

PERSONAL INFORMATION



Nesib Mustafić

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Google Scholar ID: <https://scholar.google.com/citations?user=FQQ7MvcAAAAJ&hl=en>

ResearchGate: https://www.researchgate.net/profile/Nesib_Mustafic

Sex; Male | Date of birth; 04/11/1988 | Nationality; BiH

POSITION

Senior Teaching Assistant- external associate, Chemical Engineering

WORK EXPERIENCE

05.07.2017.-present

Senior Teaching Assistant- external associate, Chemical Engineering

13.12.2016.-25.07.2017.

Expert from the practice of scientific field Process Engineering

12.12.2012.-12.12.2016.

Teaching Assistant- external associate, Process Engineering

University of Tuzla, Faculty of Technology, Department of Chemical Engineering
Univerzitetska 8, 75000 Tuzla Bosnia and Herzegovina

- Education and Research in Process Engineering. Teaching Courses: Material and energy balances of the process, Analysis and simulation of the process, Design of appliances and devices, Applied computing, Application of software packages in chemical engineering, Process integration, Calculation in food engineering.

- Activity or sector: Higher Education

11.12.2015.-present

Process engineer for production and balancing

Solana d.d. Tuzla, Street Soli 3, 75000 Tuzla, Bosnia and Herzegovina

- Organizing and coordinating workers, controlling the working tools, guiding and controlling the production process through laboratory reports and drive parameters, tracking records and analyzing the change of state

Activity or sector: Salt production plant

14.10.2014.-10.12.2015.

Chemical Technology Engineer in Department II

D.D. Institut za zaštitu ekologiju i obrazovanje Tuzla, Bosne Srebrene 127, 75000 Tuzla, Bosnia and Herzegovina

- Education, research and development in the field of Environmental protection. Measurement of emission of flue gases from stationary sources, measurement of ambient noise level, analysis of jam air and dust, analysis of explosive and aggressive charcoal properties, measurement of work environment, filling of etalon mixtures, performing calculation of measurement uncertainty, work on improvement of methods of data collection and processing, and making a report.

- Activity or sector: Department II

EDUCATION AND TRAINING

30.09.2016. Master of Chemical Engineering

University of Tuzla, Faculty of Technology, Postgraduate study, Department: Chemical-technological course: Chemical Engineering (2012-2016)

- Thesis topic: Analysis and optimization of the multistage evaporative system

26.05.2014.-02.07.2014.

Department: University of Tuzla, Faculty of Philosophy, Pedagogical-psychological-didactic-methodical group of subjects

04.10.2012. Bachelor-Engineer of Chemical Technology

University of Tuzla, Faculty of Technology, Undergraduate study, department: Chemical-technological, course: Ecological Engineering (2008-2012)

- Thesis topic: Application of microbial kinetics in modeling the process of composting of poultry manure and wheat straw

PERSONALE SKILLS

Mother tongue(s) Bosnian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | B2 | B1 | B1 | B2 |
| German | A2 | A2 | A2 | A2 | A2 |

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through:

- Team work on research projects
- Presentation of research results at international and domestic scientific and professional conferences
 - Work with students

Organisational / managerial skills

Well-developed organizational skills. Ready to work independently, as well as in the team.

- Work in the team (work on scientific research projects with colleagues, work in the water testing laboratory)
- Leadership and organization of shift work in Solana d.d. Tuzla

Computer skills

- Good knowledge of Microsoft Office™ tools
- Good knowledge of the GAMS (General Algebraic Modeling System) acquired through the development of optimization models for education and master thesis.
- Good reference to the Corel Draw™ graphics processing tool
- Good knowledge of Visual Basic for Application (VBA) acquired through the experience of developing user models for simulation of the process.

Driving licence B

ADDITIONAL INFORMATION

- Publications**
1. **Mustafić, N.**, Karić, E. 2018. Minimization of Utilities Consumption in a Distillation Column with and without Heat Integration for Separation of a Binary System of Acetone-Methanol. *Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske*, 67(13 (special issue)), P11-P19. doi.org/10.15255/KUI.2018.009
 2. Karić, E., **Mustafić, N.** 2018. Analysis of Evaporation and Crystallization of Potassium Nitrate from Water Solution in Two-stage Evaporation System and Vacuum Crystallizer. *Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske*, 67(13 (special issue)), P1-P10. doi.org/10.15255/KUI.2018.008
 3. **Mustafić, N.**, Petric, I., Karić, E., 2017. Application of validated mathematical model of composting process for study the effect of air flow rate on process performance. *Journal of Engineering & Processing Management*, 9 (1), 62-68.
 4. Karić, E., Petric, I., **Mustafić, N.**, 2017. Composting kinetics for mixture of poultry manure and wheat straw based on volatile solids content. *Journal of Engineering & Processing Management*, 9 (1), 36-41.
 5. **Mustafić, N.**, Petric, I., 2016. Application of microbial kinetics to modeling the composting process. *Tehnologica acta*, 5-14.
 6. Ahmetović, E., Suljkanović, M., Kravanja, Z., Maréchal, F., Ibrić, N., **Mustafić, N.**, Kermani, M., Bogataj, M., 2016. Analysis, Synthesis and Optimization of Multiple-Effect Evaporation Systems using Mathematical Programming. AIChE 2016 Annual meeting, Computing and Systems Technology Division, Process Design II, 430h. San Francisco, CA, USA, November 11-18.
 7. Petric, I., **Mustafić, N.**, 2015. Dynamic modeling the composting process of the mixture of poultry manure and wheat straw. *Journal of environmental management*, 161, 392-401.
- Projects**
1. Optimization of kinetic and process parameters for composting process of organic fractions of municipal solid waste with different additives“, financed by Federal Ministry of Education and Science (2014-15)
 2. Research on the use of alternative materials in the cement industry to reduce CO2 emissions, financed by Federal Ministry of Education and Science
- Konferences**
1. Karić E., **Mustafić N.**, (2018). Analysis and simulation of multiple-effect evaporation system in order to reduce hot utility consumption, Sixth international scientific conference June 5th – world environment day, 18-19 June, Bihać, Bosnia and Herzegovina (Poster presentation).
 2. **Mustafić, N.**, Karić, E., (2018). Minimization of utility consumption in a distillation column with and without heat integration for separation a binary system of acetone-methanol. "XII Meeting of Young Chemical Engineers", February 22-23, 2018 Zagreb (Poster Presentation).
 3. Karić, E., **Mustafić, N.**, (2018). The analysis of evaporation and crystallization of potassium nitrate from the water solution in two stage evaporation system and vacuum crystallizer. "XII Meeting of Young Chemical Engineers", February 22-23, 2018 Zagreb (Poster Presentation).
 4. **Mustafić, N.**, Petric, I., Karić, E., (2017). Application of validated mathematical model of composting process for study the effect of air flow rate on process performance. V International Congress "Engineering, Environment and Materials in Processing Industry", March 15-17, 2017 Jahorina (Poster Presentation).
 5. Karić, E., Petric, I., **Mustafić, N.** (2017). Composting kinetics for mixture of poultry manure and wheat straw based on volatile solids content, V International Congress "Engineering, Environment and Materials in Processing Industry", March 15-17, 2017 Jahorina (Poster Presentation).
 6. **Mustafić, N.**, Petric, I. (2013). Application of microbial kinetics for modelling of composting process of poultry manure and wheat straw, 3. Scientific Symposium with International Participation, "Environmental resources, sustainable development and food production", OPORPH-2013, November 14-15, 2013 Tuzla (Oral Presentation).

Seminars

1. Tourist-Catering and Environmental Resources of Bosnia and Herzegovina, Tuzla 2011.
2. Young eco leaders, Živinice 2012.
3. Seminar for Internal Audit of Quality Management System according to EN ISO 9001: 2008, 07.02.-08.02.2014.
4. Education Requirements ISO 9001: 2015 / Transition ISO 9001: 2008 in ISO 9001: 2015, 10.11-11.11.2016