The research interests of MiCHAELE are … small. We investigate patterns and processes that underpin the distribution and abundance of microorganisms in various aquatic habitats.

Some of our quests deal with the following:

- How do aquatic microbial communities assemble?
- Which members of the microbial trophic web are the key players in defining and maintaining community structure?
- How do these trophic links change over time?
- What is the role of spatial structure in regulating the community’s stability?
- How do abiotic parameters regulate ecosystem functioning of microbial processes?
- What types of association exist between prokaryotes and aquatic animals?

Recent research projects:

- “Use of processed animal protein in fish meal of sea bream of sea bream (Sparus aurata)” Ministry of Rural Development and Food - GR.
- “The relative role of niche and neutral mechanisms in controlling phytoplankton genetic and morphological diversity” GSRT-GR.
- “Lakes under Reconstruction: Mathematical Modeling of Microcystis aeruginosa” GSRT-GR.
- “Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management” E.U. COST Action.
- “Cyanotoxins in fresh water. Advances in analysis, occurrence and treatment” GSRT-GR.
- “Ecological condition of the Igoumenitsa Bay, Ionian Sea, revealed by classical and modern methods” EU Cohesion Fund.

Recent publications:


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