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**HERA KARAYANNI**

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**Research interests**

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Aquatic Microbial Ecology, Aquatic Microbial Food Webs, Microbial diversity and interactions, Protist grazing, Microbial Biogeography

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**University Education**

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PhD in Oceanology, University Aix-Marseille II, France (2004)  
MSc in Sciences of the Marine Environment, University Aix-Marseille II, France (1999)  
BSc in Biology, University of Athens (1997)

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**Professional Experience**

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2016-today	Assistant professor, Dept of Biological Applications and Technology, Univ of Ioannina-GR
2011-2016	Lecturer, Dept of Biological Applications and Technology, Univ of Ioannina-GR
2009-2010	Visiting Assistant Professor, Dept of Biological Applications and Technology, Univ of Ioannina-GR
2006-2007	Visiting Lecturer, Dept of Marine Sciences, Univ of the Aegean-GR

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**Undergoing projects**

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Impact of salinity change on microplastic-associated bacterial assemblages – SALMIPAB – AQUACOSM Grant for Transnational Access, 2020 – coordinator

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**Phd students (supervisor)**

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“Biogeography of unicellular eukaryotes in mountainous freshwater ecosystems” (PhD student S. Matsingo)  
“Microplastic pollution in aquatic ecosystems of Epirus and microplastic-associated microbial communities” (PhD student O. Piperagkas)  
“Study of the microbial food web in experimental systems of aquaculture and aquaponics” (PhD student S. Moschos)

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**List of Publications In International Journals**

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Moschos S, Piperagkas O, Karayanni H. Diverse, vertically and temporally persistent bacterial community in a shallow lake-water sediment site of a eutrophic lake, *Inland Waters* (accepted)

Macingo SC, Kormas K, Oikonomou A, Karayanni H. (2019) Taxa-area and distance-decay relationships of unicellular eukaryotes along an elevation gradient of mountainous freshwater ecosystems. *Journal of Plankton Research* 41(6):821-834 doi:10.1093/plankt/fbz066

Moustaka-Gouni M, Sommer U, Economou-Amilli A, Arhonditsis GB, Katsiapi M, Papastergiadou E, Kormas KA, Vardaka E, Karayanni H, Papadimitriou T (2019) Implementation of the Water Framework Directive: Lessons Learned and Future Perspectives for an Ecologically Meaningful Classification Based on Phytoplankton of the Status of Greek Lakes, Mediterranean Region. *Environmental Management*, 1-14

Karayanni H, Kormas KA, Moustaka-Gouni M, Sommer U (2019) Changes in Heterotrophic Picoplankton Community Structure after Induction of a Phytoplankton Bloom under Different Light Regimes. *Diversity* 11(10)

Tatsika S, Karamanoli K, Karayanni H, Genitsaris S (2019) Metagenomic Characterization of Bacterial Communities on Ready-to-Eat Vegetables and Effects of Household Washing on their Diversity and Composition. *Pathogens* 2019, 8, 37

- Karayanni H, Macingo SC, Tolis V, Alivertis D (2019) Diversity of Bacteria in Lakes with Different Chlorophyll Content and Investigation of Their Respiratory Activity through a Long-Term Microcosm Experiment. *Water*, 11, 467
- Meziti A, Tsementzi D, Rodriguez-R LM, Hatt JK, Karayanni H, Kormas K, Konstantinidis K (2018) Quantifying the changes in genetic diversity within sequence-discrete bacterial populations across a spatial and temporal riverine gradient. *The ISME journal*. DOI: 10.1038/s41396-018-0307-6
- Tsola SL, Renta C, Macingo SC, Karayanni H. (2018) Investigating size-fractionated chlorophyll a and phycocyanin temporal variations in a highly eutrophic lake and its isolated karstic springs. *Oceanological and Hydrobiological Studies*, 47(2): 118-127. DOI: <https://doi.org/10.1515/ohs-2018-0013>
- Kokkinos P, Karayanni H, Meziti A, Feidaki R, Paparrodopoulos S, Vantarakis A (2018) Assessment of the Virological Quality of Marine and Running Surface Waters in NW Greece: A Case Study. *Food Environ Virol*. <https://doi.org/10.1007/s12560-018-9344-6>
- Karayanni H, Meziti A, Spatharis S, Genitsaris S, Courties C, Kormas KA (2017) Changes in Microbial (Bacteria and Archaea) Plankton Community Structure after Artificial Dispersal in Grazer-Free Microcosms. *Microorganisms*, 5, 31
- Meziti A, Tsementzi D, Kormas KA, Karayanni H, Konstantinidis KT (2016) Anthropogenic effects on bacterial diversity and function along a river-to-estuary gradient in Northwest Greece revealed by metagenomics. *Environ Microbiol*, 18: 4640–4652
- Kormas KA, Pachiadaki MG, Karayanni H, Leadbetter ER, Bernhard JM, Edgcomb VP (2015) Inter-comparison of the potentially active prokaryotic communities in the halocline sediments of Mediterranean deep-sea hypersaline basins. *Extremophiles*
- Meziti A, Kormas KA, Moustaka-Gouni M, Karayanni H (2015) Spatially uniform but temporally variable bacterioplankton in a semi-enclosed coastal area *Syst Appl Microbiol*
- Kormas KA, Karayanni H, Christaki U, Giannakourou A, Assimakopoulou G, Olympia Gotsis-Skretas O (2014) Microbial Food Web Structure and Its Impact on Primary Production in a Meso-Oligotrophic Coastal Area (Pagasitikos Gulf, Aegean Sea). *Turkish Journal of Fisheries and Aquatic Sciences* 14: 527-537 doi:10.4194/1303-2712-v14\_2\_24
- Nikouli E, Kormas KA, Berillis P, Karayanni H, Moustaka-Gouni M (2013) Harmful and parasitic unicellular eukaryotes persist in a shallow lake under reconstruction (L. Karla, Greece). *Hydrobiologia* 718:73–83
- Oikonomou A, Katsiapi M, Karayanni H, Moustaka-Gouni M, Kormas KA (2012) Plankton microorganisms coinciding with two consecutive mass fish kills in a newly reconstructed lake. *TheScientificWorldJOURNAL The Scientific World Journal* Volume, Article ID 504135