

Andreas Hadjigeorgiou

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EDUCATION

- Sep. 2019 – present: **University of Cyprus, Cyprus**
PhD in the Department of Mechanical and Manufacturing Engineering
- Cancer and Biophysics Laboratory
 - Advisor: Prof. Stylianopoulos Triantafyllos
 - Dissertation title: ‘Optimizing the efficacy of immunotherapeutic drugs to solid tumours’
 - Specialization in Chemical and Biomedical Engineering
 - Teaching Assistant:
 - Modelling and Analysis of Dynamic Systems (Fall semester 2019 & Fall semester 2020)
 - Fluid Mechanics I (Spring semester 2020)
- Dec. 2013 – Jul. 2018: **National Technical University of Athens, Greece**
Diploma in Chemical Engineering
- GPA 9.58/10 (2nd out of 132)
 - 5-year Degree (300 ECTS)
 - Direction "Process Engineering"
 - Diploma thesis: "Computational analysis of biomolecular solution mixing in micromixers", under the supervision of Prof. Andreas Boudouvis and the cooperation of Dr George Kokkoris of the National Centre for Scientific Research “Demokritos”
- Sep. 2009 – Jun. 2011: **Apeition gymnasium Agrou, Agros, Cyprus.**
High School Certificate
- GPA 19.45/20
 - Direction subjects: Mathematics, Physics and Chemistry

EXPERIENCE

- Jul. 2019 - Aug. 2019: **Institute of Nanoscience & Nanotechnology**, National Centre for Scientific Research “Demokritos”, Athens
- Collaborated with Dr George Kokkoris in cleanroom environment
 - Developed microfluidic structures with two-step photolithography in SU-8 photoresist
 - Performed spin-coating with different size layers
- Jul. 2017 - Aug. 2017: **Internship at Kyperounda Winery**, Kyperounda, Limassol, Cyprus
- Involved in all aspects of production - fermentation, filtration, bottling, blending and wine analysis
 - Detected and successfully dealt with several problems in the production line

- Jul. 2011 – Jul. 2013: **Cyprus National Guard**, Cyprus, Human Resources Sergeant
- Planned, coordinated and monitored the day-to-day operations of the military company's HR Department, including soldier services, records, promotions, transfers, terminations, grievances and soldier compensation
 - Lead an outpost of 10 soldiers near the Green Line of Cyprus

PERSONAL SKILLS

Languages: Greek (mother)/ English (Pre-advanced)

Digital Competences: Programming experience in MATLAB and Fortran
Other experience: COMSOL Multiphysics, ASPEN, GAMS, SPSS
Microsoft Office Specialist-Master

ACCOMPLISHMENTS

- "Evagoras and Praxandos" scholarship from the University of Cyprus for PhD thesis, 2019-2020
- Awarded with the "Sarafi Award" for the highest average score during the 7th and 8th semesters at NTUA in 2016-2017
- Achieved 3rd place in AIChE's Greek regional Chem-E-Car Team Competition in 2016.
- Secured 1st place in "Root Challenge", a competition among 200 students requiring the development of a source code with the use of MATLAB to find the roots of an unknown mathematical equation with minimum computational cost in 2015
- Awarded with the "Christos Papakyriakopoulou Award" for the highest average score in the courses of Mathematics during the first four semesters at NTUA
- Achieved 3rd place at school of sergeants during military service from around 50 other sergeants in 2012
- Awarded for the highest score of 19.75/20.00 on the subject of Chemistry during the final Cyprus exams in 2011

PUBLICATION IN PEER-REVIEWED INTERNATIONAL JOURNAL

- A. G. Hadjigeorgiou, A. G. Boudouvis, G. Kokkoris, "Thorough computational analysis of the staggered herringbone micromixer reveals transport mechanisms and enables mixing efficiency-based improved design" (Under review)

CONFERENCE PRESENTATION

- A. G. Hadjigeorgiou, A. G. Boudouvis and G. Kokkoris, "Computational analysis of biomolecular solution mixing in micromixers with embossed herringbone", *12th Panhellenic Conference in Chemical Engineering 2019*, Athens, Greece, 29-31 May 2019