



PERSONAL INFORMATION

KRUNOSLAV ALADIĆ



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Sec M | [Date of birth](#) 09/07/1981 | [Nationality](#) Croat

WORK EXPERIENCE

- 05.03.2015- **Croatian Veterinary Institute, Branch Veterinary Institute Vinkovci**
Scientific associate in the science system of the laboratory for analytical chemistry and residues.
- 5.02.2015- **Croatian Veterinary Institute, Branch Veterinary Institute Vinkovci**
Postdoc in the science system of the laboratory for analytical chemistry and residues.
- 2008- **Croatian Veterinary Institute, Branch Veterinary Institute Vinkovci**
Assistant in science system at the laboratory for analytical chemistry and residues.
- 15.12.2006- **Croatian Veterinary Institute, Branch Veterinary Institute Vinkovci**
Analyst at the laboratory for analytical chemistry and residues.

EDUCATION AND TRAINING

- 20.-27.02.2017 **Institut Rikilt, Holand**
Wageningen University & Research, Institute of Food and Safety (RIKILT)
- 05.02.2015 **Ph.D.**
Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek
Scientific area: Biotechnical sciences; Scientific field: food technology
- 2013 **Institut u Teramu, Italija**
Istituto zooprofilattico sperimentale dell'Abruzzo e del Molise, Analytical laboratory.
- 7.04.2006 **B.Sc of Food technology and process engineering**
Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English language	C1/2	C1/2	C1/2	C1/2	C1/2
German language	A1/2	A1/2	A1/2	A1/2	A1/2

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

Communication skills ▪ Good communicative skills acquired during field work at the Croatian Veterinary Institut

Computer skills ▪ Good knowledge of computer work and Microsoft Office™ tools

Driving licence B category

ADDITIONAL INFORMATION

Memberships Croatian chemistry association from 2011. g.

ANNEXES

List of publication:

Chapters in the book:

Jokić, Stela; Horvat, Goran; Aladić, Krunoslav.

Design of SFE system using a holistic approach - problems and challenges // Supercritical Fluid Extraction: Technology, Applications and Limitations / Lindy, Jason (ur.).

New York, SAD : Nova Publishers, 2015. Str. 95-122.

Jokić, Stela; Vidović, Senka; Aladić, Krunoslav.

Supercritical Fluid Extraction of Edible Oils. // Supercritical Fluids: Fundamentals, Properties and Applications / Osborne, Jane (ur.).

New York, SAD : Nova Publishers, 2014. Str. 205-228.

Scientific papers in CC journals

Jokić, Stela; Molnar, Maja; Jakovljević, Martina; Aladić, Krunoslav; Jerković, Igor. Optimization of supercritical CO₂ extraction of *Salvia officinalis* L. leaves targeted on oxygenated monoterpenes, α -humulene, viridiflorol and manool. // Journal of supercritical fluids. 133 (2018) , 1; 253-262 (članak, znanstveni).

Jokić, Stela; Jerković, Igor; Rajić, Marina; Aladić, Krunoslav; Bilić, Mate; Vidović, Senka.

SC-CO₂ extraction of *Vitex agnus-castus* L. fruits: the influence of pressure, temperature and water presoaking on the yield and GC-MS profiles of the extracts in comparison to the essential oil composition. // Journal of supercritical fluids. 123 (2017) ; 50-57 (članak, znanstveni).

Molnar, Maja; Jerković, Igor; Suknović, Dragica; Bilić Rajs, Blanka; Aladić, Krunoslav; Šubarić, Drago; Jokić, Stela.

Screening of Six Medicinal Plant Extracts Obtained by Two Conventional Methods and Supercritical CO₂ Extraction Targeted on Coumarin Content, 2, 2-Diphenyl-1-picrylhydrazyl Radical Scavenging Capacity and Total Phenols Content. // Molecules. 22 (2017) , 3; 348-1-348- (članak, znanstveni).

Aladić, Krunoslav; Vidović, Senka; Vladić, Jelena; Balić, Davor; Jukić, Huska; Jokić, Stela.

Effect of supercritical CO₂ extraction process parameters on oil yield and pigment content from by-product hemp cake. // International journal

of food science & technology. 51 (2016) , 4; 885-893 (članak, znanstveni).

Jokić, Stela; Bijuk, Marco; Aladić, Krunoslav; Bilić, Mate; Molnar, Maja.

Optimization of supercritical CO₂ extraction of grape seed oil using response surface methodology. // International journal of food science & technology. 51 (2016) , 2; 403-410 (članak, znanstveni).

Aladić, Krunoslav; Jami, Kristijan; Barbir, Tina; Vidović, Senka; Vladić, Jelena; Bilić, Mate; Jokić, Stela.

Supercritical CO₂ extraction of hemp (*Cannabis sativa* L.) seed oil. // Industrial crops and products. 76 (2015) ; 472-478 (članak, znanstveni).

Aladić, Krunoslav; Jokić, Stela; Moslavac, Tihomir; Tomas, Srećko; Vidović, Senka; Vladić, Jelena; Šubarić, Drago.

Cold pressing and supercritical CO₂ extraction of hemp (*Cannabis sativa*) seed oil. // Chemical and biochemical engineering quarterly. 28 (2014) , 4; 481-490 (članak, znanstveni).

Jokić, Stela; Podunavac Kuzmanović, Sanja; Jevrić, Lidija; Sudar, Rezica; Vidović, Senka; Aladić, Krunoslav; Kovačević, Strahinja.

HPLC Retention Behaviour of Triacylglycerols Extracted from Soybean Oil by Supercritical CO₂. // Croatica chemica acta. 87 (2014) , 3; 261-269 (članak, znanstveni).

Moslavac, Tihomir; Jokić, Stela; Šubarić, Drago; Aladić, Krunoslav; Vukoja, Josipa; Prce, Nikolina.

Pressing and supercritical CO₂ extraction of *Camelina sativa* oil. // Industrial crops and products. 54 (2014) ; 122-129 (članak, znanstveni).

Tucak, Zvonimir; Beuk, Darko; Jumić, Vlado; Tušek, Tatjana; Vladimir Knežević, Sanda; Tolušić, Zdravko; Škrivanko, Mario; Konjarević, Anastazia; Aladić, Krunoslav; Čupurdija, Edita.

Bee community as a source of energy in the production of food, honey-plants and herbs in the ecosystem of Croatian Forests' hunting grounds. // Collegium antropologicum. 33 (2009) , S2; 11-13 (članak, znanstveni)

Scientific papers in other journals

Ačkar, Đurđica; Panak Balentić, Jelena; Jozinović, Antun; Babić, Jurislav; Miličević, Borislav; Aladić, Krunoslav; Jokić, Stela; Šubarić, Drago. Supercritical CO₂ extrusion – novel technology in food industry. // Engineering Power. 12 (2017) , 1; 13-15 (pregledni rad, znanstveni).

Horvat, Goran; Aladić, Krunoslav; Jokić, Stela. Supercritical CO₂ extraction pilot plant design – Towards IoT integration. // Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku. 3 (2017) ; 925-934 (prethodno priopćenje, znanstveni).

Jokić, Stela; Aladić, Krunoslav; Ačkar, Đurđica; Jozinović, Antun; Babić, Jurislav; Šubarić, Drago.

Supercritical CO₂ extraction – a new perspective in the utilisation of food industry by-products. // Engineering Power. 12 (2017) , 1; 7-12 (pregledni rad, znanstveni).

Jokić, Stela; Moslavac, Tihomir; Aladić, Krunoslav; Bilić, Mate; Ačkar, Đurđica; Šubarić, Drago.

Hazelnut oil production using pressing and supercritical CO₂ extraction. // Hemijska industrija. 70 (2016) , 4; 359-366 (članak, znanstveni).

Moslavac, Tihomir; Jokić, Stela; Šubarić, Drago; Aladić, Krunoslav; Dominković, Olivera.

The influence of antioxidants on oxidative stability of sunflower and olive oil. // Technologica acta. 8 (2015) ; 25-30 (članak, znanstveni).

Moslavac, Tihomir; Jokić, Stela; Šubarić, Drago; Aladić, Krunoslav; Panzalović, Valentina.

Rheological characteristics salad mayonnaise with hens and quail egg yolks. // Meso : prvi hrvatski časopis o mesu. 17 (2015) , 1; 166-171 (članak, znanstveni).

Mujić, Ibrahim; Živković, Jelena; Prgomet, Željko; Damjanić, Kristijan; Alibabić, Vildana; Aladić, Krunoslav; Jokić, Stela.

Physico-chemical and sensorial characterization of distillates produced from fresh and dried fig (*Ficus carica* L.). // Technologica acta. 8 (2015) ; 35-42 (članak, znanstveni).

Rajić, Marina; Bilić, Mate; Aladić, Krunoslav; Šimunović, Doris; Pavković, Tomislav; Jokić, Stela.

Cvijet smilja: Od tradicionalne uporabe do znanstvenog značaja. // Glasnik zaštite bilja. 6 (2015) ; 24-34 (pregledni rad, znanstveni).

Jokić, Stela; Moslavac, Tihomir; Bošnjak, Andreja; Aladić, Krunoslav; Rajić, Marina; Bilić, Mate.

Optimization of walnut oil production. // Croatian journal of food science and technology. 6 (2014) , 1; 27-35 (članak, znanstveni).

Jokić, Stela; Nagy, Bence; Aladić, Krunoslav; Simándi, Béla.

Supercritical fluid extraction of soybean oil from the surface of spiked quartz sand - modelling study. // Croatian Journal of Food Science and Technology. 5 (2013) , 2; 70-77 (članak, znanstveni).

Velić, Darko; Bilić, Mate; Tomas, Srećko; Planinić, Mirela; Bucić-Kojić, Ana; Aladić, Krunoslav.

Study of the drying kinetics of "Granny Smith" apple in tray drier. // Agriculturae Conspectus Scientificus. 72 (2007.) , 4; 323-328 (članak, znanstveni).

Other scientific papers

Jokić, Stela; Aladić, Krunoslav; Velić, Darko; Ačkar, Đurđica; Šubarić, Drago.
Supercritical CO₂ extraction as an alternative to organic solvents in the production of soybean oil. // Annual 2013 of the Croatian Academy of Engineering. 2013 (2014) ; 185-194 (prethodno priopćenje, ostalo).