

CURRICULUM VITAE

Perdikouli Nikolitsa

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Education

2016-today	Master Thesis in Microbiology Laboratory, Department of Biology, University of Patras
2016-today	MSc in Biological Engineering of the University of Patras, Department of Biology
2016 (1/6-31/7)	Placement (two months) in the laboratory of Endocrinology, University Hospital of Patras, Rio
2015-2016	Thesis in Microbiology Laboratory, Department of Biology, University of Patras, on: "DEGRADATION OF MICROORGANISMS STORAGE MATERIAL AND SELECTION OF OLEOGINUS STRAINS"
2012-2016	Graduate Department of Biology, University of Patras, grade 7.75 / 10
2012	Graduate 9 th General High School of Patras, grade 19.2 / 20

Capacities

❖ MICROBIOLOGY LABORATORY

Microbial cultures:

- Preparation of liquid and solid nutrient substrates for microorganisms cultures (bacteria, yeasts, fungi)
- Experiments in liquid and solid cultures of microorganisms

Classical microbiology techniques:

- Bacteria stains (Gram, Malachite green) & intracellular lipids of yeasts and fungi stains (Nile red)
- Observation of the morphology of the microorganisms in the optical microscope
- Observation of the yeasts and fungi intracellular lipids in the fluorescence microscopy
- Photometric assays (3,5-dinitrosalicylic acid method-DNS, Biuret method, Dubois method, Lowry method)

Specialized microbiology techniques:

- Biomass determination of yeasts and fungi
- Extraction of intracellular lipids (FOLCH method, Soxhlet)
- Quantitation of intracellular lipids, polysaccharides, proteins and organic acids
- Fractionation of total lipids to neutral lipids, phospholipids and sphingolipids,
- Transesterification of lipids

Analytical techniques:

- High Performance Liquid Chromatography (HPLC)
- Gas Chromatography (GC)

❖ ENDOCRINOLOGY LABORATORY

- Handling automatic analyzer that works with electrochemiluminescence

Conferences

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| 2017 (05/10) | Certificate of Participation (with oral presentation) at the 7 th Greek Lipid Forum Conference, "Patterns of lipid accumulation of oleaginous microorganisms and biotechnological perspectives" |
| 2016 (13-15/5) | Monitoring and Participation Certificate (with poster) at the 22 th Scientific Congress of Greek Medical Students, Conference and Cultural Center of University of Patras |

2013 (13-15/5) Certificate of Participation at the 14th Congress of Medical Chemistry and 20 FP7-SEE-Drug Workshop: Design and Development of Pharmaceutical Products, Conference and Cultural Center of University of Patras

Languages

English STATE CERTIFICATE OF FOREIGN LANGUAGE PROFICIENCY (B2 Level)

French Courses for 3 years (DELF A2)

Γνώση Η/Υ

- Microsoft office (Word, Excel, PowerPoint)
- Origin lab
- Photoshop
- GIS, for the course "Ecology II"
- MediLab, for the placement