12681/mms.28567
 - Dimarchopoulou D., Tsagarakis K., Sylaios G., Tsikliras A.C., 2022. Ecosystem trophic structure and fishing effort simulations of a major fishing ground in the northeastern Mediterranean Sea (Thermaikos Gulf). *Estuarine Coastal Shelf Science* 264, 107667. doi: 10.1016/j.ecss.2021.107667
 - Petriki O., Moutopoulos D. K., Tsagarakis K., Tsonki I., Papantoniou G., Mantzouni I., Barbieri R., Stoumboudi M., 2021. Assessing ecosystem trade-offs and fisheries-induced effects on the largest Greek lake (Lake Trichonis). *Water* 13, 3329. doi: 10.3390/w132333299
 - Papantoniou G., Giannoulaki M., Stoumboudi M. Th., Lefkaditou E., Tsagarakis K., 2021. Food web interactions in a human dominated Mediterranean coastal ecosystem. *Marine Environmental Research*, 172, 105507. doi: 10.1016/j.marenvres.2021.105507
 - Leonori I., Ticina V., Giannoulaki M., Hattab T., Iglesias M., Bonanno A., Constantini I., Canduci G., Machias A., Ventero A., Somarakis S., Tsagarakis K., Bogner D., Barra M., Basilone G., Genovese S., Juretic T., Gasperevic D., De Felice A., 2021. The history of acoustic surveys in the Mediterranean Sea. *Mediterranean Marine Science* 22, 751-768. doi: 10.12681/mms.26001
 - Tsagarakis K., Siapatis A., Badouvas N. 2021. First record of *Bathophilus nigerrimus* Giglioli, 1882 in the Greek Seas. In: Tsagarakis et al., 2021. New records of rare species in the Mediterranean Sea (October 2021). *Mediterranean Marine Science* 22, 627-652. doi: 10.12681/mms.26669
 - Despoti, S., Stergiou K.I., Machias A., Vassilopoulou V., Tsagarakis K., Valavanis V., Adamidou A., Giannoulaki M., 2021. Assessing the spatial distribution of five non-commercial fish species in the Aegean Sea (Greece, eastern Mediterranean Sea) based on discards data. *Regional Studies in Marine Science* 44, 101736. doi: 10.1016/j.rsma.2021.101736
 - Tsagarakis, K., Panigada S., Machias A., Giannoulaki M., Foutsis A., Pierantonio N., Paximadis G., 2021. Trophic interactions in the "small pelagic fish - dolphins - fisheries" triangle: Outputs of a modelling approach in the North Aegean Sea (Eastern Mediterranean, Greece). *Ocean & Coastal*

- Management 204, 105474. doi: 10.1016/j.ocecoaman.2020.105474
- Despoti, S., Milisenda, G., Ligas, A., Bentes, L., Maynou, F., Vitale, S., Garofalo, G., Sbrana, M., Erzini, K., Tserpes, G., Tsagarakis, K., Maina, I., Pyrounaki, M.-M., Papadopoulou, N., Machias, A., Colloca, F., Fiorentino, F., Stergiou, K.I., Giannoulaki, M., 2020. Marine spatial closures as a supplementary tool to reduce discards in bottom trawl fisheries: Examples from southern European waters. *Fisheries Research* 232, 105714. doi: 10.1016/j.fishres.2020.105714
 - Papapanagiotou, G., Tsagarakis, K., Koutsidi, M., Tzanatos, E., 2020. Using traits to build and explain an ecosystem model: Ecopath with Ecosim modelling of the North Aegean Sea (eastern Mediterranean). *Estuarine Coastal and Shelf Science* 236, 106614. doi: doi.org/10.1016/j.ecss.2020.106614
 - Dimarchopoulou, D., Keramidas, I., Tsagarakis, K., Tsikliras, A.C., 2019. Ecosystem Models and Effort Simulations of an Untrawled Gulf in the Central Aegean Sea. *Frontiers in Marine Science*, 6: 648.
 - Stithou, M., Vassilopoulou, V., Tsagarakis, K., Edridge, A., Machias, A., Maniopoulos, M., Dogrammatzi, A., Bellido, J.M., Carbonara, P., Carbonell, A., Lembo, G., 2019. Discarding in Mediterranean trawl fisheries—a review of potential measures and stakeholder insights. *Maritime Studies* 18(2), 225-238. doi: 10.1007/s40152-018-00131-0
 - Moutopoulos, D.K., Tsagarakis, K., Machias, A., 2018. Assessing ecological and fisheries implications of the EU landing obligation in Eastern Mediterranean. *Journal of Sea Research* 141, 99-111. doi: 10.1016/j.seares.2018.08.006
 - Damalas, D., Ligas, A., Tsagarakis, K., Vassilopoulou, V., Stergiou, K.I., Kallianiotis, A., Sbrana, M., Maynou, F., 2018. The “discard problem” in Mediterranean fisheries, in the face of the European Union landing obligation: the case of bottom trawl fishery and implications for management. *Mediterranean Marine Science* 19, 459-476. doi: 10.12681/mms.14195
 - Moutopoulos, D.K., Stouboudi, M.T., Ramfos, A., Tsagarakis, K., Gritzalis, K.C., Petriki, O., Patsia, A., Barbieri, R., Machias, A., Stergiou, K.I., Bobori, D.C., 2018. Food web modelling on the structure and functioning of a Mediterranean lentic system. *Hydrobiologia* 822, 259–283.
 - Maina, I., Kavadas, S., Machias, A., Tsagarakis, K., Giannoulaki, M. 2018. Modelling the spatiotemporal distribution of fisheries discards: A case study on eastern Ionian Sea trawl fishery. *Journal of Sea Research*, 139, 10-23.
 - Tsagarakis, K., Nikoloudakis, N., Papandroulakis, N., Vassilopoulou, V., Machias, A. 2018. Preliminary assessment of discards survival in a multi-species Mediterranean bottom trawl fishery. *Journal of Applied Ichthyology* 34, 842-849.
 - Tsagarakis K., Carbonell, A., Brčić, J., Bellido, J., Carbonara, P., Casciaro, L., Edridge, A., García, T., González, M., Krstulović Šifner, S., Machias, A., Notti, E., Papantoniou, G., Sala, A., Škeljo, F., Vitale, S., Vassilopoulou, V., 2017. Old Info for a New Fisheries Policy: Discard Ratios and Lengths at Discarding in EU Mediterranean Bottom Trawl Fisheries. *Frontiers in Marine Science* 4, 99.
 - Bundy, A., Chuenpagdee, R., Boldt, J.L., de Fatima Borges, M., Camara, M.L., Coll, M., Diallo, I., Fox, C., Fulton, E.A., Gazihan, A., Jarre, A., Jouffre, D., Kleisner, K.M., Knight, B., Link, J., Matiku, P.P., Masski, H., Moutopoulos, D.K., Piroddi, C., Raid, T., Sobrino, I., Tam, J., Thiao, D., Torres, M.A., Tsagarakis, K., van der Meeren, G.I., Shin, Y.-J., 2017. Strong fisheries management and governance positively impact ecosystem status. *Fish and Fisheries* 18, 412–439 doi: 10.1111/faf.12184.
 - Machias, A., Tsagarakis, K., Matsaganis, M., 2016. Greek fisheries and the economic crisis: structural analogies. *Ethics in Science and Environmental Politics* 16, 19-23.
 - Coll, M., Shannon, L.J., Kleisner, K.M., Juan-Jordá, M.J., Bundy, A., Akoglu, A.G., Banaru, D., Boldt, J.L., Borges, M.F., Cook, A., Diallo, I., Fu, C., Fox, C., Gascuel, D., Gurney, L.J., Hattab, T., Heymans, J.J., Jouffre, D., Knight, B.R., Kucukavsar, S., Large, S.I., Lynam, C., Machias, A., Marshall, K.N., Masski, H., Ojaveer, H., Piroddi, C., Tam, J., Thiao, D., Thiaw, M., Torres, M.A., Travers-Trolet, M., Tsagarakis, K., Tuck, I., van der Meeren, G.I., Yemane, D., Zador, S.G., Shin, Y.J., 2016. Ecological indicators to capture the effects of fishing on biodiversity and conservation status of marine ecosystems. *Ecological Indicators* 60, 947-962.
 - Tsagarakis, K., Bașusta, N., Bașusta, A., Biandolino, F., Bostancı, D., Buz, K., Djodjo, Ž., Dulčić, J., Gökoğlu, M., Gücü, A.C., Machias, A., Maravelias, C.D., Özvarol, Y., Polat, N., Prato, E., Vasilakopoulos, P., Yedier, S., 2015. New Fisheries-related data from the Mediterranean Sea (October, 2015). *Mediterranean Marine Science* 16, 703-713.
 - Crise, A., Kaberi, H., Ruiz, J., ..., Tsagarakis, K., Tsangaris, C., Tserpes, G., Tuğrul, S., Uysal, Z., Vasile, D., Violaki, K., Xu, J., Yükksek, A., Papanthassiou, E., 2015. A MSFD complementary approach for the assessment of pressures, knowledge and data gaps in Southern European Seas: The PERSEUS experience. *Marine Pollution Bulletin* 95, 28-39.
 - Kleisner, K.M., Coll, M., Lynam, C.P., Bundy, A., Shannon, L., Shin, Y.-J., Boldt, J.L., Maria F, B., Diallo, I., Fox, C., Gascuel, D., Heymans, J.J., Juan Jordá, M.J., Jouffre, D., Large, S.I., Marshall, K.N., Ojaveer, H., Piroddi, C., Tam, J., Torres, M.A., Travers-Trolet, M., Tsagarakis, K., van der Meeren, G.I., Zador, S., 2015. Evaluating changes in marine communities that provide ecosystem services through comparative assessments of community indicators. *Ecosystem Services* 16, 413–

429.

- Tsagarakis, K., Giannoulaki, M., Pyrounaki, M.M., Machias, A., 2015. Species identification of small pelagic fish schools by means of hydroacoustics in the Eastern Mediterranean Sea. *Mediterranean Marine Science* 16, 151-161.
- Halouani, G., Gascuel, D., Hattab, T., Lasram, F.B.R., Coll, M., Tsagarakis, K., Piroddi, C., Romdhane, M.S., Le Loc'h, F., 2015. Fishing impact in Mediterranean ecosystems: an EcoTroph modeling approach. *Journal of Marine Systems* 150, 22-33.
- Tsagarakis, K., Palialexis, A., Vassilopoulou, V., 2014. Mediterranean fishery discards: review of the existing knowledge. *ICES Journal of Marine Science* 71, 1219-1234
- Giannoulaki, M., Iglesias, M., Tugores, P., Bonanno, A., Patti, B., De Felice, A., Leonori, I., Bigot, J.L., Ticina, V., Pyrounaki, M., Tsagarakis, K., Machias, A., Somarakis, S., Schismenou, E., Quinci, E., Basilone, G., Cuttitta, A., Campanella, F., Miquel, J., Onate, D., Roos, D., Valavanis, V., 2013. Characterising the potential habitat of European anchovy *Engraulis encrasicolus* in the Mediterranean Sea, at different life stages. *Fisheries Oceanography* 22, 69-89.
- Mytilineou, C., Tsagarakis, K., Bekas, P., Anastasopoulou, A., Kavadas, S., Machias, A., Haralabous, J., Smith, C.J., Petrakis, G., Dokos, J., Kapandagakis, A., 2013. Spatial distribution and life-history aspects of blackspot seabream *Pagellus bogaraveo* (Osteichthyes: Sparidae). *Journal of Fish Biology* 83, 1551-1575.
- Tsagarakis, K., Mytilineou, C., Haralabous, J., Lorance, P., Politou, C.-Y., Dokos, J., 2013. Mesoscale spatio-temporal dynamics of demersal assemblages of the Eastern Ionian Sea in relationship with natural and fisheries factors. *Aquatic Living Resources* 26, 381-397.
- Tsagarakis, K., Giannoulaki, M., Somarakis, S., Machias, A., 2012. Variability in positional, energetic and morphometric descriptors of European anchovy *Engraulis encrasicolus* schools related to patterns of diurnal vertical migration. *Marine Ecology Progress Series* 446, 243-258.
- Tsagarakis, K., Pyrounaki, M.M., Giannoulaki, M., Somarakis, S., Machias, A., 2012. Ontogenetic shift in the schooling behaviour of sardines, *Sardina pilchardus*. *Animal Behaviour* 84, 437-443.
- Tsagarakis, K., Vassilopoulou, V., Kallianiotis, A., Machias, A., 2012. Discards of the purse seine fishery targeting small pelagic fish in the Eastern Mediterranean Sea. *Scientia Marina* 76, 561-572.
- Giannoulaki, M., Pyrounaki, M.M., Liorzou, B., Leonori, I., Valavanis, D.V., Tsagarakis, K., Machias, A., Bigot, J.L., Roos, D., De Felice, A., Ameri, E., 2011. Habitat suitability modelling for sardine (*Sardina pilchardus*) juveniles in the Mediterranean Sea. *Fisheries Oceanography* 20, 367-382.
- Tugores, M.P., Giannoulaki, M., Iglesias, M., Bonanno, A., Ticina, V., Leonori, I., Machias, A., Tsagarakis, K., Díaz, N., Giráldez, A., Patti, B., De Felice, A., Basilone, G., Valavanis, V., 2011. Habitat suitability modelling for sardine *Sardina pilchardus* in a highly diverse ecosystem: the Mediterranean Sea. *Marine Ecology Progress Series* 443, 181-205.
- Tsagarakis, K., Coll, M., Giannoulaki, M., Somarakis, S., Papaconstantinou, C., Machias, A., 2010. Food-web traits of the North Aegean Sea ecosystem (Eastern Mediterranean) and comparison with other Mediterranean ecosystems. *Estuarine, Coastal and Shelf Science* 88, 233-248.
- Tsagarakis, K., Machias, A., Somarakis, S., Giannoulaki, M., Palialexis, A., Valavanis, D.V., 2008. Habitat discrimination of juvenile sardines in the Aegean Sea using remotely sensed environmental data. *Hydrobiologia* 612, 215-223.
- Giannoulaki, M., Valavanis, D.V., Palialexis, A., Tsagarakis, K., Machias, A., Somarakis, S., Papaconstantinou, C., 2008. Modelling the presence of anchovy *Engraulis encrasicolus* in the Aegean Sea during early summer, based on satellite environmental data. *Hydrobiologia* 612, 225-240.
- Tsagarakis, K., Machias, A., Giannoulaki, M., Somarakis, S., Karakassis, I., 2008. Seasonal and temporal trends in metrics of fish community for otter-trawl discards in a Mediterranean ecosystem. *ICES Journal of Marine Science* 65, 539-550.

Book chapters

- Giannoulaki M., Schismenou E., Pyrounaki M.-M., Tsagarakis K., 2014. Habitat characterisation and migrations. In Ganias K. (ed). *Biology and Ecology of Anchovies & Sardines*, pp. 190-241. CRC Press, Boca Raton, FL
- Vassilopoulou V., Machias A., Tsagarakis K., 2007. By-catch and discards in multi-species fisheries and their impact in Hellenic waters, In C. Papaconstantinou, A. Zenetos, V. Vassilopoulou, G. Tserpes (eds), *State of Hellenic Fisheries*, pp. 251-260. HCMR publ., Athens

Conferences (selected)

International Scientific conferences

- Savina-Rolland M., Brown E., Melia P., Ibaibarriaga L., Taylor M., Asif F., Travers-Trolet M., Jacobsen N.S., Depestele J., Sys K., Brooks M., Carbonara P., Bui T.A., Politikos D., Gernez M., Gonzalez F., Ojaveer H., Neuenfeldt S., Kühn B., Henriksen O., Tsagarakis K., 2025. Winners and losers under changing oceans. Symposium "Operationalising European Ecosystem Based Fisheries Management" 2025, 30 June – 3 July, Brussels. *Book of Abstracts* p. 13
- Keramidas I., Tsagarakis K., Tsikliras A., Papantoniou G., 2025. Evaluating ecosystem model (EwE)

- derived indicators to track climate change impacts in the Aegean and Eastern Ionian Seas. Symposium “Operationalising European Ecosystem Based Fisheries Management” 2025, 30 June – 3 July, Brussels. Book of Abstracts p. 17
- Papantoniou G., Sgardeli V., Vassilopoulou V., Tsagarakis K., 2025. Cumulative and interactive effects of climate warming and multi-gear fishing on the Eastern Ionian Sea ecosystem using EwE. Symposium “Operationalising European Ecosystem Based Fisheries Management” 2025, 30 June – 3 July, Brussels. Book of Abstracts p. 34
 - Sgardeli V., Papantoniou G., Tsoukali S., Tsagarakis K., Liontakis A., Vassilopoulou V., Giannoulaki M., 2025. Simulating Fleet Dynamics and Ecosystem Responses in the Eastern Ionian Demersal Fishery. Symposium “Operationalising European Ecosystem Based Fisheries Management” 2025, 30 June – 3 July, Brussels. Book of Abstracts p.38
 - Tsimara E., Tsagarakis K., Somarakis S., Tzanatos E., 2025. Spatio-temporal patterns of the Mediterranean mesopelagic fish community: What can species composition and biological traits approaches tell us about the impact of climate change? ICES Annual Science Conference 2025. September, Klaipeda, Lithuania.
 - Vassilopoulou V., Tsagarakis, K., Politikos, D., Broderzen, M., 2025. Rising temperatures negatively affect maturity of the Mediterranean hake; but what about the toll taken on its reproduction potential by the low MCRS? 32nd International Congress for Conservation Biology, Brisbane/Meianjin, Australia, June 2025.
 - Sgardeli V., Giannoulaki M., Papantoniou G., Tsoukali S., Tsagarakis K., Liontakis A., Vassilopoulou V., 2024. The Eastern Ionian Demersal Fishery: A First Step Towards An Ecosystem Approach To Fisheries Management. GFCM Fish Forum 2024. In FAO. 2024. Forum on fisheries science in the Mediterranean and the Black Sea: Scaling up science for effective fisheries management – Antalya, Türkiye. FAO Fisheries and Aquaculture Proceedings, No. 75. Rome, p. 61. <https://doi.org/10.4060/cd1554en>
 - Tsagarakis K., Zupa W., Ligas A., Musumeci C., Tserpes G., Spedicato M.T., 2024. Modelling discards in Mediterranean bottom trawl fisheries in relation to environmental and fisheries related variables. GFCM Fish Forum 2024. In FAO. 2024. Forum on fisheries science in the Mediterranean and the Black Sea: Scaling up science for effective fisheries management – Antalya, Türkiye. FAO Fisheries and Aquaculture Proceedings, No. 75. Rome, p. 106-107. <https://doi.org/10.4060/cd1554en>
 - Tsagarakis K., Kapelonis A., Tzanatos E., Siapatis A., Somarakis S., 2024. Mesopelagic fish species composition in open seas and deep gulfs of the Greek Seas. GFCM Fish Forum 2024. In FAO. 2024. Forum on fisheries science in the Mediterranean and the Black Sea: Scaling up science for effective fisheries management – Antalya, Türkiye. FAO Fisheries and Aquaculture Proceedings, No. 75. Rome, p. 107. <https://doi.org/10.4060/cd1554en>
 - Papapanagiotou G., Tsagarakis K., Koutsidi M., Tzanatos E., 2021. Traits-based Ecopath with Ecosim modelling in the eastern Mediterranean Sea. ICES ASC 2021, September, Virtual event.
 - Kapelonis Z., Siapatis A., Machias A., Somarakis S., Markakis K., Giannoulaki M., Badouvas N., Tsagarakis K., 2021. Mesopelagic fish community and deep scattering layers in an Eastern Mediterranean Sea enclosed deep basin. ICES ASC 2021, September, Remote Conference.
 - Sarropoulou X., Tsaparis D., Tsagarakis K., Badouvas N., Tsigenopoulos C., 2021. Genetic diversity patterns of mesopelagic fish in the Greek Seas. HydroMedit 2021, Virtual event.
 - Petriki O., Tsagarakis K., Moutopoulos D.K., Stoumboudi M., 2021. Implementing multiple managerial and environmental scenarios in a Mediterranean lake. HydroMedit 2021, Virtual event.
 - Dimarchopoulou D., Keramidas I., Tsagarakis K., Tsikliras A.C., 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 (ICZEGAR) 14, 44
 - Tsagarakis K., Giannoulaki M., Steenbeek J., Valavanis V., Despoti S., Machias A., 2018. Modelling spatiotemporal ecosystem effects of the landing obligation in the North Aegean Sea (Greece). GFCM Fish Forum 2018, Book of abstracts p. 52-53
 - Dimarchopoulou D., Tsagarakis K., Tsikliras A., 2018. Modelling the food web of Thermaikos Gulf (northeastern Mediterranean Sea, Greece). GFCM Fish Forum 2018, Book of abstracts p. 87
 - Libralato S., Solidoro C., Akoglu E., Banaru D., Capet A., Daskalov G., Gregoire M., Kandilarov R., Lazzari P., Salihoglu B., Staneva J., Tsagarakis K., 2015. Scenarios of ecosystem health from End-to-End models of the Mediterranean Sea and Black Sea. PERSEUS Scientific Conference Integrated Marine Research in the Mediterranean and the Black Sea, Brussels, 7-9 December 2015, Conference Proceedings 178-182
 - Halouani, G., Gascuel, D., Hattab, T., Ben Rais Lasram, F., Coll, M., Tsagarakis, K., Piroddi, C., Romdhane, M.S., Le Loc’h., F., 2014. How fishing impacts Mediterranean marine ecosystems? An ecotroph modeling approach. Ecopath 30 Years Conference Proceedings. In. Fisheries Centre Research Reports, 2014, Volume 22, Number 3, 35-37
 - Hidalgo, M., Coll, M., Hinz, H., Catalán, I.A., Claudet, J., Demestre, M., Giannoulaki, M.,

- Heymans, J.J., Le Loch, F., Lindegren, M., Möllmann, C., Muntadas, A., Navarro, J., Olivar, M.P., Otero, J., Palomera, I., Piroddi, C., Steenbeek, J., Tsagarakis, K., and other WG COMEDA participants 2014. The ICES Working Group on Comparative Analyses between European Atlantic and Mediterranean marine ecosystems – a new effort towards developing Ecosystem-based Fisheries Management (WGCAMEDA). ICES ASC
- Libralato S., Solidoro C., Akoglu E., Ballerini T., Banaru D., Capet A., Daskalov G., Gregoire M., Kandilarov R., Lazzari P., Salihoglu B., Staneva J., Tsagarakis K., 2013. Assessing the ecological status of the Mediterranean and Black Seas. Steps toward operational applications of end-to-end modelling. 40th CIESM Congress, Marseille, 28 October - 1 November
 - Tsagarakis, K., Mytilineou, Ch., Haralabous, J., Lorange P., Politou, C.-Y., Dokos J. 2012. Effect of spatial and environmental factors on community metrics and diversity indices of the Ionian Sea (Eastern Mediterranean) megafaunal assemblages. Joint symposium of EC FP7 projects CoralFISH and DEEPFISHMAN: Ecosystem based management and monitoring in the deep Mediterranean & N. Atlantic., Galway, Ireland.
 - Tsagarakis, K., Palialexis, A., and Vassilopoulou, V. 2012. Review of existing knowledge on fishery discards in the Mediterranean Sea. Bergen, Norway, ICES CM 2012/C:26
 - Tsagarakis, K., Mytilineou, Lorange, P., Haralabous, J., C., Politou, C.-Y. Dokos J. 2012. Spatial and environmental factors affecting the biodiversity of the Ionian Sea (Eastern Mediterranean Sea, Greece) fish assemblages. 14th European Congress of Ichthyology, Liège, Book of abstracts p. 237
 - Tsagarakis, K., Haralabous, J., Mytilineou, C., Politou, C.-Y. Dokos J. 2012. Effect of spatial and environmental factors on community metrics of the Ionian Sea (Eastern Mediterranean Sea, Greece). 6th World Fisheries Congress, Edinburgh, Book of abstracts PA8.01 p. 170
 - Tsagarakis K., Coll M., Giannoulaki M., Machias A., Papaconstantinou C. 2011. Assessment of the Exploitation Status of the North Aegean Sea (Greece) Using A Mass-Balance Model. 141st Meeting of the American Fisheries Society, Seattle, September 2011, Book of abstracts P-355
 - Giannoulaki M., Iglesias M., Tugores Ferra P., Bonnano A., Quinci E., De Felice A., Gramolini R., Liorzou B., Tičina V., Pyrounaki M.M., Tsagarakis K., Machias A., Somarakis S., Schismenou E., Patti B., Basilone W., Leonori I., Miguel J., Oñate D., Roos D., Bigot J.-L., Valavanis V., 2010. Identifying the potential habitat of anchovy *Engraulis encrasicolus* during different life stages in the Mediterranean Sea. ICES CM 2010, Nantes, France, R:10
 - Tsagarakis K, A. Machias, M. Giannoulaki, M.-M. Pyrounaki, S. Somarakis, C. Papaconstantinou. 2009. Diurnal vertical migration of European anchovy in the Aegean Sea (Greece). 139th Meeting of the American Fisheries Society, Nashville, September 2009, Book of abstracts no 0048
 - Tsagarakis K., M. Coll, M. Giannoulaki, A. Kallianiotis, C. Papaconstantinou, A. Machias, 2009. Ecosystem structure and functional traits of the N. Aegean Sea (E. Mediterranean, Greece), In: Palomares, M.L.D., Morissette, L., Cisneros-Montemayor, A., Varkey, D., Coll, M., Piroddi, C. (eds.), *Ecopath 25 Years Conference Proceedings: Extended Abstracts*, pp. 84-85. Fisheries Centre Research Reports 17(3). Fisheries Centre, University of British Columbia [ISSN 1198-6727]. 165 p.
 - Tugores Ferra P., Giannoulaki M., Iglesias M., Bonnano A., Tičina V., Tsagarakis K., Machias A., Patti B., Leonori I., De Felice A., Campanella F., Díaz N., Giraldez A., Valavanis V., Papaconstantinou C., 2008. Habitat suitability modelling for sardine in a highly diverse ecosystem: the Mediterranean Sea. ICES CM 2010, Nantes, France, R:09
 - Papaconstantinou C., Tsagarakis K., Machias A., Somarakis S., Giannoulaki M., Valavanis V., Palialexis A., 2008. Habitat discrimination of juvenile European Anchovy in the Aegean Sea (Greece). 5th World Fisheries Congress, Book of abstracts p331
 - Giannoulaki M., Machias A., Valavanis V., Somarakis S., Palialexis A., Tsagarakis K., Papaconstantinou C., Spatial modeling of the European Sardine habitat in the Eastern Mediterranean basin using GAMs and GIS technology, 38th CIESM Congress, Istanbul April 2007, p 486

Greek scientific conferences

- Giannoulaki M., Solanou M., Despoti S., Tsoukali S., Valavanis V. and Tsagarakis K., 2022. Ten years of marine turtles stranding events in the Greek Seas. *Proceedings of the Marine and Inland Waters Research Symposium 2022*, 187-191.
- Giannoulaki M., Solanou M., Despoti S., Tsoukali S., Valavanis V., Tsagarakis K., Alexiadou P. and Frantzis A., 2022. Stranding events of small cetaceans in the Greek Seas: how many, where and why. *Proceedings of the Marine and Inland Waters Research Symposium 2022*, 193-197.
- Damalas D, Christou ED, Giannoulaki M, Tserpes G, Kapiris K, Stergiou KI, Kavadas S, Tsagarakis K, Maina I, 2018. Fisheries in the Korinthiakos Gulf and the recent jellyfish bloom. 12th Panhellenic Symposium of Oceanography and Fisheries, Corfu, Greece, Book of abstracts p. 108.
- Despoti S, Ligas A, Sbrana M, Tserpes G, Tsagarakis K, Pyrounaki MM, Papadopoulou N, Machias A, Stergiou KI, Giannoulaki M, 2018. Where is the discarded catch of species with Minimum Conservation Reference Size? 12th Panhellenic Symposium of Oceanography and Fisheries, Corfu, Greece, Book of abstracts p. 117.
- Tsagarakis K., M. M. Pyrounaki, M. Giannoulaki, S. Somarakis, A. Machias 2012. Ontogenetic

- changes in sardine schooling behaviour. Proceedings of the 10th Panhellenic conference on Oceanography and Fishery, Athens, May 2012, p. 172
- Tsagarakis K., M. Coll, M. Giannoulaki, S. Somarakis, C. Papaconstantinou, A. Machias 2010. Estimation of the exploitation status of the N. Aegean sea ecosystem using an ecosystem model. Proceedings of the 14th Panhellenic ichthyological symposium, Athens 6-9 May. p. 351-354
 - Pyrounaki M.M., M. Giannoulaki, K. Tsagarakis, A. Machias, 2009. Spatial modeling of the presence of juvenile sardine (*Sardina pilchardus* W.) in relation to satellite environmental data in the northern Aegean sea. Proceedings of the 9th Panhellenic conference on Oceanography and Fishery, Patra, May 2009, p 901-905
 - Tsagarakis K., M. Giannoulaki, M. M. Pyrounaki, S. Somarakis, A. Machias, 2009. Diurnal Vertical migration of european anchovy (*Engraulis encrasicolus*) in Aegean Sea (Greece). Proceedings of the 9th Panhellenic conference on Oceanography and Fishery, Patra, May 2009, p 783-788
 - Machias A., M. Giannoulaki, S. Somarakis, K. Tsagarakis, A. Siapatis, C. Stamataki, A. Kallianiotis, C. Papaconstantinou, 2007. Biomass estimation of anchovy and sardine stock in the Aegean Sea using acoustic methodology (2003 - 2006), Proceedings of the 13th Panhellenic ichthyological symposium, Mytilini, September 2007, p 253-256 (in greek with english abstract)
 - Giannoulaki M., A. Machias, V. Valavanis, A. Palialexis, S. Somarakis, K. Tsagarakis, C. Papaconstantinou, 2007. Habitat modelling of sardine using GAMs and GIS technology, Proceedings of the 13th Panhellenic ichthyological symposium, Mytilini, September 2007, p 57-60 (in greek with english abstract)
 - Tsagarakis K., S. Somarakis, M. Giannoulaki, A. Machias, V. Valavanis, A. Palialexis, C. Papaconstantinou, 2007. Habitat discrimination of juvenile anchovy and sardine in the Aegean Sea, Proceedings of the 13th Panhellenic ichthyological symposium, Mytilini, September 2007, p 69-72 (in greek with english abstract)
 - Tsagarakis K., A. Machias, I. Karakassis, S. Somarakis, 2006. Commercial target-species and main discarded species in Greek trawl fishery, Proceedings of the 8th Panhellenic conference on Oceanography and Fishery, Thessaloniki, June 2006, p 222 (in greek with english abstract)
- Presentations in Working Groups, Workshops and meetings (selected)
- Kapelonis Z., **Tsagarakis K.**, Pyrounaki M.M., Machias A., Somarakis S., Giannoulaki M. 2019. Acoustic biomass estimation and aggregation patterns of mesopelagic fish assemblages in Corinthiakos gulf (Eastern Mediterranean Sea). p.42-43. In: ICES. 2019. Working group on Fisheries Acoustics, Science and Technology (WGFAST). ICES Scientific Reports. 1:35. 89 pp. <http://doi.org/10.17895/ices.pub.5355>
 - Tzanatos E., Koutsidi M., Moukas C., Nikoliodakis N., **Tsagarakis K.**, Raitzos D.E., 2017. Biological Traits Analysis of fisheries resources: From the scale of populations to the Ecosystem Approach to Fisheries Management. 3rd International Workshop on Trait-based Approaches to Ocean Life, Solstrand, Bergen, Norway, 20-23 August 2017. <https://traitbased.w.uib.no/sample-page/>
 - **Tsagarakis K.**, Pyrounaki M.M., Machias A., Giannoulaki M., 2016. Anoxic conditions over the bottom: Can they affect small pelagic fish schools behavior and morphology? In: ICES. 2016. Final Report of the Working Group on Fisheries Acoustics, Science and Technology (WGFAST), 19-22 April 2016, Vigo, Spain. ICES CM 2016/SSGIEOM:21. 64 pp
 - Libralato S., Solidoro C., Ballerini T., Banaru D., Lazzari P., **Tsagarakis K.**, 2015. Steps toward operational applications of end-to-end modelling to assess the ecological status of the Mediterranean Sea. PERSEUS Scientific Workshop - Athens 2014, Book of Abstracts, ISBN 978-960-9798-02-0, p. 44
 - **Tsagarakis K.**, Libralato S., Solidoro C., Lazzari P., Machias A., Somarakis S., Giannoulaki M., Frangoulis C., 2014. Development of an end-to-end model for the North Aegean Sea ecosystem. PERSEUS Scientific Workshop - Athens 2014, Book of Abstracts, ISBN 978-960-9798-02-0, p. 61.
 - **Tsagarakis K.**, Vassilopoulou, V., 2014. WP 1. Review and analysis of scientific papers and technical reports on discards quantities, composition, practices and mitigation tools in the Mediterranean. DISCATCH 1st stakeholders meeting, 9 October 2014, Split, Croatia.
 - **Tsagarakis K.**, Somarakis S., Machias A., Giannoulaki M., 2013. WP4 – Integrated tools for environmental assessment in the Eastern Mediterranean. PERSEUS Umbrella Workshop, Barcelona 22-23 January
 - **Tsagarakis K.**, Karakassis I., Giannoulaki M., Somarakis S., Vassilopoulou V. and Machias A. Trends in metrics of fish community for otter-trawl discards in the Ionian Sea. GFCM 2nd Transversal Working Group on By-Catch (in collaboration with ACCOBAMS), 7-9 December 2011, Antalya, Turkey
 - **Tsagarakis K.**, Vassilopoulou V. and Machias A. Issues related to onboard sampling for assessing by-catch and discards in Greek waters. GFCM 2nd Transversal Working Group on By-Catch (in collaboration with ACCOBAMS), 7-9 December 2011, Antalya, Turkey
 - **Tsagarakis K.**, Vassilopoulou V., Kallianiotis A. and Machias A. Discards of the purse seine fishery for small pelagic fish in the Aegean and Ionian Seas. GFCM 2nd Transversal Working Group on By-Catch (in collaboration with ACCOBAMS), 7-9 December 2011, Antalya, Turkey

- **Tsagarakis K.**, Coll M., Glannoulaki M., Somarakis S., Machias A., 2009. Mass-balance modeling for the Ecosystem of N. Aegean Sea. MariFish, Work Package 7 - Mediterranean regional collaborative programme, Corsica, April 2009
- Machias A., Giannoulaki M., Somarakis S., Schismenou E., **Tsagarakis K.**, Siapatis A., Stamataki C., Vassilopoulou V., Kalianiotis A., Papaconstantinou c. 2007. Acoustic Biomass Estimates of Sardine in the Aegean Sea (June 2003, 2004, 2005 and 2006). GFCM SAC, Sub-Committee for Stock Assessment, Working Group on Small Pelagic Species, Athens, 11-14 September 2007.
- Somarakis S., Machias A., Glannoulaki M., Schismenou E., **Tsagarakis K.**, Siapatis A., Stamataki C., torre M., Anastasopoulou K., Vassilopoulou V., Kalianiotis A., Papaconstantinou C. 2007. Ichthyoplankton and acoustic biomass estimates of anchovy in the Aegean Sea (June 2003, June 2004, 2005 and 2006). GFCM SAC, Sub-Committee for Stock Assessment, Working Group on Small Pelagic Species, Athens, 11-14 September 2007
- Giannoulaki M., Schismenou E., Somarakis S., MachiAs A., **Tsagarakis K.**, Siapatis A., Kalianiotis A., Papaconstantinou c. 2007. Geostatistical analysis of co-occurring anchovy and sardine populations from acoustic and ichthyoplankton data in Aegean Sea and the effect of coastal topography on their spatial characteristics. GFCM SAC, Sub-Committee for Stock Assessment, Working Group on Small Pelagic Species, Athens, 11-14 September 2007.

Working groups (selected)

- GFCM Subregional Committee for the Eastern Mediterranean (SRC-EM). April 2025 (hybrid).
- Annual Meeting of the Pan-Mediterranean Acoustic Survey. April 2025 (hybrid).
- GFCM Working Group on the analysis of fisheries monitoring data (WGANALYSIS): Discards session. June 2023, FAO Headquarters, Rome, Italy (hybrid)
- ICES Working Group on Comparative Analyses between European Atlantic and Mediterranean Marine ecosystems to move towards an Ecosystem-based Approach to Fisheries. October 2022, Palermo (hybrid meeting).
- GFCM Workshop on Discards Estimation and Monitoring, 25 – 26 May 2022 (Online).
- MEESO Workshop on vessel-mounted acoustics for the assessment of mesopelagic species. May 2021 (Web meeting).
- Annual Meeting of the Pan-Mediterranean Acoustic Survey. April 2021 (Web meeting).
- ICES Working Group on Comparative Analyses between European Atlantic and Mediterranean Marine ecosystems to move towards an Ecosystem-based Approach to Fisheries. September 2020 (Web meeting).
- Annual Meeting of the Pan-Mediterranean Acoustic Survey. Athens, Greece, April 2019
- CES Working Group on Comparative Analyses between European Atlantic and Mediterranean Marine ecosystems to move towards an Ecosystem, Bilbao, May 2016
- Annual Meeting of the Pan-Mediterranean Acoustic Survey, 2016, Split, Croatia, 4-8 April 2016
- STECF-Expert Working Group 15-14. Landing Obligation - Part 6 (Fisheries targeting demersal species in the Mediterranean Sea). Ancona, Italy, 12-16 October 2015.
- ICES Working Group on Comparative Analyses between European Atlantic and Mediterranean Marine ecosystems to move towards an Ecosystem, Barcelona, March 2014
- Annual Meeting of the Pan-Mediterranean Acoustic Survey, 8-11 April 2014, Iraklion, Crete, Greece
- Annual Meeting of the Pan-Mediterranean Acoustic Survey, March 2013, Capo Granitola, Sicily
- GFCM 2nd Transversal Working Group on By-Catch (in collaboration with ACCOBAMS), 7-9 December 2011, Antalya, Turkey
- Annual Meeting of the Pan-Mediterranean Acoustic Survey, 2008, Athens, Greece

Educational activities

Courses

- National and Kapodistrian University of Athens, Interinstitutional Postgraduate Programme "Oceanography and Management of Marine Environment", courses «Fisheries Biology - Stocks», «Nekton: Structure, Functioning, Ecology» (2020-2026). Lectures: «Ecosystem Approach to Fisheries», «Mesopelagic Zone».
- Aristotle University of Thessaloniki, Department of Biology, Postgraduate Programme, direction Fisheries Biology and Management (2017-22). Lecture «Ecosystem models Ecopath with Ecosim».

Supervision

- Internships (9)
- BSc theses (2)
- MSc theses (advisory committee: 3; examining committee: 2)
- PhD theses (advisory committee: 1; examining committee: 3)

Invited speeches (selected)

- TREC Ceremony "Science and cooperation to tackle global challenges: towards a more sustainable life in our planet", Athens, Stavros Niarchos Foundation Cultural Center, 16/7/2024. Presentation title:

“Ecosystem modeling, fisheries ecology, fisheries impacts”.

- Fish-X project, 3rd Virtual Working Group (WG) Meeting “Looking into the future: Small-Scale Fisheries Digitalization in the Mediterranean Sea”. Invited panelist. April 2023
- University of Patras, Department of Biology, Postgraduate Programme Biological Sciences: Research and Applications. Seminars 2021 – 2022. Invited Speaker «Twilight Zone: from the exploration to the research of the mesopelagic zone»

Citations (Feb 2026) 2210 (Google scholar), 1570 (Scopus)

Reviewer/Editor

- reviewer in >30 journals
- member of the editorial board of the journals: Mediterranean Marine Science, FISHERIES; review editor for Frontiers in Marine Science (sections: Marine Ecosystem Ecology; Marine Fisheries, Aquaculture and Living Resources)

Member in scientific committees

- 2023-now. Fisheries Council. HCMR Deputy member
- 2020-now. Committee for the support of the nationally coordinated network for the monitoring of marine strandings. HCMR Deputy member
- 2021-2023. Committee for the co-management of small scale fisheries of N. Cyclades. HCMR Deputy member
- 2015-2019. Committee for the Fisheries Improvement Programme for the small pelagic fisheries in Kavala. HCMR Deputy member