

PERSONAL INFORMATION



Stela Jokić

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Sex Female | Date of birth 31/07/1982 | Nationality Croatian

WORK EXPERIENCE

- 26.02.2016. – Institution: Faculty of Food Technology Osijek  
 Position: PhD, Associate professor  
 Work field: Science and higher education
- 01.12.2012. – 26.02.2016. Institution: Faculty of Food Technology Osijek  
 Position: PhD, Assistant professor  
 Work field: Science and higher education
- 31.01.2012. - 01.12.2012. Institution: Faculty of Food Technology Osijek  
 Position: PhD, Higher assistant  
 Work field: Science and higher education
- 01.05.2007. - 31.01.2012. Institution: Faculty of Food Technology Osijek  
 Position: Asistent  
 Work field: Science and higher education

EDUCATION AND TRAINING

- 18.06.2017. – 30.06.2017. University of Maribor, Faculty of Chemistry and Chemical Engineering (**Slovenia**)
- 09.03.2016. – 11.03.2016. Joint Reseach Centre – DR JRC Ispra, Italy
- 03.06.2014. – 09.06.2014. Biotechnical Faculty, **Ljubljana, Slovenia** (Response Surface Methodology)
- 01.07.2012. – 18.07.2012. University of **Maribor (Slovenia)** and **Graz** University of Technology (**Austria**); *Life Long Learning INTENSIVE PROGRAM; Process Intensification by High Pressure Technologies*
- 21.08.2011. – 05.09.2011. Budapest University of Technology and Economics, **Budapest, Hungary** (Sherwood number)
- 01.05.2011. – 01.07.2011. Faculty of Technology, **Novi Sad, Serbia** (Vacuum drying, Extraction, HACCP)
- 01.10.2010. – 01.02.2011. Budapest University of Technology and Economics, **Budapest, Hungary** (Supercritical CO<sub>2</sub> extraction, mathematical modeling, „scale up“)
- 01.07.2010. – 01.10.2010. Faculty of Technology, **Novi Sad, Serbia** (Extraction of edible oils)
- 01.05.2009. – 01.07.2009. Faculty of Technology, **Novi Sad, Serbia** (Supercritical fluid extraction)
- 02.03.2009. – 02.04.2009. Faculty of Chemical and Food Technology, **Bratislava, Slovak Republic** (Optimization of a real milk spray dryer)
- 2007. The European Food Safety Authority (EFSA), **Parma, Italy** (AFC, PLH, PPR and CONTAM Panel; The FEEDAP, BIOHAZ, AHAW and NDA Panel)
- 01.11.2004. – 01.01.2005. Institute for Food Process Engineering in Freising - Weihenstephan, **Freising, Germany** (CMP-Caseinomacropptide)

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)

English  
 German

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
A1	A1	A1	A1	A1

Communication skills

- good communication skills gained through work at the position of university professor
- Excellent English skills gained during stay in the USA in 2004, 2005 and 2006 as part of CCUSA program "Work Experience USA" - United States Government designated Exchange Visitor Program (few month work / travel program).

Organisational / managerial skills

- leadership (three scientific project in the last two years)
- 2014. – member of the organizing committee symposium „Today science – tomorrow industry“, Vukovar, Croatia
- 2012, 2013, 2014. – member of the organizing committee symposium „With Food to Health“, Tuzla, B&H
- 2013. – the organizer of the Science Festival in Osijek , Croatia
- 2011. – in organization of „6th International Medicinal Mushroom Conference“, Zagreb, Croatia

- Job-related skills**
- laboratory work; process optimization using various software packages, the teacher at different subjects: Optimization and design of industrial processes, Food process design, Machine Elements, Environmental Engineering Process, Cosmetic products technology, etc.
- Computer skills**
- good command of Microsoft Office™ tools, Visio, Mathcad, Design Expert, Statistica
- Other skills**
- Team work – good communication and organisation skills; responsibility, tolerance, proactivity.
  - Travel has played a large role in shaping her view of others and of cultural differences. Friends and acquaintances all testify to the fact that she relate to people easily and that she is able to adapt quickly to new surroundings and situation. She has learnt to work towards, and achieve her aims with great commitment and perseverance.
- Driving licence**
- B

## ADDITIONAL INFORMATION

- Projects**
- Project leader: Application of high pressure technologies in the extraction of plant material (Croatia – Serbia international project; 2016-2018)
  - Project leader: Development of high valued products based on medicinal plant extracts (2016-2017)
  - Project leader: Extraction of active substances from plant material using supercritical CO<sub>2</sub> (2015-2016)
  - Project leader: The risk assessment on the safety of fresh and semi-hard cheeses at markets of Republic Croatia (2014-2015)
  - Project leader: Optimization of the production of high quality hemp oil (2013 –2014)
- Participation in projects:
- Application of food industry by-products in development of functional and environmentally friendly extruded food products and additives (2014-2018)
  - Technological project for plant design for processing of honey and bee products in Široki Brijeg (2013-2014)
  - Development and standardization of the production of organic blackberry wine (2012-2014)
  - Technological project for chestnut processing plant in Finidi (2012-2013)
  - Technological project for plant design for processing of honey and bee products in Cerovlje (2011-2012)
  - Development of Integrated Drying Methods and Processes of Biological Materials (2008-2010)
- Awards**
- Annual Award Faculty of Food Technology Osijek for achievements in the field of research, teaching and professional work in 2016
  - National Science Award for 2015 (Republic Croatia)
  - Danubius Young Scientist Award 2015 for Croatia
  - Annual Award Faculty of Food Technology Osijek for achievements in the field of research, teaching and professional work in 2015
  - Annual Award Faculty of Food Technology Osijek for achievements in the field of research, teaching and professional work in 2013
  - Award of the Croatian Academy of Engineering for young scientist "Vera Johanides" in 2013
  - Annual Science Award for the year 2012 from the Osijek-Baranja County
  - Award for achievement in the field of science from municipality Đurđenovac (2013)
  - National Science Award for 2011 (Republic Croatia)
  - AXON Award for the best communication (Title: „Optimization of basil extraction process considering its antioxidant properties“ in section Nutrition and Healthy Lifestyle) at 11th European Nutrition Conference FENS, Madrid, Spain, 29th October 2011.
  - Rectorate award for academic year 2004./2005.
  - University scholarship for academic year 2001./2002.
  - State scholarship "A" category for academic year 2001./2002.
- Memberships**
- Member of Croatian Society of Chemical Engineering 2012.-
  - European Hygienic Engineering and Design Group 2012. –
- Mentoring**
- successful mentor on postgraduate University Study-Food Engineering (Candidate: Krunoslav Aladić; defense date: 06.02.2015.; title of PhD Thesis "Extraction optimization of hemp (*Cannabis sativa* L.) oil from cold pressed cake with supercritical CO<sub>2</sub>")

For the publication list please follow the link <http://bib.irb.hr/lista-radova?autor=294973>

### BOOK CHAPTERS

- Jokić, Stela; Vidović, Senka; Aladić, Krunoslav. Chapter: *Supercritical Fluid Extraction of Edible Oils*. In Book: *Supercritical Fluids: Fundamentals, Properties and Applications*. Nova Science Publishers, Inc., NY, USA, 2014, 205-228.
- Jokić, Stela; Horvat, Goran; Aladić, Krunoslav. Chapter: *Design of SFE system using a holistic approach - problems and challenges*. In book: *Supercritical Fluid Extraction: Technology, Applications and Limitations*. Nova Science Publishers, Inc., NY, USA, 2015, 95-122

### SCIENTIFIC PAPERS INDEXED IN WEB OF SCIENCE

- Molnar, Maja; Jerković, Igor; Suknović, Dragica; Bilić, Blanka; Aladić, Krunoslav; Šubarić, Drago; Jokić, Stela. Screening of Six Medicinal Plant Extracts Obtained by Two Conventional Methods and Supercritical CO<sub>2</sub> Extraction Targeted on Coumarin Content, 2,2-Diphenyl-1-picrylhydrazyl Radical Scavenging Capacity and Total Phenols Content. *Molecules*, 22 (2017) 348.

2. Bosiljkov, Tomislav; Dujmić, Filip; Cvjetko Bubalo, Marina; Hribar, Janez; Vidrih, Rajko; Brnčić, Mladen; Zlatic, Emil; Jokić, Stela. Deep eutectic solvents and ultrasound-assisted extraction: green approaches for extraction of wine lees anthocyanins. *Food and Bioproducts Processing*, 102 (2017), 195–203.
3. Jokić, Stela; Jerković, Igor; Rajić, Marina; Aladić, Krunoslav; Bilić, Mate; Vidović, Senka. SC-CO<sub>2</sub> 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.
4. Jerković, Igor; Rajić, Marina; Marjanović, Zvonimir; Bilić, Mate; Jokić, Stela. Optimization of Supercritical CO<sub>2</sub> Extraction of *Helichrysum italicum* Dried Flowers by Response Surface Methodology: GC-MS Profiles of the Extracts and Essential Oil. *Separation Science and Technology*, 51 (2016), 18; 2925–2931.
5. Rajić, Marina; Molnar, Maja; Bilić, Mate; Jokić, Stela. The impact of extraction methods on the isolation of pharmacologically active compounds from *Vitex agnus-castus* - a review. *International Journal of Pharmaceutical Research and Allied Sciences*, 5 (2016), 4; 15–21.
6. Jokić, Stela; Moslavac, Tihomir; Aladić, Krunoslav; Bilić, Mate; Ačkar, Đurđica; Šubarić, Drago. Hazelnut oil production using pressing and supercritical CO<sub>2</sub> extraction. *Hemjska industrija*, 70 (2016), 4; 359–366.
7. Jokić, Stela; Rajić, Marina; Bilić, Blanka; Molnar, Maja. Supercritical extraction of scopoletine from *Helichrysum italicum* (Roth) G. Don flowers. *Phytochemical analysis*, 27 (2016), 5; 290–295.
8. Vladić, Jelena; Zeković, Zoran; Jokić, Stela; Svilović, Sandra; Kovačević, Strahinja; Vidović, Senka. Winter savory: supercritical carbon dioxide extraction and mathematical modeling of extraction process. *The Journal of Supercritical Fluids*, 117 (2016) 89–97.
9. Aladić, Krunoslav; Vidović, Senka; Vladić, Jelena; Balić, Davor; Jukić, Huska; Jokić, Stela. Effect of supercritical CO<sub>2</sub> extraction process parameters on oil yield and pigment content from by-product hemp cake. *International Journal of Food Science and Technology*, 51 (2016) 885–893.
10. Jokić, Stela; Bijuk, Marco; Aladić, Krunoslav; Bilić, Mate; Molnar, Maja. Optimization of supercritical CO<sub>2</sub> extraction of grape seed oil using response surface methodology. *International Journal of Food Science and Technology*, 51 (2016) 403–410.
11. Ačkar, Đurđica; Babić, Jurislav; Jozinović, Antun; Miličević, Borislav; Jokić, Stela; Miličević, Radoslav; Rajić, Marija; Šubarić, Drago. Starch Modification by Organic Acids and Their Derivatives: A Review. *Molecules*, 20 (2015), 10; 19554–19570.
12. Aladić, Krunoslav; Jami, Kristijan; Barbir, Tina; Vidović, Senka; Vladić, Jelena; Bilić, Mate; Jokić, Stela. Supercritical CO<sub>2</sub> extraction of hemp (*Cannabis sativa* L.) seed oil. *Industrial crops and products*, 76 (2015) 472–478
13. Jerković, Igor; Družić, Jasmina; Marjanović, Zvonimir; Gugić, Mirko; Jokić, Stela; Roje, Marin. GC-FID/MS Profiling of Supercritical CO<sub>2</sub> Extracts of Peels from *Citrus aurantium*, *C. sinensis* cv. Washington navel, *C. sinensis* cv. Tarocco and *C. sinensis* cv. Doppio Sanguigno from Dubrovnik Area (Croatia). *Natural product communication*, 10 (2015) 1315–1318.
14. Cvjetko Bubalo, Marina; Vidović, Senka; Radojčić Redovniković, Ivana; Jokić, Stela. Green Solvents for Green Technologies. *Journal of Chemical Technology & Biotechnology*, 9 (2015) 1631–1639.
15. Šumić, Zdravko; Tepić, Aleksandra; Jokić, Stela; Malbaša, Radomir. Optimization of frozen wild blueberry vacuum drying process. *Hemjska industrija*, 69 (2015) 77–84.
16. Aladić, Krunoslav; Jokić, Stela; Moslavac, Tihomir; Tomas, Srećko; Vidović, Senka; Vladić, Jelena; Šubarić, Drago. Cold pressing and supercritical CO<sub>2</sub> extraction of hemp (*Cannabis sativa*) seed oil. *Chemical and biochemical engineering quarterly*, 28 (2014) 481–490.
17. Filip, Snežana; Zeković, Zoran; Vidović, Senka; Jokić, Stela; Svilović, Sandra. Mathematical modeling of *Ocimum basilicum* L. supercritical carbon dioxide extraction. *Chemical Engineering & Technology*, 37 (2014) 2123–2128.
18. Jokić, Stela; Podunavac Kuzmanović, Sanja; Jevrić, Lidija; Sudar, Rezica; Vidović, Senka; Aladić, Krunoslav; Strahinja Kovačević. HPLC retention behaviour of triacylglycerols extracted from soybean oil by supercritical CO<sub>2</sub>. *Croatica Chemica Acta*, Croatia chemica acta. 87 (2014) 261–269.
19. Mujić, Ibrahim; Bavcon Kralj, Mojca; Jokić, Stela; Jug, Tjaša; Šubarić, Drago; Vidović, Senka; Živković, Jelena; Jami, Kristijan. Characterisation of volatiles in dried white varieties figs (*Ficus Carica* L.). *Journal of Food Science and Technology*, 51 (2014) 1837–1846.
20. Vidović, Senka; Zeković, Zoran; Jokić, Stela. *Clavaria* mushrooms and extracts: investigation on valuable components and antioxidant properties. *International Journal of Food Properties*, 17 (2014) 2072–2081.
21. Moslavac, Tihomir; Jokić, Stela; Šubarić, Drago; Aladić, Krunoslav; Vukoja, Josipa; Proce, Nikolina. Pressing and supercritical CO<sub>2</sub> extraction of *Camelina sativa* oil. *Industrial Crops and Products* 54 (2014); 122–129
22. Vidović, Senka; Cvetković, Dragoljub; Ramić, Milica; Dunjić, Mirjana; Malbaša, Radomir; Tepić, Aleksandra; Šumić, Zdravko; Veličanski, Aleksandra; Jokić, Stela. Screening of changes in content of health benefit compounds, antioxidant activity and microbiological status of medicinal plants during the production of herbal filter tea. *Industrial Crops and Products*, 50 (2013) 338–345.
23. Radojčić, Marija; Zeković, Zoran; Sudar, Rezica; Jokić, Stela; Cvetanović, Aleksandra. Optimization of solid–liquid extraction of antioxidants and saccharides content from black mulberry fruit by response surface methodology. *Journal of Food and Nutrition Research*, 52 (2013), 146–155.
24. Jokić, Stela; Sudar, Rezica; Svilović, Sandra; Vidović, Senka; Bilić, Mate; Velić, Darko; Jurković, Vlatka. Fatty acid composition of the oil obtained from soybeans by extraction with supercritical carbon dioxide. *Czech Journal of Food Sciences*, 31 (2013) 116–125.
25. Šumić, Zdravko; Tepić, Aleksandra; Vidović, Senka; Jokić, Stela; Malbaša, Radomir. Optimization of frozen sour cherries vacuum drying process. *Food Chemistry*, 136 (2013) 55–63.
26. Jokić, Stela; Vidović, Senka; Zeković, Zoran; Podunavac Kuzmanović, Sanja; Jevrić, Lidija; Marić, Branimir. Chemometric analysis of tocopherols content in soybean oil obtained by supercritical CO<sub>2</sub>. *Journal of Supercritical Fluids*, 72 (2012) 305–311.
27. Jokić, Stela; Nagy, Bence; Zeković, Zoran; Vidović, Senka; Bilić, Mate; Velić, Darko; Simándi, Béla. Effects of supercritical CO<sub>2</sub> extraction parameters on soybean oil yield. *Food and Bioproducts Processing*, 90 (2012) 693–699.
28. Cvjetko, Marina; Jokić, Stela; Lepojević, Žika; Vidović, Senka; Marić, Branimir; Radojčić Redovniković, Ivana. Optimization of the Supercritical CO<sub>2</sub> Extraction of Oil from Rapeseed using Response Surface Methodology. *Food Technology and Biotechnology*, 50 (2012), 208–215.
29. Radojčić, Marija; Zeković, Zoran; Jokić, Stela; Vidović, Senka; Lepojević, Žika; Milošević, Svetlana. Optimization of Solid–Liquid Extraction of Antioxidants from Black Mulberry Leaves by Response Surface Methodology. *Food Technology and Biotechnology*, 50 (2012), 167–176.
30. Šertović, Edina; Mujić, Ibrahim; Jokić, Stela; Alibabić, Vildana; Sarić, Zlatan. Effect of soybean cultivars on the content of isoflavones in soymilk. *Romanian Biotechnological Letters*. 17 (2012), 7151–7159.
31. Radojčić, Marija; Zeković, Zoran; Jokić, Stela; Vidović, Senka. Determination of optimal extraction parameters of mulberry leaves using Response Surface Methodology (RSM). *Romanian Biotechnological Letters*. 17 (2012), 7295–7308.
32. Mujić, Ibrahim; Bavcon Kralj, Mojca; Jokić, Stela; Jami, Kristijan; Jug, Tjaša; Prgomet, Željko. Changes in aromatic profile of fresh and dried fig - the role of pre-treatments in drying process. *International Journal of Food Science and Technology*, 47 (2012) 2282–2288.
33. Jokić, Stela; Cvjetko, Marina; Božić, Đurđica; Fabek, Sanja; Toth, Nina; Vorkapić-Furač, Jasna; Radojčić Redovniković, Ivana. Optimized microwave-assisted extraction of phenolic compounds from broccoli and its antioxidant activity. *International Journal of Food Science and Technology*, 47 (2012) 2613–2619.
34. Jokić, Stela; Svilović, Sandra; Zeković, Zoran; Vidović, Senka; Velić, Darko. Solubility and kinetics of soybean oil and fatty acids in supercritical CO<sub>2</sub>. *European Journal of Lipid Science and Technology*, 113 (2011), 644–651.
35. Jokić, Stela; Svilović, Sandra; Zeković, Zoran; Vidović, Senka. Mathematical modelling of soybean oil solubility in supercritical carbon dioxide. *International Journal of Food Science & Technology*, 46 (2011), 1031–1037.
36. Vidović, Senka; Mujić, Ibrahim; Zeković, Zoran; Lepojević, Žika; Milošević, Svetlana; Jokić, Stela. Extraction of fatty acids from *Boletus edulis* by subcritical and supercritical carbon dioxide. *Journal of the American Oil Chemists Society*, 88 (2011), 1189–1196.
37. Mujić, Ibrahim; Alibabić, Vildana; Jokić, Stela; Galijašević, Emdžad; Jukić, Dilalja; Šekulja, Damir; Bajramović, Melisa. Determination of pesticides, heavy metals, radioactive substances and antibiotics residues in honey from the northwestern area of Bosnia and Herzegovina. *Polish Journal of Environmental Studies*. 20 (2011), 719–724.
38. Jokić, Stela; Zeković, Zoran; Vidović, Senka; Sudar, Rezica; Nemet, Ivana; Bilić, Mate; Velić, Darko. Supercritical CO<sub>2</sub> extraction of soybean oil: process optimization and triacylglycerol composition. *International Journal of Food Science & Technology*, 45 (2010), 1939–1946.
39. Jokić, Stela; Velić, Darko; Bilić, Mate; Bucić-Kojić, Ana; Planinić, Mirela; Tomas, Srećko. Modelling of the process of solid-liquid extraction of total polyphenols from soybeans. *Czech Journal of Food Sciences*. 28 (2010), 206–212.
40. Jokić, Stela; Mujić, Ibrahim; Martinov, Milan; Velić, Darko; Bilić, Mate; Lukinac, Jasmina. Influence of drying procedure on colour and rehydration characteristic of wild asparagus. *Czech Journal of Food Sciences*. 27 (2009), 171–177.
41. Jokić, Stela; Velić, Darko; Bilić, Mate; Lukinac, Jasmina; Planinić, Mirela; Bucić-Kojić, Ana. Influence of Process Parameters and Pre-treatments on Quality and Drying Kinetics of Apple Samples. *Czech Journal of Food Sciences*. 27 (2009), 88–94.