

Name: Maria Koutsodimou

Title: Biologist

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Educational profile:

- MSc in Environmental Health, National School of Public Health, NSPH Athens (2019)
- BSc in Biology, Faculty of Biology, School of Science, National and Kapodistrian University of Athens , NKUA (2014)
- BSc in Ichthyology, Faculty of Fisheries and Aquaculture, Messolongi (1997)

Professional Profile:

- 1997-today: Scientific personnel, Hellenic Centre of Marine Research (HCMR), Attica, Greece
 - A. Institute of Aquaculture 1997-2004
 - B. Institute of Marine Biological Resources and Inland Waters (2004-today)

Recent Research Interests:

- Implementation of the European Water Framework Directive (2000/60/EU) on the Greek rivers - Reference conditions and classification of surface inland waters
- Evaluation of the ecological status of Greek rivers
- Identification and classification of fresh water benthic diatoms
- Environmental education – Environmental literacy projects

Participation in Projects, including:

- **TempQsim** (ENVK1-2001-00247) 2003-2006. «Evaluation and improvement of water quality models for application to temporary waters in Southern European catchments».

- **ANAPODARIS CRETE** 2005-2006. «Pilot study of the implementation of the WFD 2000/60 EU on a temporary river basin», a case study on «Evaluation of the ecological status of Anapodaris stream, Crete».
- **LIFE Environment** (LIFE05 ENV/GR/000245) 2005-2008. «Environmental friendly Technologies for agricultural development (The Evrotas river case)» .
- **European Researchers' Night:** 2007-2018+. REN ATHENS.
- **MIRAGE** (FP7-ENV-2007-1) 2009-2011. «Mediterranean Intermittent River ManAGEment» .
- **Μεσσηνιακά Ποτάμια** (Rivers in Messinia): 2010-2013.
- **EPPERAA - Eight Prefectures:** 2012-2015. Ecological quality monitoring of waters, rivers, littoral & transitional waters of Greece – Implementation of the Article 8 of the Directive 2000/60/EC, Eight Prefectures (Eastern Macedonia & Thrace, Epirus, Thessaly, Ionian Islands, Western Greece, Peloponnese, Northern Aegean and Crete).
- **EPPERAA – Western-Central Greece, Attica, Central Macedonia, Western Macedonia, Southern Aegean:** 2012-2015. Ecological quality monitoring of waters, rivers, littoral & transitional waters of Greece – Implementation of the Article 8 of the Directive 2000/60/EC, Prefecture of Western-Central Greece.
- **GlobAqua:** 2014-2019. Managing the effects of multiple stressors on aquatic ecosystems under water scarcity.
- **ΥΜΕΠΕΡΑΑ-ΟΠΥ:** 2017-2023. Monitoring and Recording of the Water Status (Quality, Quantity, Pressures, Use) in Greece.
- **RESILIENT: 2018-2019.** Population assessment of the Corfu killifish and other Greek endemic freshwater species using established and innovative methods.
- **COASTAL:** 2018-2022. Collaborative Land-Sea Integration Platform.
- **ALMYROPOTAMOS (2023-2025)**
- **Water Matters (2022-2024)**
- **Kastoria Stations : 2025- present** Water Monitoring through Automatic Stations for Risk Management from Natural and Anthropogenic Disasters. The water monitoring network of automatic stations operated by HCMR (<https://hydro-stations.hcmr.gr/>) is expanding in Western Macedonia, specifically in the wider area of Lake.
- **WFD monitoring of the Greek surface waters (2024-- present) :** Monitoring and recording the status (quality, quantity, pressures, use) of the country's rivers, transitional, and coastal waters.

Publications, including:

- **Koutsodimou, M.**, Apostolopoulou, N., Masouras, A., Tragaki, D., Smeti, E. **Phytobenthos biomass as a complementary tool for assessing the ecological status of rivers.** "HELECOS 11", Patras, Greece <https://helecocos11.upatras.gr/> **2023** p.213
- Smeti, E., Kalogianni, E., Karaouzas, I., Laschou, S., Tornés, E., Castro-Català, N., Anastasopoulou, E., **Koutsodimou, M.**, Andriopoulou, A., Vardakas, L., Muñoz, I., Sergi Sabater, S., Skoulikidis, N. Th. **Effects of olive mill wastewater discharge on benthic biota in Mediterranean streams,** Environmental Pollution, Volume 254, Part B, **2019**, 113057, ISSN 0269-7491, <https://doi.org/10.1016/j.envpol.2019.113057>
- Styllas, M., Dimitriou, E., Gritzalis, K., **Koutsodimou, M.**, Karaouzas, I., Skoulikidis, N., Gogou, A. **Mid-Holocene changes in the geochemical and biotic conditions of an aquatic ecosystem, in Eastern Mediterranean.** Ann. Limnol. - Int. J. Lim. **2018**, 54, 21 pp. 1-15
- Oikonomou A, Karaouzas I, Smeti E, Stefanidis K, Stoumboudi M, Anastasopoulou E, Andriopoulou A, Vavalidis T, Vardakas L, Vourka A, Giakoumi S, Gritzalis K, Dimitriou E, Zogaris S, Theodoropoulos C, Kalaitzakis N, Kalogianni E, Kapakos Y, Katsogiannou I, Colombari E, Kommatas D, Kouvarda T, Kouraklis P, Koutsikos N, **Koutsodimou M**, Lampou A, Markogianni V, Mentzafou A, Barbieri R, Panagiotou A, Papastergiadou E, Economou A, Economou E, Sperelakis E, Tachos V, Chatzinikolaou Y, Skoulikidis N **Greek Riverine Ecosystems with High Biodiversity** . "HELECOS 9", Heraklion-Crete, Greece **2018** p. 201
- Karaouzas I., Skoulikidis N., Andriopoulou A., **Koutsodimou M.**, Kouvarda Th., Gritzalis K. **(2015) Effects of multiple stressors on the ecological status of a Mediterranean intermittent river.** 11th National Symposium of Oceanography and Fisheries, Mytilini Lesvos, Greece. pp. 681-684
- Rigos, Γ., Grigorakis, K., **Koutsodimou, M.**, Gialamas, I., Fountoulaki, E., Nengas, I. **(2012) Comparison of muscle fatty acid and vitamin composition between wild and farmed common dentex (Dentex dentex).** J. Biol. Res.-Thessalon. 2012, 17, pp. 1-7
- Chatzinikolaou Y., **Koutsodimou M.**, Andriopoulou A. **(2010) Distribution of the Caddisfly Families in the Greek rivers.** Hellenic Society for Biological Sciences 32nd Scientific Conference Karpenisi, Greece. pp. 426-427
- **Koutsodimou M.**, Zervoudaki S., Verriopoulos G., **(2010) Seasonal distribution of Mesozooplankton in the Elefsis bay.** Hellenic Society for Biological Sciences 32nd Scientific Conference Karpenisi, Greece. pp. 168-169
- Gritzalis K, **Koutsodimou M**, Andriopoulou A., Kouvarda Th. **(2007) Ecological characteristics of the benthic fauna in the rivers of S. Euvoia.** Hellenic Society for Biological Sciences 29th Scientific Conference Kavala, Greece. pp. 70-71
- Andriopoulou A., Gritzalis K., **Koutsodimou M.**, Legakis A., Skoulikidis, N. **(2007) Seasonal variations of E.P.T. taxa in Krathis River (Achaia, Peloponnese, Greece).**

Hellenic Society for Biological Sciences 29th Scientific Conference Kavala, Greece.
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- Giagnisi M., Pagou K., **Koutsodimou M.**, Alexi M. (2006) **Monitoring of the microbiological quality of Thermaikos Gulf sea water during the period of 2000-2005.** 8th National Symposium of Oceanography and Fisheries, Thessaloniki, Greece, p. 19
- Cotou E., **Koutsodimou M.**, Nikolaidou A. (2004) **Biochemical biomarkers responses to suspended and resuspended particles.** CIESM -Rapp. Comm. Int. Mer Medit., Vol.37 p. 183
- Rigos, G., Tyrpenou, A.E., Nengas, I., Yiagnisis, M., **Koutsodimou, M.**, Alexis, M., Troisi, G.M. (2003). **Pharmacokinetics of flumequine and in vitro activity against bacterial pathogens of gilthead sea bream *Sparus aurata*.** Dis. Aquat. Org. 2003, 54, pp35-41
- Yiagnisi M., **Koutsodimou M.**, Andriopoulou A., Nengas, I., Rigos G., Alexi, M. (2001) **Influence of aquaculture on the microbiology of Pagasitikos Gulf sea water in Greece.** 10th National Congress of Ichthyologists, Chania Crete, Greece. pp 209-212
- Negkas I., **Koutsodimou M.**, Alexi M., Rigos G., Gialamas I., Fountoulaki E., Andriopoulou A., Christofilogiannis P., Sideri, A. (2000). **Effect of varying Vitamin C and E levels on the body composition and non specific immune system of the common dentex (*Dentex dentex*).** 6th Panhellenic Symposium on Oceanography and Fisheries, Chios, Greece. pp. 279-283
- Giagnisi M., Alexi M., **Koutsodimou M.**, Fountoulakis S., Negkas I., Andriopoulou A. (2000) **Study of the impact of fish farming activity on water quality.** 6th Panhellenic Symposium on Oceanography and Fisheries, Chios, Greece. pp. 279-283
- Fountoulaki E., Alexi M., Andriopoulou A., **Koutsodimou M.**, Negkas I., Venou V., Sideri K. (2000). **Effect of dietary protein to lipid ratio on growth and body composition of fingerling gilthead bream (*Sparus aurata* L.) at low temperatures.** 6th Panhellenic Symposium on Oceanography and Fisheries, Chios, Greece. pp. 370-373
- Alexis, M.N, Nengas, I. Fountoulaki, E., Papoutsis, E., Andriopoulou, A., **Koutsodimou, M.**, Gaubaudan, J. (1999). **Tissue ascorbic acid levels in European sea bass (*Dicentrarchus labrax*) and gilthead sea bream (*Sparus aurata* L.) fingerlings fed diets containing different forms of ascorbic acid.** Aquaculture 1999, 179, 1-4 pp. 447-456
- Rigos, G., Christophilogiannis, P., Yiagnisi, M., Andriopoulou, A., **Koutsodimou, M.**, Nengas, I., Alexis, M. (1999) **Myxosporean infections in Greek mariculture.** Aquaculture International 1999, 7, pp. 361–364
- Rigos, G., Grigorakis, K., Nengas, I., Christophilogiannis, P., Yiagnisi, M., **Koutsodimou, M.**, Andriopoulou, A., Alexis, M. (1998) **Stress-related pathology seems a significant obstacle for the intensive farming of common dentex, *Dentex***

dentex (Linnaeus 1758) . Bulletin- European Association of Fish Pathologists , 1998, 18(1) pp. 1-15

- Christofilogiannis, P., Yiagnisis M., Rigos G., Andriopoulou A, **Koutsodimou M.**, Anastasopoulou G., Alexis M., Richards R.H. (1997). **Study of the antibiotic resistance of fish bacterial pathogens reported in Greek Maricultures during the period 1994 - 1996.** 5th National Symposium of Oceanography and Fisheries, Kavala, Greece, p. 177-179
- Christofilogiannis P., Rigos G., Giagnisis M., Andriopoulou A., **Koutsodimou M.**, Anastasopoulou G., Alexis M., Richards R.H. (1997). **National Centre for Marine Research, Fish Nutrition & Fish Diseases Laboratory : Histopathological diagnostic findings of fish diseases reported in Greek Maricultures durring the period 1995 - 1996.** 5th National Symposium of Oceanography and Fisheries, Kavala, Greece, pp. 231-232