

OSOBNE INFORMACIJE



Univerzitet u Tuzli, Tehnološki fakultet, uža naučna oblast Hemijsko inženjerstvo, Urfeta Vejzagića

8, 75000 Tuzla, Bosna i Hercegovina

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Google Scholar:

<http://scholar.google.com/citations?user=3GLDIUUAAAJ&hl=en>

Scopus:

<http://www.scopus.com/authid/detail.url?authorId=36350581300>

ResearcherID:

<http://www.researcherid.com/id/C-3659-2013>

ResearchGate:

https://www.researchgate.net/profile/Elvis_Ahmetovic

Loop:

<https://loop.frontiersin.org/people/814374/overview>

LinkedIn:

<https://www.linkedin.com/in/elvis-ahmetovi%C4%87-0506026/?originalSubdomain=ba>

YouTube:

https://www.youtube.com/channel/UCET0_MEIGZjZkNodsgrpKA

Spol: Muški | Datum rođenja: 05/07/1973 | Državljanstvo: Bosna i Hercegovina



ZVANJE

Redovni profesor za užu naučnu oblast Hemijsko inženjerstvo u trajnom zvanju od 24.03.2017. godine

Dopisni član Akademije nauka i umjetnosti Bosne i Hercegovine (ANUBiH) od 20.12.2022. godine

OBLAST ZANIMANJA

Hemijsko inženjerstvo, Procesno sistemsko inženjerstvo, Analiza, sinteza i dizajniranje hemijskih procesa, Procesna integracija, Matematičko programiranje i optimizacija procesa, Zeleno inženjerstvo i održivi razvoj, Racionalno korištenje vode i energije u industriji, Sinteza i optimiranje tehnoloških procesa.

RADNO ISKUSTVO

Od 24/03/2017- trajno

Redovni profesor za užu naučnu oblast Hemijsko inženjerstvo

Univerzitet u Tuzli, Tehnološki fakultet, uža naučna oblast Hemijsko inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

- Edukacija i istraživanje u Hemijском/Procesном inženjerstvu. Izvođenje nastave na predmetima: Tehnološke operacije (Hidromehaničke operacije, Toplinske i difuzione operacije), Projektovanje tehnoških procesa, Procesna integracija, Energetska efikasnost hemijsko-tehnoloških procesa, Sinteza i optimiranje tehnoških procesa.

Djelatnost ili sektor: Visoko obrazovanje

Od 23/03/2011
do 23/03/2017

Vanredni profesor za užu naučnu oblast Procesno inženjerstvo

Univerzitet u Tuzli, Tehnološki fakultet, uža naučna oblast Procesno inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

- Edukacija i istraživanje u Procesnom inženjerstvu. Izvođenje nastave na predmetima: Tehnološke operacije (Hidromehaničke operacije, Toplinske i difuzione operacije), Projektovanje tehnoških procesa, Procesna integracija, Racionalno korištenje energije.

Djelatnost ili sektor: Visoko obrazovanje

Od 28/05/2014
do 23/03/2017

Vanredni profesor za hemijsko inženjerstvo

Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Smetanova 17, SI-2000 Maribor. Laboratorij za procesno sistemsko tehniko in trajnostni razvoj, Smetanova 17, 2000 Maribor, Slovenia

- Edukacija i istraživanje u hemijskom inženjerstvu (Procesno sistemsko inženjerstvo i održivi razvoj). Gostujući profesor u okviru projekta "Internationalization – A Pillar of Development of the University of Maribor" (co-financed by European Social Fund and Ministry of Education, Science and Sport of the Republic of Slovenia) (01.10.2014-30.06.2015).

Djelatnost ili sektor: Visoko obrazovanje

Od 23/03/2006
do 23/03/2011

Docent na predmetima Tehnološke operacije I i II

Univerzitet u Tuzli, Tehnološki fakultet, Katedra za procesno inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

- Edukacija i istraživanje u Procesnom inženjerstvu. Izvođenje nastave na predmetima: Tehnološke operacije I i II, Termički procesi u procesnom inženjerstvu, Projektovanje u industriji I, Hidromehaničke operacije, Toplinske i difuzione operacije, Projektovanje tehnoloških procesa, Racionalno korištenje energije, Procesna integracija

Djelatnost ili sektor: Visoko obrazovanje

**Od 03/11/2007
do 14/09/2008**

Prodekan za nastavu i studentska pitanja

Univerzitet u Tuzli, Tehnološki fakultet, Katedra za procesno inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

**Od 14/09/2009
do 23/11/2009**

- Aktivnosti u vezi rada i upravljanja u domenu prodekana za nastavu i studentska pitanja. Rad i saradnja sa Šefovima katedri, nastavnim osobljem i studentima u cilju poboljšanja edukacijskog procesa na fakultetu.

Djelatnost ili sektor: Visoko obrazovanje

**Od 02/04/2004
do 23/03/2006**

Viši asistent na užoj naučnoj oblasti hemijsko inženjerstvo

Univerzitet u Tuzli, Tehnološki fakultet, Katedra za hemijsko i prehrambeno inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

- Edukacija i istraživanje u hemijskom inženjerstvu. Izvođenje nastave/vježbi na predmetima: Tehnološke operacije, Analiza i simulacija procesa, Racionalno korištenje energije.

Djelatnost ili sektor: Visoko obrazovanje

**Od 12/03/1999
do 02/04/2004**

Asistent na užoj naučnoj oblasti hemijsko inženjerstvo

Univerzitet u Tuzli, Tehnološki fakultet, Katedra za hemijsko inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

- Edukacija i istraživanje u hemijskom inženjerstvu. Izvođenje nastave/vježbi na predmetima: Tehnološke operacije, Termodynamika i termotehnika, Hemijsko inženjersko računanje

Djelatnost ili sektor: Visoko obrazovanje

OBRAZOVANJE I OSPOSOBLJAVANJE

Univerzitetska edukacija

02/09/2005

Doktor tehničkih nauka iz područja procesnog inženjerstva

Univerzitet u Tuzli, Tehnološki fakultet, Katedra za procesno inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

- Tema doktorske disertacije: Simulacija procesnih struktura za koncentriranje i kristalizaciju prehrambenih sistema uz isparavanje vode.

25/06/2002

Magistar hemijsko-tehnoloških nauka iz oblasti hemijskog inženjerstva

Univerzitet u Tuzli, Tehnološki fakultet, Katedra za hemijsko i prehrambeno inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina. Dio istraživanja u okviru magistarskog rada je urađen na Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Smetanova 17, SI-2000 Maribor.

- Tema magistarskog rada: Toplinska integracija i rekonstrukcija mreže izmjenjivača topline upotrebom matematičkog programiranja.

14/07/1998

Diplomirani inženjer tehnolog

Univerzitet u Tuzli, Tehnološki fakultet, Katedra za hemijsko inženjerstvo, Univerzitetska 8, 75000 Tuzla, Bosna i Hercegovina

- Tema diplomskog rada: Matematički model bilansnih jednačina reakcijskog čvora u sintezi malein anhidrida.

Mobilnosti i usavršavanje

Mobilnost u okviru Erasmus+ K2 projekta pod nazivom "INTERnationalization at Home: Embedding Approaches and Structures to Foster Internationalization at Western Balkans/INTERBA"

Od 13.07 do 15/07/2022

University of Cagliari, Faculty of Engineering and Architecture, Via Università, 40, 09124 Cagliari CA, Italy

Od 18.07 do 20/07/2022

University of Palermo, Piazza Marina, 61, 90133 Palermo PA, Italy

BB Hotel Quattro Canti Palermo, Via Vittorio Emanuele, 291, 90133 Palermo

	Univerzitet u Tirani, Ekonomski fakultet, Rruga "ArbenBroci" Tirana 1000, Albanija
▪ Radni sastanci menadžmenta Erasmus+ K2 projekta INTERBA i realizacija projektnih aktivnosti	
▪ Predstavljen prvi pilot trening u kome je prezentirana primjena pedagoškog modela SCATE (S-Scope, C-Content, A-Activity, T-Think, E-Extra), razvijenog od strane Middlesex Univerziteta u Engleskoj, na kursu pod nazivom "Combined Water and Energy Integration in the Process Industries". Power point prezentacija predstavljenog pilot treninga se može preuzeti ovde .	
Od 11/04/2022 do 14/04/2022	Mobilnost u okviru Erasmus+ K2 projekta pod nazivom "INTERnationalization at Home: Embedding Approaches and Structures to Foster Internationalization at Western Balkans/INTERBA" Univerzitet u Tirani, Ekonomski fakultet, Rruga "ArbenBroci" Tirana 1000, Albanija ▪ Radni sastanci menadžmenta Erasmus+ K2 projekta INTERBA i realizacija projektnih aktivnosti ▪ Predstavljen prvi pilot trening u kome je prezentirana primjena pedagoškog modela SCATE (S-Scope, C-Content, A-Activity, T-Think, E-Extra), razvijenog od strane Middlesex Univerziteta u Engleskoj, na kursu pod nazivom "Combined Water and Energy Integration in the Process Industries". Power point prezentacija predstavljenog pilot treninga se može preuzeti ovde .
Od 28/09/2021 do 01/10/2021	Mobilnost u okviru bilateralnog projekta naučne i tehnološke saradnje između Bosne i Hercegovine i Republike Slovenije Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Smetanova 17, 20000 Maribor, Slovenia ▪ Radni sastanci u okviru bilateralnog projekta i realizacija projektnih aktivnosti
Od 09/09/2021 do 11/09/2021	Mobilnost u okviru bilateralnog projekta naučne i tehnološke saradnje između Bosne i Hercegovine i Republike Slovenije Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Smetanova 17, 20000 Maribor, Slovenia ▪ Radni sastanci u okviru bilateralnog projekta i realizacija projektnih aktivnosti
Od 12/07/2021 do 16/07/2021	Erasmus+ staff mobility for teaching Pamukkale University, Faculty of Engineering, Department of Chemical Engineering, Çamlıraltı Mahallesi, Üniversite Cd. No:11, 20160 Pamukkale/Denizli, Turkey ▪ Nastavne aktivnosti (predavanja) na temu Energetska efikasnost hemijskih procesa; Prisustovanje radnim sastancima; Prezentiranje Univerziteta u Tuzli
Od 17/02/2020 do 18/02/2020	COST Action: CA18224 - Green Chemical Engineering Network towards upscaling sustainable processes Santiago de Compostela, Spain ▪ Učešće i diskusija u sastancima radne grupe; Prezentacija istraživačkog rada pod naslovom: Sinteza, optimizacija i integracija održivih procesnih sistema
Od 24/10/2019 do 25/10/2019	Erasmus+ Contact Seminar with the Western Balkans Tirana International Hotel, Albania ▪ Učešće u Erasmus+ seminaru, treninzima, radionicama i predstavljanje Univerziteta u Tuzli.
14/10/2019	COST Action: CA18224 - Green Chemical Engineering Network towards upscaling sustainable processes COST Association, 149 Avenue Louise, 15th Floor, Brussels, Belgium ▪ Učešće i diskusija na prvom sastanku menadžmenta Cost akcije
Od 25/09/2019 do 28/09/2019	Mobilnost u okviru bilateralnog projekta između Bosne i Hercegovine i Republike Slovenije University of Maribor, Faculty of Chemistry and Chemical Engineering, Smetanova 17, SI-2000 Maribor, Slovenia. ▪ Mobility within the bilateral research project entitled "Synthesis of Evaporation Systems using Mathematical programming". Attending work meetings and dissemination of research results. Host research contact: Prof. Zdravko Kravanja. University of Maribor, Faculty of Chemistry and Chemical Engineering, Smetanova 17, SI-2000 Maribor, Slovenia.
Od 15/07/2019 do 14/08/2019	Mobility within the DAAD Scholarship Program, Research Stays for University Academics and Scientists

	<p>University of Bremen, Process Systems Engineering, Leobener Str. 6, 28359 Bremen, Germany</p> <ul style="list-style-type: none">▪ Research related to Process systems engineering, energy efficiency and sustainable development. <p>Host contact: Prof. dr. ir. Edwin Zondervan, Chair Laboratory of Process Systems Engineering.</p>
Od 01/07/2019 do 05/07/2019	<p>Mobility within the Erasmus+ programme</p> <p>University of Granada, Complejo Administrativo Triunfo, Avda. Del Hospicio s/n, 18071 Granada.</p> <ul style="list-style-type: none">▪ Participation at the 15th Staff Training Week organized by the University of Granada within the framework of the Erasmus+ programme and exchange of mutual experience and best practice procedures. Host contact: Mercedes Lopez Roldan, Director of the International Office
Od 23/06/2019 do 29/06/2019	<p>Teaching mobility within the CEEPUS project</p> <p>University Sts. Cyril and Methodius, Faculty of Technology and Metallurgy, Skopje, Chemical Engineering and Technology, Ruger Boskovic 16, 1000 Skopje</p> <ul style="list-style-type: none">▪ Realisation of the activities within the CEEPUS project "CIII-SI-0708-06-1819 - Chemistry and Chemical Engineering"; Guest lecture entitled Synthesis, Optimisation and Heat Integration of Evaporation Systems; Work meetings with host local CEEPUS coordinator and Vice Dean for science and international collaboration. Host CEEPUS contact: Prof. dr. Vesna Rafajlovska
Od 17/06/2019 do 18/06/2019	<p>Training within Train+ (Training and Research for Academic Newcomers) project</p> <p>University of Sarajevo, Center for Interdisciplinary Studies, Zmaja od Bosne 8, 71000 Sarajevo.</p> <ul style="list-style-type: none">▪ Participation in training within Train+ (Training and Research for Academic Newcomers) project. Module: Research Methodology, Scientific Writing and Result Presentation
Od 29/05/2019 do 31/05/2019	<p>Teaching mobility and short excursion within the CEEPUS project</p> <p>University of Zagreb, Faculty of Chemical Engineering and Technology, Marulićev trg 19, Zagreb, Croatia.</p> <ul style="list-style-type: none">▪ Realisation of the activities within the CEEPUS project "CIII-SI-0708-06-1819 - Chemistry and Chemical Engineering". Guest lecture related to Synthesis of evaporation systems using mathematical programming; Organizing short mobility excursion for ten undergraduate students and supervision of students' seminar works presented at host institution. Host contact: Prof. dr. Zvjezdana Findrik Blažević
Od 23/04/2019 do 25/04/2019	<p>Radni sastanci</p> <p>Scientific & Technological Cooperation between Austria and Bosnia Herzegovina; Project: Modeling and Simulation of Biorefinery Concepts in the Context of Water and Heat Integration</p> <p>Graz University of Technology, Institute of Process and Particle Engineering, Inffeldgasse 13/III, 8010 Graz, Austria</p> <ul style="list-style-type: none">▪ Overview/Review of previous research projects; Attending work meetings and participation in discussions.
Od 01/04/2019 do 05/04/2019	<p>Erasmus+ staff mobility for teaching</p> <p>9th International Week Programme: "</p> <p>Pamukkale University, Faculty of Engineering, Department of Chemical Engineering, Çamlıca Mahallesi, Üniversite Cd. No:11, 20160 Pamukkale/Denizli, Turkey</p> <ul style="list-style-type: none">▪ Teaching activities (lectures) on the topic Simulation, optimisation and heat integration of single and multiple-effect evaporation plants; Attending the 9th International week programme and participation in discussions; Presentation of the University of Tuzla.
Od 04/03/2019 do 08/03/2019	<p>Erasmus+ staff mobility for training</p> <p>2nd Erasmus+ International Credit Mobility Week: "Internationalizing Higher Education Institutions beyond the European borders"</p> <p>University of Valencia, Av. de Blasco Ibáñez, 13, 46010 València, Spain</p> <ul style="list-style-type: none">▪ Attending the 2nd Erasmus+ International Credit Mobility Week; Training activities related to Internationalizing Higher Education Institutions beyond the European borders; Presentation of the University of Tuzla and participation in discussions
Od 15/01/2018 do 16/11/2018	<p>HEInnovate: Train the trainers</p> <p>COOP Hotel, Sofia, Bulgaria</p> <ul style="list-style-type: none">▪ Training activities related to a framework for entrepreneurial and innovative higher education institutions; Participation in workshops and discussions

Od 07/05/2018 do 11/05/2018	Erasmus+ staff mobility for teaching 8th International week Pamukkale University, Faculty of Engineering, Department of Chemical Engineering, Çamlaraltı Mahallesi, Üniversite Cd. No:11, 20160 Pamukkale/Denizli, Turkey ▪ Teaching activities (lectures) on the topic Process optimisation: Introduction and applications in chemical engineering; Attending at the 8 th International week and participation in discussions
Od 26/02/2018 do 02/03/2018	Mobility within the project “Involvement of visiting foreign experts and university teachers in the pedagogical process as a pillar of quality development process of internationalisation of the University of Maribor” (the project is co-funded by the European Social Fund and the Ministry of Education, Science and Sport of the Republic of Slovenia) University of Maribor, Faculty of Chemistry and Chemical Engineering, Smetanova 17, SI-2000 Maribor, Slovenia. ▪ Teaching activities (lectures/exercises) on the topic Process optimisation, modelling in GAMS, problem solving within a field of study Chemical Engineering, subject Process Optimisation.
Od 07/11/2017 do 08/11/2017	Mobility within the SCOPES (Scientific Co-operation between Eastern Europe and Switzerland) project University of Maribor, Faculty of Chemistry and Chemical Engineering, Smetanova 17, SI-2000 Maribor, Slovenia. ▪ Mobility within the SCOPES research project entitled “Computer Aided Process Engineering applied to energy, water, and waste reduction during process design and operation”. Attending work meetings and dissemination of research results. Host research contact: Prof. Zdravko Kravanja.
Od 14/06/2017 do 16/06/2017	Mobility within the SCOPES (Scientific Co-operation between Eastern Europe and Switzerland) project University of Maribor, Faculty of Chemistry and Chemical Engineering, Smetanova 17, SI-2000 Maribor, Slovenia. ▪ Mobility within the SCOPES research project entitled “Computer Aided Process Engineering applied to energy, water, and waste reduction during process design and operation”. Attending work meetings and dissemination of research results. Host research contact: Prof. Zdravko Kravanja.
Od 17/7/2016 do 23/07/2016	Exchange visit within the research project entitled Computer Aided Process Engineering applied to energy, water, and waste reduction during process design and operation (CAPE-EWWR: IZ73Z0_152622/1). Scientific Co-operation between Eastern Europe and Switzerland 2013-2016 (SCOPES 2013-2016). EPFL, Sion, Switzerland ▪ Prisustvovanje radnim sastancima u cilju realizacije aktivnosti na projektu; predstavljanje provedenih istraživanja; održavanje predavanja na temu “Synthesis of isothermal and non-isothermal water networks. Kontakt osoba: Prof. Francois Marechal
Od 17/06/2016 do 30/06/2016	Erasmus+ staff mobility for training/teaching Lappeenranta University of Technology, School of Business and Management, Lappeenranta, Finland ▪ Prisustvovanje radnim sastancima u cilju diskusije u vezi istraživanja i mogućnosti saradnje. Kontakt osoba: Prof. Andrzej Kraslawski.
Od 01/10/2014 do 30/06/2015	Visiting Professor in framework of project "Internationalization – A Pillar of Development of the University of Maribor" University of Maribor, Faculty of Chemistry and Chemical Engineering, Smetanova 17, SI-2000 Maribor, Slovenia. ▪ Realizacija edukacijskih i istraživačkih aktivnosti. Kontakt osoba: Prof. dr. Zdravko Kravanja
Od 23/06/2013 do 30/06/2013	Teaching mobility within the CEEPUS project PhD in Sustainable Chemistry and Chemical Engineering, Lecture related to Synthesis of heat-integrated process networks and applications of developed optimization models to problems of different complexity. University of Maribor, Faculty of Chemistry and Chemical Engineering, Smetanova 17, SI-2000 Maribor, Slovenia.
Od 01/09/2012 do 30/09/2012	EM2-STEM program mobilnosti Lappeenranta University of Technology, P.O.Box 20, 53851 Lappeenranta, Finland.

- Mobilnost u cilju sticanja novih znanja u vezi kurikuluma hemijskog inženjerstva na Lappeenranta University of Technology, case-base reasoning i upravljanja vodom i energijom u procesnim postrojenjima. Kontakt osoba: Prof. Andrzej Kraslawski.
- Od 03/10/2011 do 03/08/2012**
- JoinEU SEE program mobilnosti.- Postdoktorsko istraživanje i usavršavanje u Procesom sistemskom inženjerstvu**
- Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Smetanova 17, SI-2000 Maribor. Laboratorij za procesno sistemsko tehniko in trajnostni razvoj, Smetanova 17, 2000 Maribor, Slovenia.
- Postdoktorsko usavršavanje, sticanje novih iskustava i znanja u oblasti procesnog sistemskog inženjerstva. Istraživanje na projektima: Održivo upravljanje vodom i energijom u procesnoj industriji i Sinteza toplinsko integriranih procesnih mreža vode. Mentor: Prof. dr. Zdravko Kravanja
- Od 12/09/2010 do 18/09/2010**
- Mobilnost u okviru TEMPUS projekta**
- Katholieke Hogeschool Sint-Lieven, Gent, Belgium
- Studijska posjeta i usavršavanje u okviru TEMPUS projekta: Creation of university-enterprise cooperation networks for education on sustainable technologies. Project ID: 158989-JPHES.
- Od 15/09/2008 do 14/09/2009**
- Fulbright Visiting Scholar – Postdoktorsko istraživanje i usavršavanje u Procesnom sistemskom inženjerstvu**
- Carnegie Mellon University, Center for Advanced Process Decision-making, Department of Chemical Engineering, 5000 Forbes Avenue, Pittsburgh, PA 15213-3890 USA.
- Postdoktorsko usavršavanje, sticanje novih iskustava i znanja u oblasti procesnog sistemskog inženjerstva. Istraživanje na projektima: Energy Optimization of Bioprocess Systems; General Superstructure and Global Optimization for the Design of Integrated Process Water Networks. Mentor: Prof. dr. Ignacio E. Grossmann, Rudolph R. and Florence Dean University Professor.
- Od 19/04/2009 do 21/04/2009**
- 2009 Fulbright Visiting Scholar Conference**
- The Ritz-Carlton, 1150 22nd St NW, Washington, DC
- Attending plenary panels and sessions related to Access and Equity in Higher Education; Participations in discussions.
- Od 01/12/2003 do 20/12/2003**
- Mobilnost u okviru bilateralnog projekta između Slovenije i Bosne i Hercegovine**
- Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Smetanova 17, SI-2000 Maribor.
- Postdiplomsko usavršavanje i realizacija aktivnosti na naučno-istraživačkom projektu uspostavljenom između Slovenije i Bosne i Hercegovine: Računarsko potpomognuto optimiranje procesa. Mentor: Prof. dr. Zdravko Kravanja.
- Od 01/12/2002 do 24/12/2002**
- Postdiplomsko usavršavanje u Hemijskom inženjerstvu**
- Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo, Smetanova 17, SI-2000 Maribor.
- Postdiplomsko usavršavanje i izrada magistarskog rada: Toplinska integracija i rekonstrukcija mreže izmenjivača topline upotreboom matematičkog programiranja. Mentor: Prof. dr. Zdravko Kravanja.
- Od 11/06/2001 do 11/07/2001**
- Postdiplomsko usavršavanje u Hemijskom inženjerstvu**
- University Rovira and Virgili, Tarragona, Department of Chemical Engineering, Spain
- Studijska posjeta i postdiplomsko usavršavanje u okviru međuniverzitetske saradnje između Španije i Bosne i Hercegovine.
- Od 07/05/2001 do 18/05/2001**
- Postdiplomsko usavršavanje u Hemijskom inženjerstvu**
- University Rovira and Virgili, Tarragona, Department of Chemical Engineering, Spain
- Studijska posjeta i postdiplomsko usavršavanje u okviru međuniverzitetske saradnje između Španije i Bosne i Hercegovine.

OSOBNE VJEŠTINE

Maternji jezik

Bosnian

Ostali jezici

Engleski

RAZUMIJEVANJE		GOVOR		PISANJE
Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
B2	B2	B2	B2	B2

Upper Intermediate Level of English, B2

Stepeni: A1/2: Početnik - B1/2: Samostalni korisnik - C1/2 Iskusni korisnik

Zajednički europski referentni okvir za jezike

Komunikacijske vještine

Odlične pisane i oralne komunikacijske vještine stečene kroz:

- Rad u edukaciji i istraživanju i diseminaciji znanja na različitim univerzitetima
- Prezentaciju rezultata istraživanja na međunarodnim i domaćim naučnim i stručnim konferencijama i publikaciju radova u časopisima sa visokim impact faktorima
- Rad i istraživanje u međunarodnim istraživačkim timovima

Organizacijske / rukovoditeljske vještine

Odlične organizacijske i rukovoditeljske vještine su stečene kroz rad:

- Prodekan za nastavu i studentska pitanja na Tehnološkom fakultetu Univerziteta u Tuzli
- Voditelj nekoliko naučno-istraživačkih bilateralnih projekata (bilateralni projekti između Bosne i Hercegovine i Slovenije i Bosne i Hercegovine i Austrije)
- Voditelj naučno-istraživačkog međunarodnog projekta na Univerzitetu u Tuzli u okviru programa SCOPES (Scientific Co-operation between Eastern Europe and Switzerland), 2014-2017)
- Voditelj nekoliko naučno-istraživačkih projekata realiziranih u Bosni i Hercegovini
- Kordinator CEEPUS projekta na Univerzitetu u Tuzli, 2012-.
- Kordinator Erasmus+ projekta, "INTERNationalization at Home: Embedding Approaches and Structures to Foster Internationalization at Western Balkans/ INTERBA", na Univerzitetu u Tuzli, 2019-.
- Mentorstvo pri izradi doktorskih disertacija, magistarskih i diplomskih radova
- Predsjednik kantonalnog Savjeta za nauku i tehnologiju, Tuzla, 2022

Poslovne vještine

Odlične vještine u vezi timskog rada. Odlična sposobnost prilagođavanja u multikulturalne sredine. Odlično uspostavljanje i održavanje veza sa ljudima koji potiču iz različitih nacionalnih i kulturnih sredina. Ove vještine su stečene kroz višegodišnje studijske posjete u nekoliko programa mobilnosti (Fulbright Visiting Scholar Program, JoinEU-SEE Program, EM2-STEM Program, DAAD Program, CEEPUS Program) i rad u nekoliko međunarodnih (Erasmus+, SCOPES, TEMPUS) i domaćih edukacijskih i istraživačkih projekta

Računalne vještine

Odlične kompjuterske vještine u vezi korištenja kompjutersko potpomognutih alata za simulaciju, modeliranje i optimizaciju hemijskih procesa (GAMS). Navedene vještine su stečene kroz usavršavanje, rad i istraživanje u oblasti procesnog sistemskog inženjerstva. Odlične vještine u vezi korištenja Microsoft Office alata (Word, Excel, PowerPoint, etc.) stečene kroz dugogodišnji rad u edukaciji i istraživanju.

Vozačka dozvola

Kategorije vozačke dozvole:

- B, C, CE

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- Meeting "Modern Trends in Dairy Technology", September 28-29, 2006, Faculty of Technology, Novi Sad, Serbia.
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103. Ahmetović, E., Suljkanović, E. (2005). Computer-aided tool for analysis of multiple-effect evaporator with thermal vapour recompression. XX Meeting "Modern Trends in Dairy Technology", September 29-30, 2005, Faculty of Technology, Novi Sad, Serbia.
104. Ahmetović, E., Suljkanović, M. (2005). Process simulator of citric acid concentration and crystallization. XIX Croatian Meeting of Chemists and Chemical Engineers, April 24-27, 2005, Opatija, Croatia. Book of Abstracts, 324.
105. Suljkanović, M., Fazlić, A., Ahmetović, E. (2005). Structure of systematic parameters of concentration process structure with mechanical vapor recompression. XIX Croatian Meeting of Chemists and Chemical Engineers, April 24-27, 2005, Opatija, Croatia. Book of Abstracts, 327.
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108. Suljkanović, M., Fazlić, A., Ahmetović, E. (2004). Simulation of process structures of dairy products concentration with integral heat energy recuperation. XIX Meeting "Modern Trends in Dairy Technology", October 7-8, 2004, Faculty of Technology, Novi Sad, Serbia.
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110. Suljkanović, M., Ahmetović, E., Osmanović, Z. (2004). Process simulator of a contact heater/cooler. 11th Ružička Days, June 28-29, 2004, Vukovar, Croatia. Book of Abstracts, P-14.
111. Suljkanović, M., Ahmetović, E., Bašić, M. (2003). The process simulator of thermal milk concentration. Food Industry, 14, 1-2, 82-89.
112. Suljkanović, M., Ahmetović, E., Bašić, M. (2003). The process simulator of thermal milk concentration. XVIII Meeting "Modern Trends in Dairy Technology", October 9-10, 2003, Faculty of Technology, Novi Sad, Serbia.
113. Suljkanović, M., Ahmetović, E., Kravanja, Z. (2003). The process simulator of alternative process structure of fractional crystallization form the NaCl-Na₂SO₄-H₂O system. Slovenian Chemical Days 2003, September 25-26, 2003, Maribor, Slovenia.
114. Suljkanović, M., Ahmetović, E., Kravanja, Z. (2003). Analysis of the process structure for dehydration of crystalohydrate. Slovenian Chemical Days 2003, September 25-26, 2003, Maribor, Slovenia.
115. Suljkanović, M., Ahmetović, E., Burgić, M. (2003). Synthesis of process structure for concentration and crystallization of citric acid. XVIII Croatian Meeting of Chemists and Chemical Engineers, February 16-19, 2003, Zagreb, Croatia. Abstracts, 221.
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119. Perdija, S., Ahmetović, E. (2000). Mathematical modelling of cooling process of gas from calcination. Proceedings of Faculty of Technology, 15-24, Tuzla, Bosnia and Herzegovina.

**Presjedavajući i do-presjedavajući
na konferencijskim sekcijama**

Sekcija: Energy 1. The 10th Conference on Sustainable Development of Energy, Water and Environment Systems – SDEWES Conference, September 27-October 2, 2015, Dubrovnik, Croatia.

Sekcija: Energy efficiency in residential sector. The 8th Conference on Sustainable Development of Energy, Water and Environment Systems – SDEWES Conference, September 22-27, 2013, Dubrovnik, Croatia.

Sekcija: Sustainable Biofuel Production 16th Conference Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction. 29 September - 2 October, 2013, Rhodes, Greece.

Član odbora za ocjenu postera. The 10th Conference on Sustainable Development of Energy, Water and Environment Systems – SDEWES Conference, September 27-October 2, 2015, Dubrovnik, Croatia.

Član radne grupe, ispred Tehnološkog fakulteta Univerziteta u Tuzli, za izradu standarda kvalifikacija u sklopu zajedničkog projekta Evropske unije i Vijeća Evrope „Strateški razvoj visokog obrazovanja i standarda kvalifikacija“ u periodu od 2013-2014.

**Učešće u projektu u vezi razvoja
visokog obrazovanja****KNJIGE , MONOGRAFIJE,
POGLAVLJA U KNJIGAMA**

Ahmetović, E. (2020). Hidromehaničke operacije I, Univerzitet u Tuzli, Tehnološki fakultet, Tuzla

Ahmetović, E., Grossmann, I.E., Kravanja, Z., Ibrić, N. (2017). "Water Optimization in Process Industries", 487-512. (poglavlje objavljeno u knjizi: Sustainable Utilization of Natural Resources (urednici: P. Mondal and A.K. Dalai).

Ahmetović, E. (2017). Odabrana poglavlja hemijsko-procesnog inženjerstva, Univerzitet u Tuzli, Tehnološki fakultet, Tuzla.

Suljkanović, M., Ahmetović, E. (2016). Koncentriranje i kristalizacija iz elektrolitskih sistema, Projektna i eksploataciona analiza, C.P.A, Tojišći.

Jašić, M., Burgić, M., Ahmetović, E. (2013). Održive tehnologije i hemijska industrija, Knjiga 4, Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad.

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Tomić, M., Mičić, V., Pejović, B., Ahmetović, E. (2013). Nulta emisija materije i energije u hemijskoj industriji, 113-128, (Poglavlje publicirao u knjizi: Održive tehnologije i hemijska industrija, Knjiga 4, Univerzitet u Novom Sadu, Tehnološki fakultet, Novi sad, Urednici: Jašić, M., Burgić, M., Ahmetović, E.).

Ahmetović, E. (2010). Toplinske operacije u procesnom inženjerstvu, Off-set, Tuzla.

Suljkanović, M., Ahmetović, E. (2007). Analiza i simulacija hemijskih procesa-situacioni pristup, IHI, Tuzla.

Suljkanović, M., Ahmetović, E. (2006). Kompjuterska simulacija industrijskih procesa kristalizacije-elektrolitski sistemi, IHI, Tuzla (Monografija).

MENTORSTVA**Doktorska disertacija**

Ibrić, N. (2014). Sinteza i optimizacija procesnih mreža vode. Doktorska disertacija. Tehnološki fakultet, Univerzitet u Tuzli. (Mentor: Dr.sc. Elvis Ahmetović, vanredni profesor).

Magistarski rad

Mustafić, N. (2016). Analiza i optimizacija višestepenog isparivačkog sistema. Magistarski rad. Tehnološki fakultet, Univerzitet u Tuzli. (Mentor: Dr.sc. Elvis Ahmetović, vanredni profesor).

Mujkić, Z. (2015). Sinteza i optimizacija mreže izmjenjivača topline. Magistarski rad. Tehnološki fakultet, Univerzitet u Tuzli. (Mentor: Dr.sc. Elvis Ahmetović, vanredni profesor).

Ibrić, N. (2010). Razvoj optimizacijskog modela za projektovanje integralnog sistema vode u procesnoj industriji. Magistarski rad. Tehnološki fakultet, Univerzitet u Tuzli. (Mentor: Dr.sc. Elvis Ahmetović, docent).

Skejić, A. (2019). Primjena Aspen Plus softvera u rješavanju hemijsko-inženjerskih problema. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli (Mentor: Dr.sc. Elvis Ahmetović, redovni profesor).

Grapkić, S. (2019). Istraživanje procesa izmjene topline u cjevnom izmjenjivaču topline. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli (Mentor: Dr.sc. Elvis Ahmetović, redovni profesor).

Mešinović, A. (2019). Istraživanje procesa izmjene topline u pločastom izmjenjivaču topline. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli (Mentor: Dr.sc. Elvis Ahmetović, redovni profesor).

**Diplomski rad/
Završni rad prvog ciklusa studija**

Puhar, J. (2018). Simulacija razpenjalnika s programskim orodjem Scilab in GAMS. Zaključno delo prve stopnje študija. Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo (Somentor: Dr.sc. Elvis Ahmetović, redovni profesor).

- Piro, N. (2018). Primjena pinch tehnologije za integraciju topline. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli (Mentor: Dr.sc. Elvis Ahmetović, redovni profesor).
- Porić, A. (2017). Sistemske metode za integraciju vode u procesnoj industriji. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli (Mentor: Dr.sc. Elvis Ahmetović, redovni profesor).
- Okanović, M. (2016). Primjena kompjutera u rješavanju problema iz Toplinskih operacija. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli (Mentor: Dr.sc. Elvis Ahmetović, vanredni profesor).
- Aljić, A. (2016). Preliminarno projektovanje klasičnog višestepenog isparavanja. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli (Mentor: Dr.sc. Elvis Ahmetović, vanredni profesor).
- Mujanović, M. (2014). Sinteza mreže izmjenjivača topline. Završni rad prvog ciklusa studija. Tehnološki fakultet, Univerzitet u Tuzli. (Mentor: Dr.sc. Elvis Ahmetović, vanredni profesor)
- Đonlić, D. (2014). Ponovno korištenje i recikliranje vode u procesnoj industriji. Završni rad prvog ciklusa studija, Tehnološki fakultet, Univerzitet u Tuzli. (Mentor: Dr.sc. Elvis Ahmetović, vanredni profesor).
- Čikarić, E. (2008). Simulacija procesa klasičnog višestepenog isparavanja i isparavanja uz primjenu termičke rekompresije pare. Diplomski rad, Tehnološki fakultet, Univerzitet u Tuzli. (Mentor: Dr.sc. Elvis Ahmetović, docent).

NAUČNO-ISTRAŽIVAČKI PROJEKTI 2019-2022

Naziv projekta: Sinteza isparivačkih sistema upotrebom matematičkog programiranja.

Program: Naučna i tehnoška saradnja između Bosne i Hercegovine i Republike Slovenije.

Vrijeme trajanja projekta: 01.01.2019-31.12.2022 godina.

Partneri: Univerzitet u Tuzli, Tehnološki fakultet (Bosna i Hercegovina) i Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo (Slovenija).

Voditelji projekta: Prof. dr. Elvis Ahmetović (Bosna i Hercegovina) i Prof. dr. Zdravko Kravanja (Slovenija).

2019-2020

Naziv projekta: Modeliranje i simulacija biorafinerijskih koncepata u kontekstu integracije vode i topline (MoBi-Water-Heat).

Program: Naučna i tehnoška saradnja između Bosne i Hercegovine i Republike Austrije.

Vrijeme trajanja projekta: 01.01.2019-31.12.2020 godina.

Partneri: Univerzitet u Tuzli, Tehnološki fakultet (Bosna i Hercegovina) i Graz University of Technology, Institute of Process and Particle Engineering (Austrija).

Voditelji projekta: Prof. dr. Elvis Ahmetović (Bosna i Hercegovina) and Prof. dr. Stefan Radl (Austrija).

2020

Naziv projekta: Energetska efikasnost tehnoloških procesa i smanjenje emisije plinova u okolinu.

Program: Interni poziv za finansiranje/sufinansiranje projekata iz oblasti nauke od značaja za Federaciju Bosne i Hercegovine u 2019. godini baziran na Ugovoru potpisanim između Federalnog ministarstva obrazovanje i nauke i Univerziteta u Tuzli.

Vrijeme trajanja projekta: 01.01.2019-31.12.2020 godina.

Voditelj projekta: Prof. dr. Elvis Ahmetović (Univerzitet u Tuzli, Tehnološki fakultet).

2014-2017

Naziv projekta: Kompjutersko potpomognuto procesno inženjerstvo primjenjeno za smanjenje energije, vode i otpada tokom dizajniranja i rada procesa (CAPE-EWWR).

Program: Naučna saradnja između Istočne Evrope i Švicarske (SCOPES): Zajednički istraživački projekti (JRP)

Vrijeme trajanja projekta: 01.10.2014-30.09.2017. godina

Partneri: École Polytechnique Fédérale de Lausanne (EPFL), Industrial Process and Energy Systems Engineering (Švicarska), Univerzitet u Tuzli, Tehnološki fakultet (Bosna i Hercegovina) i Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo (Slovenija).

Voditelji projekta: Prof. dr. François Maréchal (Švicarska), Prof. dr. Elvis Ahmetović (Bosna i Hercegovina) i Prof. dr. Zdravko Kravanja (Slovenija).

2017

Naziv projekta: Simulacija i optimizacija isparivačko/kristalizacionih separacionih procesa.

Program: Poziv za finansiranje/sufinansiranje naučno-istraživačkih i istraživačko razvojnih projekata u Federaciji Bosne i Hercegovine u 2016. godini baziran na Ugovoru potpisanim između Federalnog ministarstva obrazovanje i nauke i Univerziteta u Tuzli.

Vrijeme trajanja projekta: 01.01.2017-31.12.2017.

Voditelj projekta: Prof. dr. Elvis Ahmetović (Univerzitet u Tuzli, Tehnološki fakultet).

- 2014-2015** Naziv projekta: Sinteza održivih mreža vode, otpadne vode i energije u procesnoj industriji.
Program: Naučna i tehnološka saradnja između Bosne i Hercegovine i Republike Slovenije.
Vrijeme trajanja projekta: 01.01.2014-31.12.2015.
Partneri: Univerzitet u Tuzli, Tehnološki fakultet (Bosna i Hercegovina) i Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo (Slovenija).
Voditelji projekta: Prof. dr. Elvis Ahmetović (Bosna i Hercegovina) i Prof. dr. Zdravko Kravanja (Slovenija).
- 2011-2012** Naziv projekta: Održivo upravljanje vodom i energijom u procesnoj industriji.
Program: JoinEU-SEE II, ERASMUS MUNDUS Action 2.
Vrijeme trajanja projekta: 03.10.2011-03.08.2012.
Vrsta mobilnosti: Postdoktorsko istraživanje.
Institucija u kojoj realiziran projekat: Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo (Slovenija).
Kontakt osoba i mentor: Prof. dr. Zdravko Kravanja
JoinEU-SEE aplikant, predlagač i realizator projekta: Prof. dr. Elvis Ahmetović (Univerzitet u Tuzli, Tehnološki fakultet).
- 2010-2011** Naziv projekta: Razvoj optimizacijskog modela i njegova primjena u smanjenju potrošnje vode u procesnoj industriji.
Program: Naučna i tehnološka saradnja između Bosne i Hercegovine i Republike Slovenije.
Vrijeme trajanja projekta: 01.01.2010-31.12.2011 godina.
Partneri: Univerzitet u Tuzli, Tehnološki fakultet (Bosna i Hercegovina) i Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo (Slovenija).
Voditelji projekta: Prof. dr. Elvis Ahmetović (Bosna i Hercegovina) i Prof. dr. Zdravko Kravanja (Slovenija).
- 2011** Naziv projekta: Automatizirana sinteza i dizajniranje održivih procesa.
Program: Poziv za finansiranje/sufinansiranje naučno-istraživačkih projekata u Federaciji Bosne i Hercegovine u 2010 godini baziran na Ugovoru potpisanim između Federalnog ministarstva obrazovanje i nauke i Univerziteta u Tuzli.
Vrijeme trajanja projekta: 01.01.2011-31.12.2011.
Voditelj projekta: Prof. dr. Elvis Ahmetović (Univerzitet u Tuzli, Tehnološki fakultet).
- 2010** Naziv projekta: Efikasno korištenje vode i energije u procesnoj industriji.
Program: Podrška istraživačkim projektima od strane Ministarstva obrazovanja, nauke, kulture i sporta Tuzlanskog kantona.
Vrijeme trajanja projekta: 01.01.2010-31.12.2010.
Voditelj projekta: Prof. dr. Elvis Ahmetović (Univerzitet u Tuzli, Tehnološki fakultet).
- 2008-2009** Naziv projekta: Optimizacija vode i energije bioprocесnih sistema.
Programme: Fulbright Visiting Scholar Program
Programme sponsor: U.S. Department of State
Vrijeme trajanja projekta: 15.09.2008-14.09.2019.
Institucija u kojoj je realiziran projekat: Carnegie Mellon University, Center for Advanced Process Decision-making, Department of Chemical Engineering, 5000 Forbes Avenue, Pittsburgh, PA 15213-3890, United States.
Kontakt osoba i mentor: Prof. dr. Ignacio E. Grossmann.
Aplikant i istraživač u projektu: Dr. sci. Elvis Ahmetović, docent
- 2007** Naziv projekta: Eksplotacioni proračun pogona za proizvodnju soli vakuum-isparavanjem u Solani d.d. Tuzla.
Nosilac zadatka: Institut za hemijsko inženjerstvo Tuzla.
Industrijski partner: Solana d.d. Tuzla.
Vrijeme trajanja projekta: 2007.
Saradnik u projektu: Dr. sci. Elvis Ahmetović, docent.
- 2006** Naziv projekta: Dimenzioniranje kondenzacionog sistema destilacione kolone.
Nosilac zadatka: Univerzitet u Tuzli, Tehnološki fakultet.
Industrijski partner: Global Ispat Koksna Industrija Lukavac (GIKIL)
Vrijeme trajanja projekta: 2006.
Saradnik u projektu: Dr. sci. Elvis Ahmetović.

2005 Naziv projekta: Proračun i provjera funkcionalnosti desorpcione kolone za amonijačne vode u GIKIL-u sa starog postrojenja spajljivanja amonijaka.
Nositelj zadatka: Univerzitet u Tuzli, Tehnološki fakultet.
Industrijski partner: Global Ispat Koksa Industrija Lukavac (GIKIL)
Vrijeme trajanja projekta: 2005.
Saradnik u projektu: Dr. sci. Elvis Ahmetović, docent.

2002-2003 Naziv projekta: Računarsko potpomognuto optimiranje procesa.
Program: Naučna i tehnološka saradnja između Bosne i Hercegovine i Republike Slovenije.
Vrijeme trajanja projekta: 01.01.2002-31.12.2003.
Partneri: Univerzitet u Tuzli, Tehnološki fakultet (Bosna i Hercegovina) i Univerza v Mariboru, Fakulteta za kemijo in kemijsko tehnologijo (Slovenija).
Saradnik u projektu: Dr. sci. Elvis Ahmetović, docent.

**Erasmus+ projekt
2019-2023** Koordinator Erasmus+ projekta "INTERnationalization at Home: Embedding Approaches and Structures to Foster Internationalization at Western Balkans (INTERBA)" na Univerzitetu u Tuzli

**CEEPUS projekt
2012-2023** Koordinator CEEPUS (Central European Exchange Program for University Studies) projekta "PhD in Chemistry and Chemical Engineering" na Tehnološkom fakultetu Univerziteta u Tuzli.

**Odabрана predavanja & Pozvana
predavanja & Seminar & Treninzi**
Predavanje: Re-Training – Didactics, curriculum development, and curriculum planning. Hybrid Workshops and Re-Training within the Erasmus+ Project "INTERBA", Univerzitet u Tuzli, Tehnološki fakultet, Tuzla, Bosna i Hercegovina, Decembar 28-29, 2022.

Predavanje: Međunarodna saradnja i međuuniverzitetska saradnja-mogućnosti i perspektive. Rektorska konferencija „Visoko obrazovanje, javni univerziteti i perspektive razvoja“, Univerzitet u Sarajevu, Sarajevo, Bosna i Hercegovina, Decembar 1, 2022.

Plenarno predavanje: Importance of Water and Energy Integration in Circular Economy Approach. The 5th International Conference on Technologies & Business Models for Circular Economy, September 12-14, 2022, Portorož, Slovenia. Plenary Lecture.

Pozvano predavanje: Tips for writing project proposals. Connect2022, Neum, Bosna i Hercegovina, Avgust 28-Septembar 3, 2022.

Predavanje: Combined Water and Energy Integration in the Process Industries. Training within the Erasmus+ Project "INTERBA", Palermo, Italy, July 18-20, 2022.

Predavanje: Combined Water and Energy Integration in the Process Industries. Training within the Erasmus+ Project "INTERBA", Tirana, Albania, April 11-14, 2022.

Pozvano predavanje na radionici: Predstavljanje i promoviranje Erasmus+ KA2 projekta "INTERnationalization at Home: Embedding Approaches and Structures to Foster Internationalization at Western Balkans", Univerzitet u Tuzli, Tuzla, Bosna i Hercegovina, Decembar 10, 2021

Pozvano predavanje na radionici: Iskustva iz realiziranih mobilnosti u Erasmus+ KA1 programu, Univerzitet u Tuzli, Tuzla, Bosna i Hercegovina, Decembar 10, 2021

Pozvano predavanje: How to write the best project proposal and get funds. Connect2021, Neum, Bosna i Hercegovina, Avgust 9-13, 2021

Pozvano predavanje: Writing project proposals. Connect2020, Neum, Bosna i Hercegovina, Avgust 22-29, 2020

PSE Seminar: Synthesis, Optimisation and Heat Integration of Evaporation Systems, Bremen (Germany), July 25, 2019. Seminar given at the University of Bremen, Laboratory of Process Systems Engineering.

Trening: HEInnovate Train the Trainers, Sofia (Bulgaria), November 15-16, 2018. Aktivno učešće u treningu, radionicama i diskusijama.

Seminar/Workshop organizovan u okviru 22. Ljetnog Univerziteta Tuzla: Application of computer aided process engineering for reducing water/energy consumption and waste generation in technological processes. Tuzla, Bosnia and Herzegovina, July 4, 2017. Seminar held within the SCOPES (Scientific Co-operation between Eastern Europe and Switzerland) research project.

Plenarno predavanje: Water and heat integration in the process industry, 5tf Environmental Resources, Sustainable Development and Food Production-OPORPH 2017, November 16-17, Tuzla,

Bosnia and Herzegovina

CEEPUS predavanje: Synthesis of Heat-Integrated Water Networks. Faculty of Chemistry and Chemical Engineering, University of Maribor, Maribor, June 2013.

Pozvano sekcijsko predavanje: Sustainable Water, Wastewater, and Energy Management in the Process Industries. „10th Conference of Chemists, Technologists and Environmentalists of RS“. November 15 - 16, 2013, Banja Luka.

Gostujuće predavanje: Process Integration: Water and Energy Optimization in Process Industry, Lappeenranta University of Technology, Lappeenranta, Finland, September 21, 2012.

Pozvano predavanje: Water Network Synthesis in Process Industry. IX Meeting of Young Chemical Engineers, "New Technologies & Knowledge Transfer, University of Zagreb, Croatia, February 16-17, 2012.

Seminar: "Fulbright Visiting Scholar Program 2008-2009" organized on the occasion of the 50th anniversary of the Faculty of Technology in Tuzla. October 23.10.2009.

Process Systems Engineering Seminar: General superstructure and global optimization for the design of integrated process water networks. Carnegie Mellon University, Department of Chemical Engineering. Pittsburgh, PA, USA. August 28, 2009.

Gostujući predavač na Poljoprivredno-Prehrambenom fakultetu, Univeziteta u Sarajevu. Nastavni predmet: Tehnološke operacije u prehrambenoj industriji. Tema: Uvod u tehnološke operacije, toplinske osobine hrane, izmenjivači topline i isparivači, Maj, 2005.

Federalna nagrada za nauku za oblast Tehničke nauke dodijeljena od Federalnog Ministarstva obrazovanja i nauke/znanosti i Vlade Federacije Bosne i Hercegovine, 2022.

Federalna nagrada za nauku za popularizaciju i promociju nauke dodijeljena od Federalnog Ministarstva obrazovanja i nauke/znanosti i Vlade Federacije Bosne i Hercegovine, 2021

Stipendija za Erasmus + mobility for teaching, 2018, 2019, 2021

Stipendija za Erasmus + mobility for teaching/training, 2016

Grant za međunarodni naučno-istraživački projekat SCOPES (Scientific Co-operation between Eastern Europe and Switzerland), 2014-2017

Grant za naučno-istraživački projekat od strane Federalnog ministarstva obrazovanja i nauke, 2016/2017

Nagrada za najbolji rad (Best paper award), SDEWES 2012 konferencija (Sustainable Development of Energy, Water and Environment Systems).

EM2-STEM stipendija, 2012.

JoinEU SEE stipendija, 2011/2012.

DAAD stipendija, 2011.

Fulbright Visiting Scholar Program stipendija, 2008/2009

Novčana nagrada, Rektora Univerziteta u Tuzli, za izuzetne rezultate rada, 2007.

Stipendija Ministarstva obrazovanja, nauke, kulture i sporta Tuzlanskog kantona za doktorski studij, 2005.

Stipendija za postdiplomsko usavršavanje u okviru međunarodne saradnje između Rovira i Virgili univerziteta i Univerziteta u Tuzli, 2001.

Stipendija Ministarstva nauke i tehnologije Republike Slovenije za postdiplomsko usavršavanje, 2000/2001.

Grant za postiplomski studij (Podržano od Austrian Federal Chancellery), 2000.

Recenzent za časopise

AICHE Journal

Chemical Engineering Research and Design

Computers and Chemical Engineering

Chemical Engineering Science

Industrial & Engineering Chemistry Research

Applied Energy

Energy

Journal of Cleaner Production

Journal of Environmental Management

Sustainable Production and Consumption

Latin American Applied Research - An International Journal

Chemical and Biochemical Engineering Quarterly

Thermal Science

Croatian Journal of Food Science and Technology

Chemical Engineering Transactions Resource-Efficient Technologies

Journal of Sustainable Development of Energy, Water and Environment Systems

Chemical Engineering Transactions

Frontiers in Chemical Engineering
Chemistry in Industry

Recenzent knjiga i poglavlja u knjigama

Advances in Carbon Management Technologies (2020). Editors: Subhas Sikdar and Frank Princiotta. CRC Press.

Sustainable Utilization of Natural Resources (2017). Editors: Prasenjit Mondal and Ajay K. Dalai. Boca Raton, CRC Press.

Alternative Energy Sources and Technologies Process Design and Operation (2016). Editor: Mariano Martín Martín. Cham, Springer.

Introduction to Software for Chemical Engineers (2014). Editor: Mariano Martín Martín. Boca Raton, Florida, CRC Press.

Urednik

Research Topic "Combined Water and Heat Integration in the Process Industries", Frontiers in Chemical Engineering, Computational Methods in Chemical Engineering, 2020-

<https://www.frontiersin.org/research-topics/15636/combined-water-and-heat-integration-in-the-process-industries>

Članstva

Dopisni član Akademije nauka i umjetnosti Bosne i Hercegovine, 2022.

Član Uredničkog odbora časopisa Kemija u industriji, 2022.

<http://silverstripe.fkit.hr/kui/assets/Uploads/Novosti-KUI-2022-03-04-235-244.pdf>

Član međunarodnog naučnog odbora, the 32nd European Symposium on Computer-Aided Process Engineering (ESCAPE), June 12-15, 2022, Toulouse, France.

Član naučnog savjetodavnog odbora, the 3rd Latin American Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), July 24–28, 2022, São Paulo, Brazil

Član naučnog savjetodavnog odbora, 5th South East European Conference on Sustainable development of Energy, Water and Environment Systems (SEE SDEWES), May 22–26, 2022, Vlore, Albania.

Član naučnog savjetodavnog odbora, 15th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), September 1–5, 2020, Cologne, Germany.

Član naučnog savjetodavnog odbora, 4th South East European Conference on Sustainable development of Energy, Water and Environment Systems (SEE SDEWES), June 28–July 2, 2020, Sarajevo, Bosnia and Herzegovina.

Član naučnog savjetodavnog odbora, 1st Asia Pacific Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), April 6–9, 2020, Gold Coast, Australia.

Član naučnog savjetodavnog odbora, 2nd Latin American Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), February 9–12, 2020, Buenos Aires, Argentina.

Član međunarodnog naučnog odbora, 29th European Symposium on Computer-Aided Process Engineering (ESCAPE), June 16-19, 2016, Eindhoven, the Netherlands.

Član Sekcije za energiju-Energy and Resources Efficiency in the Chemical and Process Industry, European Federation of Chemical Engineering (EFCE), od 2019.

Član naučnog savjetodavnog odbora, 14th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), October 1–6, 2019, Dubrovnik, Croatia.

Član naučnog savjetodavnog odbora, 13th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), September 30–October 4, 2018, Palermo, Italy.

Član naučnog savjetodavnog odbora, 1st Latin American Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), January 28–31, 2018, Rio de Janeiro, Brazil.

Član Senata Univerziteta u Tuzli, od 2017 do 2021.

Član naučnog savjetodavnog odbora, 10th International Conference on Sustainable Energy & Environmental Protection (SEEP), Water and Air Quality, June 27-30, 2017, Bled, Slovenia.

Član naučnog savjetodavnog odbora, 25th Croatian Conference of Chemists and Chemical

Engineers with International Participation (25. HRVATSKI SKUP KEMIČARA I KEMIJSKIH INŽENJERA s međunarodnim sudjelovanjem), April 19-22, 2017, Poreč, Croatia.

Član naučnog savjetodavnog odbora, 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), October 4–8, 2017, Dubrovnik, Croatia.

Član naučnog savjetodavnog odbora, 2nd South East European Conference on Sustainable development of Energy, Water and Environment Systems (SEE SDEWES), June 15–18, 2016, Piran, Slovenia.

Član međunarodnog naučnog odbora, 26th European Symposium on Computer-Aided Process Engineering (ESCAPE), June 12-15, 2016, Portorož, Slovenia.

Član upravnog odbora Univerzitetskog sportskog društva, od 2016.

Član naučnog savjetodavnog odbora, 10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), September 27–October 2, 2015, Dubrovnik, Croatia.

Član naučnog savjetodavnog odbora, 9th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), September 20–27, 2014, Venice-Istanbul, Turkey.

Član naučnog savjetodavnog odbora, 1st South East European Conference on Sustainable development of Energy, Water and Environment Systems (SEE SDEWES), June 29–July 3, 2014, Ohrid, Republic of Macedonia

Član naučnog savjetodavnog odbora, 8th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), September 20–27, 2013, Dubrovnik, Croatia.

Senior član Američkog instituta hemijskih inženjera (AIChE), od 2016.

Član Američkog instituta hemijskih inženjera (AIChE), od 2009.

Član Hrvatskog društva hemijskih inženjera i tehnologa (HDKI), od 2002.



Video prezentacije i gostovanje u televizijskim emisijama

2023

Gostovanje u emisiji Dobro jutro TK Radiotelevizije Tuzlanskog kantona povodom dobijene federalne nagrade za tehničke nauke za značajno naučno dostignuće u području tehničkih nauka i izbora u dopisnom člana Akademije nauka i umjetnosti Bosne i Hercegovine:

https://youtu.be/8ZKzjRSs_bc

<https://youtu.be/GSOoyXmRXD0>

2022

Gostovanje u emisiji Putokaz Radiotelevizije Tuzlanskog kantona u vezi dobijene godišnje federalne nagrade za tehničke nauke za značajno naučno dostignuće u području tehničkih nauka kroz niz naučnih radova koji čine cjelinu i doprinose proširenju postojećih naučnih spoznaja u oblasti hemijskog inženjerstva, sinteze i optimizacije toplinsko-integriranih mreža vode i integracije vode i energije u tehnološkim procesima:

<https://youtu.be/Pmw0z3y7Kss>

<https://youtu.be/vIX3mss9S2w>

2022

Intervju za Radio televiziju Tuzlanskog kantona povodom realizacije radionica i treninga na Univerzitetu u Tuzli u okviru projekta pod nazivom "INTERnationalization at Home: Embedding Approaches and Structures to Foster Internationalization at Western Balkans (NTERBA)" čiji sam voditelj na Univerzitetu u Tuzli:

<https://youtu.be/bBTUMGkGhlU>

<https://youtu.be/KeX0ZplmENC>

2022

Izlaganje na Rektorskoj konferenciji, pod nazivom „Visoko obrazovanje, javni univerziteti i perspektive razvoja“, koja je održana 01.12.2022. godine na Univerzitetu u Sarajevu. Izlaganje se odnosi na konferencijsku temu „Međunarodna saradnja i međuniverzitetska saradnja-mogućnosti i perspektive“ u kome sam istakao neka od dosadašnjih iskustava iz međunarodne i međuniverzitetske saradnje i generalne zaključne u vezi teme a koji mogu biti značajni za univerzitete u našoj zemlji:

https://youtu.be/KPOxkV_6Bto

- 2022 Izlaganje na međunarodnoj konferenciji pod nazivom Circular Economy-Opportunities and Challenges održanoj od 17. do 18. novembra 2022. godine u Tirani (Albania):
<https://youtu.be/2ABnlzllo-c>
- 2022 Gostovanje u emisiji Dobar Dan TK Radiotelevizije Tuzlanskog kantona povodom dobijene federalne nagrade za popularizaciju i promociju nauke i za doprinos u širenju naučnih spoznaja kroz njihovo publikovanje, prezentiranje i promoviranje na domaćem i međunarodnom planu:
<https://youtu.be/7cXgpkRRWZk>
- 2022 Gostovanje u emisiji Putokaz Radiotelevizije Tuzlanskog kantona u vezi dobijene godišnje federalne nagrade za popularizaciju i promociju nauke:
<https://youtu.be/-7vN-PWgqcY>
- 2021 How to write a successful project proposal and get funds, Connect2021, Neum:
<https://youtu.be/7cXgpkRRWZk>
- 2021 Promocija mobilnosti u okviru Erasmus+ programa na Pamukkale Univerzitetu (Denizli, Turska):
<https://youtu.be/ejF5hTtD1hM>
- 2021 Predstavljanje i promoviranje projekta pod nazivom INTERnationalization at Home: Embedding Approaches and Structures to Foster Internationalization at Western Balkans/INTERBA, 26. Ljetni Univerzitet, Tuzla:
<https://youtu.be/rGOM2ZhP6PQ>
- 2020 Gostovanje u emisiji Putokaz Radiotelevizije Tuzlanskog kantona u vezi međunarodnih projekata na Univerzitetu u Tuzli (vidjeti od 1:08 do 01:34 minute i 17:05 do 21:14 minute):
<https://youtu.be/dq-pOsSa4xM>
- 2020 How to Write Project Proposals, Connect2020, Neum:
<https://youtu.be/Uv07V0ICQbw>
- 2020 Značaj međunarodne saradnje i mobilnosti za istraživanje i edukaciju na univerzitetima. Video je pripremljen za Evropsku noć istraživača u Bosni i Hercegovini u 2020. godini, a njegov cilj je ukazati na značaj međunarodne saradnje i mobilnosti za istraživanje i edukaciju na univerzitetima:
https://youtu.be/qfls_Kl5nZ8
- 2014 Intervju za emisiju Radiotelevizije Tuzlanskog kantona koja je snimana na Univerzitetu u Tuzli povodom predstavljanja projekata koji se realiziraju na Univerzitetu u Tuzli. Predstavljena su iskustva iz učešća u međunarodnoj saradnji i u različitim projektima i CEEPUS projektu koji je uspostavljen sa univerzitetima u okruženju.

Mentori

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Zdravko Kravanja, Redovni profesor, Dekan, Univerza v Maribor, Fakulteta za kemijo in kemijsko tehnologijo, Maribor, Slovenija.

Ignacio Grossmann, Rudolph R. and Florence Dean University Professor, Carnegie Mellon University, Department of Chemical Engineering, Pittsburgh, Pennsylvania (USA).

PRILOZI

Više informacija o mom edukacijskom i istraživačkom radu je dostupno na sljedećoj web stranici:
www.tf.untz.ba/elvis.ahmetovic/

