





**PERSONAL INFORMATION****Petra Lončarić**

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Gender Female | Date of birth 16/04/1998 | Nationality Croatian

**WORK EXPERIENCE**

4<sup>th</sup> of November 2024. – present day

International research project assistant  
Faculty of Food Technology Osijek  
Franje Kuhača 18, 31 000 Osijek (Croatia)  
Assistant on an international research project „Rescuing acorns as a Mediterranean traditional superfood – MEDACORNET“

1<sup>st</sup> of March 2023 – 3<sup>rd</sup> of November 2024

Laboratory analyst  
Inspecto d.o.o.  
Vukovarska cesta 239, D417 239, 31000, Osijek (Croatia)  
Work in the laboratory for soil and mineral fertilizer analysis – preparation of samples for testing, recording the preparation process, and preparation of solutions, calibration of laboratory equipment, handling drying ovens, pH meter, AAS (Atomic Absorption Spectrometer), UV/VIS spectrometer, reflectometer, and water bath.  
Work in the laboratory for soil and mineral fertilizer analysis – performing basic chemical soil analyses (determining pH value of soil, determining soil hydrolytic acidity, determining carbonate content in soil, determining humus content in soil, determining easily available phosphorus and potassium in soil), performing additional chemical soil analyses (determination of nitrate and ammonium nitrogen content in soil, determining the amount of mineral elements in soil, determining soil moisture content, determining cation-exchange capacity of soil, determining active lime content in soil, determining biuret in urea), conducting pedological soil analyses (assessing the mechanical composition of soil), monitoring soil analysis results.  
Work in the laboratory for soil and mineral fertilizer analysis – performing fertilizer analyses (determining pH value of fertilizer, determining carbon content in fertilizer, determining ammonium nitrogen content in fertilizer), monitoring fertilizer analysis results.  
Work in the laboratory for soil and mineral fertilizer analysis – performing mineral fertilizer analyses (determining all forms of phosphorus, potassium, nitrogen, and sulfates in mineral fertilizers, determining boron in mineral fertilizers, determining the granulometric composition of mineral fertilizers), monitoring mineral fertilizer analysis results.  
Work in the Inspecto database Lims – entering soil and fertilizer analysis results, sending and printing report results for the requester.  
Work in the UV Win Lab and Win Lab AA programs for spectrophotometric methods and atomic spectroscopy methods.  
Work in the Data Manager program – managing analysis results.  
Work in Excel – creating control charts, calculating chemical analysis results.  
From November 2023 – undergoing internal training for deputy head of soil analysis department  
Conducting a large number of accredited chemical and physical analyses simultaneously with large sample batches within a short period of time, as well as developing internal analyses; conducting a smaller number of fine research analyses with large sample batches, as well as preparing samples for testing.

12<sup>th</sup> of September 2022 – 11<sup>th</sup> of October 2022

Student job  
Croatian Agency for Agriculture and Food (HAPIH)  
Vinkovačka cesta 63C, 31 000 Osijek (Croatia)  
Laboratory work – assistance in preparing samples needed for testing, handling laboratory equipment, assistance in preparing the workspace for conducting analyses

## EDUCATION AND TRAINING

2 <sup>nd</sup> of October 2017 – 25 <sup>th</sup> of September 2020	Faculty of Food Technology Osijek Bachelor of Food Technology Engineering univ.bacc.ing.techn.aliment. Faculty of Food Technology Osijek
5 <sup>th</sup> of October 2020 - 15 <sup>th</sup> of July 2022	Master of Process Engineering mag.ing.proc.

## PERSONAL SKILLS AND COMPETENCES

Mother tongue Croatian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken production	
English	B2	B2	B2	B2	B2
Italian	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user – B1/B2: Independent User – C1/C2: Proficient user  
Common European Framework of Reference for Languages

Social skills and competences

- Good communication skills acquired throughout education and training, as well as excellent knowledge of the English language gained through learning and development from preschool age to the present day.

Professional skills

Laboratory work – conducting a large number of accredited chemical and physical analyses simultaneously with large sample batches in a short period of time, as well as preparing samples for testing; performing a smaller number of fine research analyses with large sample batches, as well as preparing samples for testing.  
Managing office protocols MS Office  
Managing relational database (Lims)  
Writing scientific papers  
Presentation skills

Digital competences

SELF-EVALUATION				
Information processing	Communication	Content creation	Security	Problem solving
Independent user	Proficient user	Proficient user	Independent user	Independent user

Levels: Basic user – Independent user – Proficient user  
Information and Communication Technologies – Self-assessment table

Replace with the title of the certificate of IT competence.

- Independent and proficient management of office protocol MS Office (text processor, spreadsheets, presentations)
- Independent and proficient management of the UVWin Lab program for spectrophotometric methods
- Independent and proficient management of the WinLab AAp program for atomic spectroscopy methods
- Independent and proficient management of the relational database (Lims) and the results management program (Data Manager)
- Programming (C, C++, Basic)

Other skills and competences

- Diligence and conscientiousness
- Strong organizational skills, ambition
- Perseverance, responsibility, tolerance, respect for authority
- Independence and originality
- Teamwork

Driver's license B category

## ADDITIONAL INFORMATION

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### Presentations

- Poster presentation "The Fatty Acid Profiles of Selected Macroalgal Species from the Adriatic Sea" presented at the 13<sup>th</sup> Scientific and Professional Conference "Food for Health", Osijek, 2021.

### Conferences

- Attendance at the 10<sup>th</sup> International Congress "Flour-bread '19", Osijek, 2019.
- Attendance at the 13<sup>th</sup> Scientific and Professional Conference "Food for Health", Osijek, 2021.
- Participation in the Croatian Red Cross Youth Competition held in Osijek, 2013.

### Awards and Recognitions

- Diploma for 2<sup>nd</sup> place in the Junior category at the Intercounty Croatian Red Cross Youth Competition, Osijek, 2013.
- Rector's Award for Academic Success, Academic Year 2020/2021, Osijek.
- 2<sup>nd</sup> place at the Challenge Labs competition with a team idea in the thematic area of climate change mitigation through the development of innovative biodegradable packaging, Osijek, 2022.

### Courses

- Completed Italian language course (Level 1), Lingua Osijek, 2013.

### Advanced training

- Student research work as part of the research team BioLab Team at the Faculty of Food Technology Osijek – laboratory work; various extraction techniques.
- Participation in an ERASMUS+ mobility program for 2 months in 2022 at NOVA School of Science and Technology, Caparica, Portugal – laboratory work; various extraction techniques.

### Scientific papers

- Co-author of an original scientific paper published in the A1 category journal Chemical Papers titled "Evaluation of ultrasound-assisted extraction of fucoxanthin and total pigments from three Croatian macroalgal species", 2022. (Q2, IF 2.2).

## ATTACHMENTS

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