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Research interests

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

University Education

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)

Undergoing projects

- Assessment of the ecological situation of Igoumenitsa Gulf. Co-financed by the European Union (European Regional Development Fund- ERDF) and Greek national funds through the Operational Program "THESSALY- MAINLAND GREECE AND EPIRUS-2007-2013" of the National Strategic Reference Framework (NSRF 2007-2013) (2012-2015) – *coordinator*
- Prokaryotic and Protistan artificial community mixing: testing the environmental effect on grazing. EU-FP7ASSEMBLE Grant Agreement no 227799 (2013)
- Prokaryotic artificial community mixing: testing the "Everything is Everywhere" hypothesis in the Mediterranean Sea. EU-FP7ASSEMBLE Grant Agreement no 227799 (2011) – *coordinator*

Professional Experience

2011-present	Lecturer, Dept of Biological Applications and Technology, Univ of Ioannina-GR
2011	Visiting Scientist, Institute of Hydrobiology, Biology Centre of the Academy of Sciences, České Budějovice-CZ Visiting Scientist, Expedition DHABs-Mediterranean Sea, Voyage No AT18-13, Woods Hole Oceanographic R/V Atlantis
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
2005-2007	Ichthyologist, Directory for Fisheries, Prefecture of Piraeus, Ministry of Internal Affairs-GR Research assistant, Dept of Ichthyology and Aquatic Environment, Univ of Thessaly-GR
2002-2003	Ichthyologist, Directory for Veterinary and Fisheries, Prefecture of East Attica, Ministry of Agriculture-GR
2000	High School Assistant Teacher
2000-2001	Scientific fellow, HCMR, Anavissos-GR
1999	Scientific fellow, Faculty of Biology, Univ of Athens-GR

List of Publications In International Journals

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

- Karayanni H**, Kormas KA, Cragg S, Nicolaidou A. (2010) Establishment and succession of an epibiotic community on chromated copper arsenate (CCA) treated wood in Mediterranean waters. *Arch Environ Con Tox* 58:71–78, doi:10.1007/s00244-009-9346-3
- Karayanni H**, Christaki U, Van Wambeke F, Thyssen M, Denis M (2008) Heterotrophic nanoflagellate and ciliate bacterivorous activity and growth in the northeast Atlantic Ocean: a seasonal mesoscale study. *Aquat Microb Ecol* 51:169–181, doi: 10.3354/ame01181
- Dalby AP, Kormas KA, Christaki U, **Karayanni H** (2008) Cosmopolitan heterotrophic microeukaryotes are active bacterial grazers in experimental oil-polluted systems. *Environ Microbiol* 10: 47–56, doi:10.1111/j.1462-2920.2007.01428
- Karayanni H**, Christaki U, Van Wambeke F, Denis M, Moutin T (2005) Influence of ciliated protozoa and heterotrophic nanoflagellates on the fate of primary production in NE Atlantic Ocean. *J Geophys Res* 110, C07S15, doi:10.1029/2004JC002602
- Maixandau A, Lefèvre D, **Karayanni H**, Christaki U, Van Wambeke F, Thyssen M, Denis M, Fernández CI, Uitz J, Leblanc K, Quéguiner B (2005) Microbial community production, respiration and structure of the microbial food web of an ecosystem in the Northeastern Atlantic Ocean. *J Geophys Res* 110, C07S17, doi:10.1029/2004JC002694
- Karayanni H**, Christaki U, Van Wambeke F, Dalby A (2004) Evaluation of double formalin – Lugol’s fixation in assessing number and biomass of ciliates. An example of estimations at mesoscale in NE Atlantic. *J Microbiol Meth* 56 (3): 349-358
- Christaki U, Courties C, **Karayanni H**, Giannakourou A, Maravelias C, Kormas AK, Lebaron P (2002) Dynamic characteristics of *Prochlorococcus* and *Synechococcus* consumption by bacterivorous nanoflagellates. *Microb Ecol* 43:341-352