

Curriculum Vitae

Personal details

- **Name:** Ana-Marija Pitner
- **Address:** Kivitaskunkatu 3, Turku, Finland
- **LinkedIn:** <https://www.linkedin.com/in/ana-marija-pitner-929797251/>
- **Date of CV:** 25.08.2025
- **Language:** Croatian (Native), English (Fluent), Finnish (Beginner)

Degrees

- **Master engineer of Environmental engineering** (Sep 2021 – Sep 2023)
Faculty of Chemical Engineering and Technology, University of Zagreb, Croatia.
Thesis: Investigation of photocatalytic removal of amoxicillin by Fe₂O₃/TiO₂ immobilized on glass support
- **Bachelor of Environmental engineering** (Sep 2017 – Sep 2021)
Faculty of Chemical Engineering and Technology, University of Zagreb, Croatia.
Thesis: Photocatalytic reduction of carbon dioxide

Other education and expertise

- **ERASMUS + mobility program** (Jan 2023 – May 2023)
Faculty of Science, Åbo Akademi University, Finland.

Current employment

- **Project Researcher** (May 2025 – Present)
Materials Engineering, University of Turku, 20014 Turku, Finland.
Roles:
 - synthesis of highly durable nanowires for flexible electronics
 - characterization of materials with various methods: XRD, UV-VIS, SEM, AFM
 - teaching activity: Imaging Methods for Materials Research (MTEK0034-3001)
 - supervision of BSc student (come up with thesis)**Title:**

Previous work experience

- **Research intern** (Nov 2021 – Dec 2022)
Department of Polymer Engineering and Organic Chemical Technology
Faculty of Chemical Engineering and Technology, University of Zagreb, Croatia
 - characterization of chemical interactions between organic pollutants and microplastics
 - testing catalytic activity of photocatalysts for the removal of organic pollutants from water
 - preparing the samples and characterization using HPLC
- **Student Internship** (Jun 2021 – Jul 2021)

Ruđer Bošković Institute, Zagreb, Croatia

- studying influence of atmospheric aerosols on the biochemical response of phytoplankton cultures

• **Sales Assistant**

(Aug 2023 – Feb 2024)

Meteora Unique Jewelry Store, Zagreb, Croatia

- Managed store operations, including customer service and sales transactions

• **Donation Program Representative**

(May 2020 – Dec 2021)

UNICEF, Zagreb, Croatia

- engaged with the public to promote UNICEF initiatives

- successfully secured over 100 donation agreements

• **Coordinator**

(Jun - Sept 2017 & 2018)

Ultra-Sailing Croatia I Dubrovnik, Croatia

(2 summer seasons)

- managed logistics for sailing boat rentals, checking safety regulations

Publications

1. A. Kumar, R. Gogoi, A. Barua, A.M. Pitner, K. Kolpakov, S. Granroth, C. Kumar, T. Laukkanen, G. Mohanty, C. Kvarnström & V. Sharma*, *Enhancing durability of flexible and transparent sensors via MXene-based surface passivation of copper nanowires*. Manuscript under preparation.

2. R. Gogoi, A. Kumar, A. Barua, A.M. Pitner, L. Broere, C. Kumar, G. Mohanty & V. Sharma*, *Lateral size-dependent coating of 2D MXenes on copper nanowires for enhanced durability in flexible electronics*. Manuscript under preparation.

Awards and honors

• **Student scholarship** of Ministry of Science, Education and Youth, Republic of Croatia

- for BSc studies; academic years 2018-2019 and 2019-2020

- for MSc studies; academic years 2021-2022 and 2022-2023

amount: 1200 HRK/month (est. 160€/month)

• **Travel grants**

Faculty of Chemical Engineering and Technology, University of Zagreb, Croatia.

For conference participation:

- XIV Meeting of Chemists and Chemical Engineers, Zagreb, Croatia (Feb 2022)

- 3rd International Conference on Environmental Protection, Split, Croatia (Apr 2022)

- 2nd International Students' Green Conference, Osijek, Croatia (Jun 2022)