

Athina Bampzeli		Date of birth	2002-04-09
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ORCID	https://orcid.org/0009-0007-9879-8952	GitLab/GitHub	https://gitlab.com/Athina_Bampzeli https://github.com/athina-bampzeli

Education

- Department of Chemical Engineering, Aristotle University of Thessaloniki, Greece Oct 2020-Dec 2025
 - Integrated Master's Degree in Chemical Engineering (1st Class Honours)
- High School, Hellenic College of Thessaloniki (Mark 20/20). Sep 2017-June 2020

Languages: Greek (native), English (C2), German (B2)

Digital skills

gPROMS ●●●●●, Unisim ●●●●●, GAMS ●●●●●, ESATAN-TMS ●●●●●, Python ●●●●●, Matlab ●●●●●, Fortran, Simcenter, R, AutoCAD, SPSS, Ubuntu, Wireshark, CrypTool, Virtual Machines, Google Suite, LaTeX

Work experience

Cybersecurity intern, Olympia Electronics. Full time. Fixed-term. Oct 2025-Dec 2025

Chemistry tutor of high school students. Part time. Fixed-term. Sep 2023-May 2024

Publication: Bampzeli, A., Charakleias, E., & Georgiadis, M. C. (2026). Modeling, simulation and optimization of integrated milk pasteurization and membrane filtration processes. *Food and Bioprocess Technology*, 157, 583-599. <https://doi.org/10.1016/j.fbp.2026.04.006>

Research projects

Thermal Engineer at the AcubeSAT nanosatellite project of the SpaceDot team. Part time. Mar 2024-Jan 2026

Modeling, Simulation and Optimization of Integrated Milk Pasteurization and Membrane Filtration Processes (Diploma Thesis in collaboration with **Siemens**). Mark 10/10. Oct 2024-Dec 2025

Techno-economic study of propylene production (Capstone Design project). Mark 8/10. Oct 2024-May 2025

Design of an effervescent tablet of coffee for the Ecotrophelia competition. Jan 2024-June 2024

Volunteering

Member of the European student organisation BEST Thessaloniki. Full time. Fixed-term. Nov 2021-Mar 2024

Distinctions

- 1st admitted** to the Chemical Engineering department at AUTH succeeding in the Panhellenic exams (final score 18600/20000). Achieved the **highest overall grade** in my school across 150 academic tracks. June 2020
- Distinctions in student **competitions** in eco-innovative food products (Ecotrophelia), global problems (Invent for the Planet), physics, mathematics, science experiments, rhetoric, EU engagement (Euroscola). 2012-2024

Conferences and Seminars

AcubeSAT Payload EQM TVAC Test Campaign, Participant, ESA FYS! 3 Oct 2025

Space Standards Training Course, Participant, **ESA** Academy June 2025

"Cybersecurity and Mathematics", **Speaker**, 15th International Week Dedicated to Maths 2025 May 2025

Cybersecurity Seminar, Participant, AUTH-Google.org Dec 2024-May 2025

Uncertainty Quantification in Numerical Simulations, Participant, École des ponts ParisTech Nov 2024

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Optimization Methods for Energy Systems Engineering, Participant, **Princeton** Athens Center July 2024
14th Panhellenic Scientific Conference on **Chemical Engineering**, Attendee, Thessaloniki May 2024
Empowering Women **Entrepreneurship** Erasmus+ course, Participant, Castellamare di Stabia September 2022