

# Maria-Eleni Samouilidou

Chemical Engineer - PhD Candidate



Thessaloniki, Greece



marilousam@gmail.com



+306974230151



linkedin.com/in/maria-eleni-samouilidou

Highly organized and detail-oriented PhD researcher. Creative problem solver with extensive experience in production scheduling and process optimization. Honours graduate of the Chemical Engineering department of Aristotle University of Thessaloniki.

## Education

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02/2022 - present

### PhD candidate

*Aristotle University of Thessaloniki, Department of Chemical Engineering*

- Research on the field of production scheduling of batch and continuous processes and development of optimization models/algorithms (e.g. MILP models)

10/2016 - 11/2021

### Diploma in Chemical Engineering (M.Eng)

*Aristotle University of Thessaloniki*

- Excellent academic record (GPA: 8.51/10)
- Diploma thesis: "*Production Scheduling of multi-product and multi-stage industrial facilities: Comparison between optimization and simulation-based approaches*"
- Capstone Design Project: "*Design, Techno-economic assessment and optimization of a Combined Heat and Power (CHP) unit for the hotel Makedonia Palace*"

2016

### Graduate Certificate of Studies

*28<sup>th</sup> General Lyceum of Thessaloniki*

- Graduated with distinction (GPA: 19.9/20)

## Professional Experience

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07/2021 - 09/2021

### Process Engineer Intern

*Encos Hellas*

- Research on the field of hydrogen production and methane pyrolysis
- Simulation of distillation processes and sensitivity analysis
- Weekly report submission

## Skills

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- Basic knowledge of software *Matlab, Aspen Plus, Unisim and Fortran*
- Advanced knowledge of software *GAMS, SchedulePro and MS Office*
- Good knowledge of *Production Scheduling and Optimization* algorithms
- Team worker, Problem solver, Goal-orientated, Public speaker

## Languages

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**English:** Certificate of Proficiency in English, Michigan State University

**Greek:** Native speaker