

## PERSONAL INFORMATION

## Sabina Begić



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Sex Female | Date of birth 10/04/1977 | Nationality Bosnian

## TITLE

Vanredni profesor za užu naučnu oblast Hemijska tehnologija (Tehnološki fakultet Univerziteta u Tuzli)

## WORK EXPERIENCE

26/05/2016 -

**Associate professor**

Faculty of Technology, University of Tuzla

- Performing teaching in the field of election to the scientific title
- Mentorship in making final papers at I and II cycle of academic study
- Scientific research
- Coordination / participation in scientific research projects
- Coordination / participation in organization of national and international scientific and professional meetings

Business or sector University education

19/09/2011 – 25/05/2016

**Assistant professor**

Faculty of Technology, University of Tuzla

- Performing teaching in the field of election to the scientific title
- Mentorship in making final papers at I and II cycle of academic study
- Scientific research
- Coordination / participation in scientific research projects
- Coordination / participation in organization of national and international scientific and professional meetings

Business or sector University education

21/03/2011 – 20/08/2011

**Senior assistant**

Faculty of Industrial Science and Technology, University Pahang, Malaysia

- Performing teaching in the field of election to the scientific title
- Scientific research
- Coordination / participation in scientific research projects
- Coordination / participation in organization of national and international scientific and professional meetings

Business or sector University education

10/04/2001–18/09/2011

**Director of Company**

Kobens ltd., Živinice

- Management of production processes and sale
- Supervision of the implementation of ISO and HACCP quality system

Business or sector Water bottling

## EDUCATION AND TRAINING

- 01/05/2006 - 02/07/2010 **Doctor of Technical Sciences in the field of Process Engineering**  
Faculty of Technology, University of Tuzla
- 19/03/2001 - 17/01/2005 **Master of Agricultural Sciences, Field: Technology of herbal products**  
Faculty of Agriculture, University of Sarajevo
- 28/08/1995 - 28/12/2000 **Engineer of Technology**  
Faculty of Technology, University of Tuzla

## PERSONAL SKILLS

Mother tongue(s) Bosnian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C	C	C	C	B
German	A	A	A	A	A

Communication skills ▪ conversation, writing, presenting, mediation, listening

Organisational / managerial skills ▪ multitasking, versatility, teamwork, flexibility

Computer skills ▪ good command of Microsoft Office tools

Driving licence ▪ B

## ADDITIONAL INFORMATION

## Publications

A. Odobašić, I. Šestan, **S. Begić**: (March 7th 2019). Biosensors for Determination of Heavy Metals in Waters [Online First], IntechOpen, DOI: 10.5772/intechopen.84139. Available from: <https://www.intechopen.com/online-first/biosensors-for-determination-of-heavy-metals-in-waters>

S. Osmić, **S. Begić**, V. Mičić, Z. Petrović, G. Avdić: „Effect of Solvent and Extraction Conditions on Antioxidative Activity of Sage (*salvia officinalis* L.) Extracts Obtained by Maceration“, Technologica Acta – Journal of Science-professional from Chemistry and Technology, Faculty of Technology, Tuzla, Vol.11(2), 2019, 1-8. DOI: [doi.org/10.5281/zenodo.2563049](https://doi.org/10.5281/zenodo.2563049)

M. Bijedić and **S. Begić**: „Solution of the Adiabatic Sound Wave Equation as a Nonlinear Least Squares Problem“, International Journal of Thermophysics, 2019, DOI:10.1007/s10765-018-2479-8

M. Briga, A. Odobasic, I. Sestan, **S. Begić**: „Black Seed Oil as an Additive to Honey“, European Journal of Food Science and Technology, Vol.7(1), 2019, 15-25.

**S. Begić**, V. Mičić, Z. Petrović, K. Mijanović, S. Osmić: "Goriva i energija iz obnovljivih izvora - tehnoloski procesi proizvodnje", Tuzla, 2018. ISBN 978-9926-456-79-5

S. Osmić, **S. Begić**, V. Mičić: "The Effect of Concentration of Methanol as a Solvent on the Antioxidative Activity of Sage Extract" in I. Karabegović (Ed.): NT 2018, LNNS 42, pp. 480–490, 2019. DOI: [https://doi.org/10.1007/978-3-319-90893-9\\_56](https://doi.org/10.1007/978-3-319-90893-9_56)

**S. Begić**, V. Mičić, D. Manjencic: "Modeling the Extraction Process of Sage (*Salvia Officinalis* L.) with Supercritical CO<sub>2</sub> at Different Temperatures" in I. Karabegović (Ed.): NT 2018, LNNS 42, pp. 469–479, 2019. DOI: [https://doi.org/10.1007/978-3-319-90893-9\\_55](https://doi.org/10.1007/978-3-319-90893-9_55)

I. Šestan, M. Ahmetović, A. Odošić, A. Bratovčić, **S. Begić**: "Physical and Chemical Characterization of Agricultural Waste and Testing of Sorption Abilities for Removal of Heavy Metals from Aqueous Solutions", International Journal for Research in Applied Sciences and Biotechnology, VI. 5(6), 2018, 1-8. DOI: [doi.org/10.31033/ijrasb.5.6.1](https://doi.org/10.31033/ijrasb.5.6.1)

**S. Begić**: „Voda u primarnoj proizvodnji i preradi šljive“ in M. Jašić et al. (Eds.): in Šljiva i proizvodi od šljive - Tehnologija, sušenje, kvaliteta i tržište, Udruženje za nutricionizam i dijetetiku "Hranom do zdravlja, 2018, ISBN 978-9926-8127-4-4, 163-176.

Z. Iličković, F. Zilić, J. Sadadinović, F. Andrejaš, **S. Begić**: „Impact of the use of alternative fuels in cement production on emission of harmful pollutants“, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 49, 2017, 19-24. ISSN: 0367-4444

**S. Begić**, V. Mičić, S. Tuzlak: "Second Generation Biofuels", 3rd International Conference „NEW TECHNOLOGIES NT-2016“ Development and Application, Mostar, 2016., Proceedings, 265-271. ISSN: 2303-5668

**S. Begić**, V. Mičić, Z. Petrović, S. Tuzlak: "The use of supercritical fluid in food processing“, 3rd International Conference „NEW TECHNOLOGIES NT-2016“ Development and Application, Mostar, Book of Proceedings, 272-276. ISSN: 2303-5668

Z. Petrović, R. Maksimović, **S. Begić**, N. Knezić: "The usage of chemically activated domestic bentonite for bleaching of edible plant oils“, XI Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, 18 i 19 November, 2016., Book of Proceedings, 225-234. ISBN: 978-99938-54-67-8

**S. Begić**, V. Mičić, Z. Petrović, P. Dugić: „Lipid biofuels as promising fuel“, 2nd International Conference „New Technologies NT-2015“, Mostar, 24-25. april, 2015, Book of Proceedings, 2015, 347-356.

**S. Begić**, V. Mičić, Z. Petrović: „Biomethane as biofuel“, 2nd International Conference „New Technologies NT-2015“, Mostar, 24-25. april, 2015, Book of Proceedings, 2015, 312-318. ISSN: 2303-5668

**S. Begić**, V. Mičić, Z. Petrović, M. P. Dugić: „Modelling of Hyssop-Supercritical Carbon Dioxide Extraction System“, International Journal of Inovative Research in Science, Engineering and Technology, Vol. 3(6), 2014, 13667-13671.

Z. Petrović, P. Dugić, **S. Begić**, Z. Iličković, F. Salihović: „Effects of processing hydrocracked base oils by activated bentonite“, Technologica Acta – Journal of Science-professional from Chemistry and Technology, Faculty of Technology, Tuzla, Vol.7(1) 2014, 25-34.

V. Mičić, B. Pejović, M. Tomić, **S. Begić**: „Influence of Pressure to content and yield of CO<sub>2</sub> extract obtained by supercritical extraction of *Salvia officinalis* L.“, International Journal of Inovative Research in Science, Engineering and Technology, Vol. 3(5), 2014, 12445-12451.

V. Mičić, B. Pejović, **S. Begić**: „Optimization of characteristic parameters in combustion process of medical waste using analytical geometry method“ International Journal of Latest Research in Science and Technology, Vol. 3(1) 2014, 20-23.

V. Mičić, **S. Begić**, B. Ilić: „Problemi koji se javljaju u vodovodnim mrežama zemalja u razvoju“, Tehnička dijagnostika, Vol 13 (4) 2014, 50-58. ISSN: 1451-1975. <http://scindeks.ceon.rs/article.aspx?artid=1451-19751404050M>

V. Mičić, **S. Begić**, Z. Petrović, V. Aleksić: "Bioetanol kao alternativno gorivo“, XIX Savetovanje o biotehnologiji sa međunarodnim učešćem, Čačak, 7 i 8. Mart, 2014., Zbornik radova Vol. 19(21), 2014, 455-459. ISBN: 978-86-87611-31-3

V. Mičić, **S. Begić**, Z. Petrović, V. Aleksić: "Smanjenje potrošnje energije korišćenjem metode visokog pritiska“, XIX Savetovanje o biotehnologiji sa međunarodnim učešćem, Čačak, 7 i 8. Mart, 2014., Zbornik radova Vol.19(21), 2014, 455-459. ISBN: 978-86-87611-31-3

**S. Begić**, V. Mičić, Z. Petrović, A. Odošajić, M. Stevanović Hodžić: „Research of the application of lime sludge in processes of neutralization of acid waste water“, 10<sup>th</sup> Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, 15 i 16. November, 2013, Book of Proceedings, 598-610.

Z. Petrović, P. Dugić, J. Sadadinović, **S. Begić**, F. Zilić: „Influence of activated bentonite on sulfur content in mineral base oils“ 10<sup>th</sup> Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, 15 i 16. November, 2013, Book of Proceedings, 598-610.

**S. Begić**, Z. Petrović, V. Mičić, Z. Iličković, F. Salihović, S. Tuzlak: “Influence of adsorption parameters on removal of organic matter from natural waters”, *Technologica Acta – Journal of Science-professional from Chemistry and Technology, Faculty of Technology, Tuzla*, Vol. 6(2) 2013, 21-28.

V. Mičić, **S. Begić**, B. Pejović, Z. Petrović: „Method of Complex Chemical Reactions“, *International Research Journal of Applied and Basic Sciences*, Vol. 7(13), 2013, 995-1002. ISSN: 2251-838X; IF: 0.175; <http://www.irjabs.com/en/>