

PERSONAL INFORMATION **Osmić Selma**



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Sex Female | Date of Birth June 5/1984 | Nationality BiH

Senior assistant in the scientific field of Chemical engineering (University of Tuzla, Faculty of Technology, Tuzla, BiH)

WORKING EXPERIENCE

- 2016 - Senior assistant
Faculty of Technology in Tuzla
- 2012 - 2016 Assistant
Faculty of Technology in Tuzla

EDUCATION AND PROFESSIONAL TRAINING

- Oct 17, 2015. Master's degree in Chemical engineering
Faculty of Technology in Tuzla
university degree / VII
- Jan 28, 2010. Graduate technology engineer
Faculty of Technology in Tuzla
High school diploma / IV
- 1999. – 2003. General-program high school "Mustafa Novalic", Gradacac
- 1991. – 1999. Primary school "Safvet-beg Basagic", Gradacac

SKILLS

First language Bosnian

Other languages	UNDERSTANDING		SPOKEN		WRITTEN
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	B1

Levels: A1/2: Beginner - B1/2: Independent user - C1/2 Proficient user

Organizational / Leadership Skills

- Team work on research projects

Communication skills

- good communication skills acquired through experience in working with students on theoretical and experimental practice classes
- experience acquired through presentations of research results on various conferences, congresses and symposiums

Computer skills

- operating systems, Microsoft Office, graphic software
- Application software : Microsoft Office, Corel Draw, Mathcad, Visio, GAMS, Polymath Professional 6.0
- Use of the Internet for professional development

Driver's license

B category

ADDITIONAL INFORMATION

Publications

1. **S. Osmic**, 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
2. **S. Osmic**, S. Begić, V. Mičić, “The Effect of Concentration of Methanol as a Solvent on the Antioxidative Activity of Sage Extract” In: Karabegović I. (eds) 4th International Conference New Technologies Technologies „NT-2018”, Development and Application Lecture Notes in Networks and Systems, 2019. vol 42. Springer, Cham. pp 480-490. https://doi.org/10.1007/978-3-319-90893-9_56
3. **S. Osmić**, S. Begić, V. Mičić, Z. Petrović, “Uticaj koncentracije etanola kao ekstrakcionog sredstva na antioksidativno dejstvo ekstrakta žalfije (*Salvia officinalis* L.)”, *Contemporary Materials*, 2018., 35, 81-88.
4. S. Begić, V. Mičić, **S. Tuzlak**: “Second generation biofuels”, 3rd International Conference „NEW TECHNOLOGIES NT-2016” Development and Application, Mostar, 2016., Book of Proceedings, pp. 265-271. ISSN:2303-5668
5. 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, 2016, Book of Proceedings, pp. 272-276. ISSN: 2303-5668
6. S. Begić, V. Mičić, **S. Tuzlak**: „Biofuels from lignocellulosic feedstocks“, 28. međunarodni kongres o procesnoj industriji „PROCESING '15“, Zbornik rezimea radova, Beograd, 2015, 22.
7. S. Begić, V. Mičić, Z. Petrović, **S. Tuzlak**: „Istraživanje karakteristika procesa neutralizacije kiselih otpadnih voda vapnenim muljem“, *Journal of engineering & Processing Management, An International Journal*, Vol. 6 (1) 2014, 109-121.
a. DOI: 10.7251/JEPMSR1406109B; UDK: 628.3.03:628.336
8. S. Begić, Z. Petrović, V. Mičić, A. Avdić, **S. Tuzlak**: „Uticaj vremena i brzine miješanja na efikasnost procesa neutralizacije kiselih otpadnih voda primjenom vapnenih muljeva“, Šesti međunarodni naučni skup „Savremeni materijali 2013“, Akademija nauka i umjetnosti Republike Srpske, Zbornik radova, Banja Luka, 2014, 169-179
9. S. Begić, V. Mičić, Z. Petrović, **S. Tuzlak**, A. Avdić: „Research of neutralization process of acid wastewater using various lime sludge“, Treći međunarodni simpozij, ”Okolšni potencijali, održivi razvoj i proizvodnja hrane”, Zbornik sažetaka, Tuzla, 2013, page 12
10. S. Begić, Z. Petrović, V. Mičić, A. Avdić, **S. Tuzlak**: „Effects of time and agitation speed on the efficiency of acidic waste water neutralization process using lime sludge“, Šesti

međunarodni naučni skup „Savremeni materijali 2013“, Akademija nauka i umjetnosti Republike Srpske, Knjiga apstrakata, Banja Luka, 2013, 75-76

11. S. Begić, V. Mičić, Z. Petrović, **S. Tuzlak**, A. Avdić: „Uticaj vremena miješanja na proces neutralizacije kiselih otpadnih voda vapnenim muljem“, Zaštita materijala i životne sredine, Crnogorsko društvo za koroziju, zaštitu materijala i zaštitu životne sredine, Vol 2 (2), 2013, 56-66. ISSN: 1800-9573; UDK: 620.1:502
12. 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
13. A. Odobašić, **S. Tuzlak**, S. Čatić, H. Keran, I. Šestan: „Application Ion-Selective potentiometry (ISP) for determination chloride ion in natural and drink water“; rad izdat i objavljen za IN-TECH 2010 (International Conference on Innovative Technology in Design, Manufacturing and Production), Prag, Republika Češka, 2010.

Books

1. S. Begić, V. Mičić, Z. Petrović, K. Mijanovic, **S. Osmic** : "Goriva i energija iz obnovljivih izvora - tehnoloski procesi proizvodnje", Tuzla, 2018. ISBN [978-9926-456-79-5](https://www.isbn-international.org/number/978-9926-456-79-5)

Symposiums, conferences and congresses

1. **Osmic S.**, Begić S., Mičić V. (2019) The Effect of Concentration of Methanol as a Solvent on the Antioxidative Activity of Sage Extract . In: Karabegović I. (eds) 4th International Conference New Technologies Technologies „NT-2018”, Development and Application, Sarajevo, Bosna i Hercegovina, 28.-30.juna 2018. (spoken presentation)
2. **S. Osmic**, S. Begić, V. Mičić, Z. Petrović, “Uticaj koncentracije etanola kao ekstrakcionog sredstva na antioksidativno dejstvo ekstrakta žalfije (*Salvia officinalis* L.)”, Deseti međunarodni naučni skup „Savremeni materijali 2017”, Akademija nauka i umjetnosti Republike Srpske, Banja Luka, 09.-10. novembar, 2017. (poster presentation)
3. S. Begić, V. Mičić, Z. Petrović, **S. Tuzlak** (2016) The use of supercritical fluid in food processing. In; Doleček V., Karabegović I., Pašić, S. (eds) 3th International Conference New Technologies „NT-2016” Development and Application, Mostar, Bosna i Hercegovina, 13.-14. maj, 2016.
4. S. Begić, V. Mičić, **S. Tuzlak** (2016) Second generation biofuels. In; Doleček V., Karabegović I., Pašić, S. (eds) , 3th International Conference New Technologies „NT-2016” Development and Application, Mostar, Bosna i Hercegovina, 13.-14. maj, 2016.
5. S. Begić, V. Mičić, **S. Tuzlak** : „Biofuels from lignocellulosic feedstocks“, 28. međunarodni kongres o procesnoj industriji „PROCESSING '15”, Beograd, 04.-05.juna, 2015.
6. S. Begić, Z. Petrović, V. Mičić, A. Avdić, **S. Tuzlak** : „Uticaj vremena i brzine miješanja na efikasnost procesa neutralizacije kiselih otpadnih voda primjenom vapnenih muljeva“, Šesti međunarodni naučni skup „Savremeni materijali 2013”, Akademija nauka i umjetnosti Republike Srpske, Banja Luka, 2014. (poster prezentacija)
7. S. Begić, V. Mičić, Z. Petrović, **S. Tuzlak**, A. Avdić: „Research of neutralization process of acid wastewater using various lime sludge“, Treći međunarodni simpozij, ”Okolišni potencijali, održivi razvoj i proizvodnja hrane”, Tuzla, 14.-15. novembar, 2013.
8. S. Begić, Z. Petrović, V. Mičić, A. Avdić, **S. Tuzlak** : „Effects of time and agitation speed on the efficiency of acidic waste water neutralization process using lime sludge“, Šesti međunarodni naučni skup „Savremeni materijali 2013”, Akademija nauka i umjetnosti Republike Srpske, Banja Luka, 04.-06. jula, 2013. (poster prezentacija)

Projects

1. "Research on the neutralization process of acid liquid waste using "White Sea" waste sediment from Soda factory in Lukavac" completed in the period between February 18, 2013 and October 25, 2013.
2. "Research on possibilities and characteristics of the filtration of waste silt from factory SOLANA dd Tuzla" completed in the period between January 15, 2014 and May 15, 2014.
3. "Research on the process of waste water treatment from Banovici and Durdevic coal mines" completed in the period between April 2, 2012 and August 2, 2012.
4. "Optimization of the process of aerobic composting of municipal solid waste" funded by Ministry of Education, Science, Culture and Sport (2013-2014)
5. "Optimization of kinetic and process parameters for the process of composting organic fraction of municipal solid waste with different additives" funded by Federal Ministry of Education and Science (2014-2015)

