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English MSc program "[Host-Microbe Interactions](#)"

Education

- 1994 B.Sc. Biology, National and Kapodistrian University of Athens, Greece.
- 1998 Ph.D. Zoology – Marine Biology, National and Kapodistrian University of Athens, Greece.

Professional experience

- 1992 – 1998 Assistant Researcher, Department of Zoology - Marine Biology, National and Kapodistrian University of Athens, Greece.
- 2000 – 2001 Post-doctoral fellow of the National Foundation of State Scholarships, Greece.
- 2000 – 2002 Post-doctoral investigator of the NATO Science Programme and the NASA Astrobiology Institute, Woods Hole Oceanographic Institution, U.S.A.
- 2002 – 2005 Research Associate, Department of Zoology - Marine Biology, National and Kapodistrian University of Athens, Greece.
- 2005 – present Assistant Professor (2005-2010), Associate Professor (2010-2015), Professor (2015-present), Department of Ichthyology & Aquatic Environment, University of Thessaly, Greece.

Scientific visits

- 1997 Postgraduate ERASMUS (EU) scholar at the Plymouth Marine Laboratory, U.K.
- 2000 Visiting scientist at the Trondhjem Research Infrastructure, Norway.
- 2005 Visiting scientist at the Institute for Biological Resources and Functions, Advanced Institute for Industrial Science and Technology, Tsukuba, Japan.
- 2007 Visiting scientist at the Winogradsky Institute of Microbiology, Russian Academy of Sciences, Moscow, Russia.

2013 Sabbatical in Dr. V. P. Edgcomb's laboratory, Woods Hole Oceanographic Institution, USA.
2023/4 Fulbright Visiting Scholar, Georgia Institute of Technology, Atlanta, GA, USA.

Undergoing projects

- 2018 – 2024 "Controlling mIcRobiomes CircuLations for bEtter food Systems" (CIRCLES). Horizon 2020, European Commission.
- 2018 – 2023 "Future growth in sustainable, resilient and climate friendly organic and conventional European aquaculture" (FutureEUAqua). Horizon 2020, European Commission.
- 2019 – 2023 "Insect meal as an alternative source of protein in the aquafeed for fish farming." National Strategic Reference Framework 2014 – 2020 (EU).
- 2020 – 2024 "Pan-European Lake Sampling - Microbial Eco-genomics (PELAGICS)", Institute of Hydrobiology, Ceske Budejovice, Czechia.
- 2023 – 2024 "Reuse of treated urban wastewater in agriculture: microbial load and resistance to antibiotics". University Research and Innovation Center "IASON", University of Thessaly, Greece,
- 2023 – 2025 "Circular economy in agricultural production: the cycle of nutrition between plants, fish and insects as a new system of food production with a low environmental footprint".

Recent peer-reviewed papers ([Total](#)=123; h-index=32 by Scopus, Web of Science, Google Scholar)

- Luna G-M, Quero G-M, Kokou F, Kormas KA (2022) [Time to integrate biotechnological approaches into fish gut microbiome research](#). Curr. Opin. Biotechnol. 73:121-127
- Mente E, Bousdras T, Feidantsis K, Panteli N, Mastoraki M, Kormas KA, Chatzifotis S, Piccolo G, Gasco L, Gai F, Martin SAM, Antonopoulou E (2022) [Tenebrio molitor larvae meal inclusion affects hepatic proteome and apoptosis and/or autophagy of three farmed fish species](#). Sci. Rep. 12,121
- Papadimitriou T, Katsiapi M, Stefanidou N, Paxinou A, Poulimenakou V, Laspidou CS, Moustaka-Gouni M, Kormas KA (2022) [Differential effect of hydroxyl peroxide on toxic cyanobacteria of hypertrophic Mediterranean waterbodies](#). Sustainability 14,123
- Moschos S, Kormas KA, Karayanni H (2022) [Prokaryotic diversity in marine and freshwater recirculating aquaculture systems](#). Rev. Aquacult. 14:1861-1886
- Tsoumalakou E, Mentis E, Kormas KA, Katsoulas N, Vlahos N, Kapsis P, Levizou E (2022) [Precise monitoring of lettuce functional responses to minimal nutrient supplementation identifies aquaponic system's nutrient limitations and their time-course](#). Agriculture 12,1278
- Demertzioglou M, Genitsaris S, Mazaris AD, Kyparissis A, Voutsas D, Kozari A, Kormas KA, Stefanidou N, Katsiapi M, Michaloudi E, Moustaka-Gouni M (2022) [A catastrophic change in a European protected wetland: from harmful phytoplankton blooms to fish and bird kill](#). Environ. Pollut. 312,120038
- Katsoulis-Dimitriou S, Lefkaditis M, Bampagannakos S, Kormas KA, Kyparissis A (2022) [Comparison of iCOR and Rayleigh atmospheric correction methods on Sentinel-3 OLCI images for a shallow eutrophic reservoir](#). PeerJ 10,e14311

- Panteli N, Demertzioglou M, Feidantsis K, Karapanagiotis S, Gkagkavouzis K, Kormas KA, Mente E, Mylonas C, Antonopoulou E (2022) [Advances in understanding the mitogenic, metabolic and cell death signaling in teleost development: the case of IGF in greater amberjack \(*Seriola dumerili*, Risso 1810\)](#). Fish Physiol. Biochem. 48:1665-1684
- Kormas KA, Nikouli E, Kousteni V, Damalas D (2023) [Midgut bacterial microbiota of 12 fish species from a marine protected area in the Aegean Sea \(Greece\)](#). Microb. Ecol. IN PRESS.
- Vlahos N, Berillis P, Levizou E, Patsea E, Panteli N, Demertzioglou M, Morfesis K, Voudouri G, Krigas N, Kormas K, Antonopoulou E, Mente E (2023) [Investigating salinity effects in brackish aquaponics systems: Evidencing the co-cultivation of the halophyte *Crithmum maritimum* with the euryhaline *Sparus aurata*](#). Appl. Sci. 13,3385
- Vlahos N, Levizou E, Patsea E, Tasiou K, Berillis P, Antonopoulou E, Bekiari V, Martou N, Morfesis K, Lazari D, Chatzimavroudis C-S, Krigas N, Kormas K, Mente E (2023) [Salinity affects the efficiency of a brackish aquaponics system of sea bass \(*Dicentrarchus labrax*\) and rock samphire \(*Crithmum maritimum*\)](#). Aquaculture 571,739493
- Rhoades J, Fotiadou S, Paschalidou G, Papadimitriou T, Ordóñez Á, **Kormas K**, Vardaka E, Likotrafti E (2023) [Microbiota and cyanotoxin content of retail spirulina supplements and spirulina supplemented foods](#). Microorganisms 11,1175