

**Curriculum Vitae**  
**Panagiotis Mizerakis**  
Biologist

**Personal information**

Full name: Panagiotis Mizerakis  
Date of birth: 15/08/91  
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**Education**

- 2009: Graduated from 3<sup>rd</sup> high school of Nikaia-Renti, Pireus with a degree of 17.8/20
- 2009-2014: Department of Biology, University of Patras
- 2012-2014: Diploma thesis in Unit of Microbiology, Department of Biology, University of Patras under the topic: “**Effects of different Nitrogen sources to growth and lipid accumulation in the oleaginous yeast *Yarrowia lipolytica* LGAM S (7) cultivated on pure glycerol**”

**Foreign languages:** Proficiency in English (University of Michigan)

**Laboratory skills:**

- **Microbial cultures:**
  - Preparation of liquid and solid media for microorganism cultivation (yeasts, bacteria, fungi).
  - Conducting experiments concerning microorganism cultivation on solid and liquid substrates
- **Classical Microbiology Techniques:**
  - Gram (+) and Gram (-) staining
  - Observation of microorganism morphology by optic microscope
  - Photometric analysis
- **Specialized Microbiology Techniques:**
  - Biomass determination from yeast and fungi cultures
  - Extraction of intracellular and extracellular total lipids from microbial cultures

- Fractionation of total lipids into neutral lipids, sphingolipids, phospholipids and glycolipids
- Acyl-esterification of lipids
- Extaction of total polysaccharides from microbial cultures
- Quantification of total proteins from microbial cultures
- Determination of enzymes activities
- Nile red staining and observation of neutral lipids by fluorescence microscope
- **Analytical Techniques:**
  - High Performance Liquid Chromatography (HPLC)
  - Gas Chromatography (GC)

### **Computer skills:**

- Microsoft office (Word, Excel, Powerpoint).
- Origin lab
- GiliSoft Video Editor
- Photoshop

### **Partitipation in EU/National projects**

- GSRT-EU: MicroOil- Research on Oleaginous Microorganisms and Development of New Biotechnological Processes, Aristeia I, 2013-2015

### **Participation in national/international conferences**

1) P.Mizerakis, D. Bellos, S. Bellou, S. Papanikolaou & G. Aggelis: «Effect of various nitrogen sources on the growth and lipid accumulation of the oleaginous yeast *Yarrowia lipolytica* cultivated on pure glycerol»

6th Mikrobiokosmos Conference 2015 «New Horizons in the Micro World», 3-5 April 2015, Athens

2) I.-E. Triantaphyllidou, S. Bellou, P. Mizerakis & G. Aggelis: «An insight in lipid metabolism in *Yarrowia lipolytica*»

6<sup>th</sup> Conference of Greek Lipid Forum «Current trends on lipids», 11-12 June 2015. Athens