

# Nikolaos Livakas

**Address:** Pantzeliou 22, Heraklion Crete

**Phone:** 0030 6984235968

**Email:** nlivakas@gmail.com

---

## OBJECTIVE

M.Sc. candidate in Material Science and Technology

---

## WORK EXPERIENCE

02/2019 - Current

**M.Sc. Thesis, Ultrafast Laser Micro and Nano Processing Laboratory at IESL-FORTH, Heraklion Crete Greece**

Project:

- Laser-assisted synthesis and modification of semiconducting nanomaterials for energy application

Supervisor: Dr. Emmanuel Stratakis

02/2017 – 09/2018

**Bachelor Thesis, Ultrafast Laser Micro and Nano Processing Laboratory at IESL-FORTH, Heraklion Crete Greece**

Project:

- Omnidirectional Iridescence via Cylindrically-Polarized Femtosecond Laser Processing

Supervisor: Dr. Emmanuel Stratakis

07/2015 – 09/2015

**Bachelor Internship, Laboratory of Environmental Fuels and Hydrocarbons at CPERI-CERTH, Thessaloniki Greece**

Project:

- Evaluation of catalysts for simultaneous removal of  $N_2O$  and  $NO$  in the presence of  $SO_2$  and  $H_2O$  and evaluation of oxygen carriers for the chemical looping combustion process (CLC)

Supervisors: Dr. Aggelos Lappas and Dr. Antonios C. Psarras

---

## EDUCATION

2008 - 2011

**High School Diploma**, 3 rd. Lyceum of Xortiaty- Filyro Thessaloniki

2011 - 2018

**Bachelor Degree in Material Science and Technology**, Department of Materials Science and Technology - University of Crete

2018 - Current

**M.Sc. Student in Material Science and Technology**, Department of Materials Science and Technology - University of Crete

---

**ADDITIONAL SKILLS**

Ultrafast laser pulses  
Laser processing  
UV-Vis spectrometer  
Photoluminescence spectroscopy  
XRD spectrometry  
Mass spectrometry  
Optical microscopy  
Scanning electron microscopy  
Transmission electron microscopy  
Semi-pilot reactor for chemical looping combustion  
Softwares: Microsoft office, Gwyddion, Origin Lab, ImageJ, Sketch up

---

**LANGUAGES**

Greek (native)

Certificate of Competency in English, University of Michigan.  
May 2009.

---

**CONFERENCES**

1<sup>st</sup> international conference on nanotechnologies and bionanoscience (Nanobio). Heraklion, Crete. 2018, Poster

---