

## «Laboratory of Environmental Microbiology and Virology-LEMV».

### General information:

The Laboratory of Environmental Microbiology and Virology-LEMV was officially founded by in 2023 (ADA: 6NΠΨ469B7Ξ-Φ3M). Our laboratory serves research and educational needs in the fields of Environmental Microbiology and Virology, with a particular emphasis on the areas of Molecular Environmental Microbiology and Virology, as well as Soil Microbial Ecology and Soil Microbiology.

### Supported courses:

Biology  
General Microbiology  
Environmental Microbiology  
Soil Health  
Disease Ecology  
Ecotoxicology

### Research interests:

The research interests of the laboratory focus on two main areas:

**1. Molecular Environmental Microbiology and Environmental Virology:** Study of interactions between microorganisms and their hosts in different environments, molecular ecology of microbes and viruses, development of innovative methods for studying microorganisms, molecular detection and characterization of microbes and viruses in biological and environmental samples, laboratory investigation of microbial and viral evolutionary factors impacting public health and ecosystem health.

**2. Microbial Ecology and Soil Microbiology:** Soil microbial ecology, impact of environmental pollutants on the composition and function of soil microbial communities (environmental toxicology), control of microbial activities affecting geochemical processes - biogeochemical cycles (geomicrobiology), study of environmental fate and behavior of agrochemicals and other xenobiotic substances (environmental pollution).

### Personnel:

Zaharoula Kyriakopoulou, Professor of Microbiology (Laboratory Director)  
Evangelia Papadopoulou, Assistant professor of Environmental Microbiology

### Contact:

Department of Environmental Sciences (ground floor) University of Thessaly, Gaiopolis  
Campus – Ring Road of Larissa-Trikala, GR41500 – Larissa

Tel: 2410-684611

e-mail: zahkyr@uth.gr