

ALBERT KRAVOS

Chemist & engineer

Koper, Slovenia | albert.kr.avos+web@gmail.com

[linkedin.com/in/albert-kravos](https://www.linkedin.com/in/albert-kravos) | ZRS Koper profile

A background in analytical chemistry, sustainable energy, chemometrics and technology development. Experience spans laboratory research, agricultural-residue valorisation, startup leadership and research communication. Independent work explores AI-assisted information products and controlled local workflows.

PROFESSIONAL EXPERIENCE

Assistant | February 2026 - present

Institute for Behavioural Economics · ZRS Koper · Koper, Slovenia

- Research, documentation and communication support for international projects.
- Structuring data, reports and presentations; contributions to EMPOWERMed and stakeholder coordination.

Analyst VII/2 (II) | February 2025 - February 2026

Institute for Oliveculture · ZRS Koper · Koper, Slovenia

- Analytical work and training with Agilent 7890B GC, OpenLab and LC-GC-FID for MOSH/MOAH in oil matrices; sample preparation for ECN42, NIR and HPLC.
- Built and analysed a 2018-2024 laboratory database with meteorological integration.
- Led preparation and submission of Clean Food Adrion; contributed to EMPOWERMed dissemination and laboratory digitalisation.

Researcher | 2021-2024

InnoRenew CoE · Izola, Slovenia

- Olive-leaf and agricultural-residue research using IR/NIR, UV-Vis, HPLC and hyperspectral methods; PCA, PLS and ANN modelling.
- Led olive-grove 3D scanning, point-cloud processing and pruning-biomass estimation.
- Conference presentations, moderation and IRIC 2023 scientific committee membership.

Co-Founder & CTO | 2018-2021

BlueBenu · Denmark

- Complex-polymer recycling technology, laboratory protocols and testing coordination.
- Mentored interdisciplinary intern teams; academic and industrial collaboration, feasibility and sustainability assessments, proposals and technical plans.

Electrochemical Researcher | 2017

Technical University of Denmark (DTU) · Lyngby, Denmark

- Development and testing of an electrochemical ammonia-synthesis system.
- Experimental planning, analytical work, quality control and reaction-parameter interpretation.

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Qualifications, methods & independent work

EDUCATION & ADDITIONAL STUDY

Master of Science in Engineering | Technical University of Denmark (DTU)

Sustainable Energy; specialisation in Biofuels. Civilingeniør, cand.polyt.

Awarded 14 February 2017.

BSc in Chemistry | Università degli Studi di Trieste

Laurea di Primo Livello in Chimica. Awarded 15 March 2013.

180 CFU; final grade 89/110.

Doctoral studies | University of Primorska, UP FAMNIT

Renewable Materials for Healthy Built Environments.

Studies discontinued; doctorate not completed.

CINF Summer School | DTU, 2016

Reactivity for Sustainable Energy Conversion and Environmental Protection.

Completed DTU-designated PhD course; 2.5 ECTS; passed.

METHODS, TOOLS & LANGUAGES

Laboratory: HPLC; GC / GC-FID; LC-GC-FID; IR/NIR; UV-Vis; hyperspectral methods; electrochemical systems; sample preparation, quality control and technical documentation.

Data: PCA, PLS and ANN; correlation analysis and visualisation; Matlab / PLS Toolbox; point-cloud processing.

CloudCompare and Trimble: advanced (self-reported).

Other tools: Python: basic. MS Office and spreadsheets; CorelDraw / GIMP; SolidWorks / Fusion 360: basic. AI-assisted research-product prototyping and local workflow design.

Languages (self-reported): Slovene and Italian: native. English: C1. French and Serbian / Croatian: basic.

SELECTED INDEPENDENT WORK

Atlas: Source-linked knowledge exploration and reader experience.

Claim Intelligence: Structured claims, supporting material and research workflows.

MetaOpt: Controlled workflow improvements, evaluation and preserved versions.

DeepDive: Local transcript production, readers and verifiable exports.

Specialist directories: Source-based research, matching logic and qualified comparisons.

Personal, AI-assisted projects in local development; not presented as launched multi-user services.

SELECTED RESEARCH & COMMUNICATION

CV-listed contributions include chemometric modelling of olive-leaf compounds (NIR Italia, 2024); spectral sensors and chemometrics for agri-food supply chains (IRIC, 2022); geothermal scaling reduction (E3S Web of Conferences, 2021); and an olive-oil sensory-consistency abstract (IMEKOFOODS, 2025).

Degree awards and the completed course are document-supported. Employment responsibilities, methods, language levels and contribution details follow the supplied CV; project descriptions reflect October 2026 records. Doctoral status and ZRS month dates include Albert's direct updates.