



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality

Date of birth

Gender

Indira Sestan

Pasaga Mandzic 25, 71000, Tuzla, Bosnia and Herzegovina
(00387) 35 32 07 73

indira.sestan@untz.ba

Bosnian

26.12.1982

Female

Desired employment / Occupational field

Asisstant professor of physical chemistry end electrochemistry

Work experience

Dates

Occupation or position held

Main activities and
responsibilities

Name and address of employer

Type of business or sector

From April 2017 - Vice Dean for Academic and Student Affairs

From 2016 - Assistant professor of Physical chemistry end electrochemistry

The organization classes and teaching

University of Tuzla, Tihomila Markovića 1, 75 000 Tuzla, Bosnia and Herzegovina

Educational and Research

Education and training

Dates

Title of qualification awarded

Principal subjects/occupational
skills covered

Name and type of organisation
providing education and training

Level in national or international
classification

From July 2010 to January 2015

PhD

Speciation analysis of heavy metals in natural water, adsorption of heavy metal ions from water by kaolin and humic acid, heavy metal biosorption..

Faculty of Technology, University of Tuzla

Education and training

Dates

Title of qualification awarded

Principal subjects/occupational
skills covered

Name and type of organisation
providing education and training

Level in national or international
classification

From September 2008 to November 2010

Master of science in Chemistry

Physicochemical Measurements, Ion-Selective potentiometry,

University of Tuzla, Faculty of Science

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment
European level (*)

Language

Social skills and competences

Organisational skills and competences

Technical skills and competences

Computer skills and competences

Driving licence

Additional information

Bosnian

English

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
B2	B2	B1	B1	B2	

Team spirit, good ability to adapt to multicultural environment, etc.

Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)

Replace this text by a description of these competences and indicate where they were acquired. (Remove if not relevant, see instructions)

good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™)

Category B

1. Amra Odobašić, **Indira Šestan**, Amra Bratovčić. Impact of selection of plant materials on absorption of lead and copper from soli. International Conference 16th Ružička days "Today science - tomorrow industry, Book of abstracts, september 21-23, Vukovar, Croatia, 2016.
2. **Indira Šestan**, Amra Odobašić, Amra Bratovčić, Melisa Ahmetović, Abdel Đozić. Correlation analysis of metal distribution in the water/sediment system of Modrac like. International journal of engineering sciences/research technology, DOI: 10.5281/zenodo.1036672, October, 2017.
3. Husejin Keran, Jasmin Suljagić, **Indira Šestan**, Melisa Ahmetović, Amra Odobašić. Bioavailability of lead and cadmium from soli to plant root. Sixth international scientific conference, June 5th - World environment day, Bihać, book of Abstracts, 18-19 june, 2018.
4. Nedim Hodžić, Abdel Đozić, Vahida Selimbašić, Franc Andrejaš, **Indira Šestan**, Hana Alihodžić. Adsorption of cadmium ions from water solutions by modified Ca-bentonite clay. Sixth international scientific conference, June 5th - World environment day, Bihać, Book of Abstracts, 18-19 june, 2018.
5. Adisa Hasanbašić, Emina Tučić, Amra Bratovčić, Amra Odobašić, **Indira Šestan**. Impact of solvent and temperature on solubility and viscosity of expander polystyrene (EPS) - poster presentation, 1st International Students GREEN Conference held at Faculty of Agriculture in Psijek, Croatia, 17-18, May 2018.
6. Amra Bratovčić, Amra Odobašić, **Indira Šestan**, Emina Tučić, Adisa Hasanbašić, Edita Sarić. Determination of physical-chemical properties and stability of orange juice at room temperature. Sixth international scientific conference, June 5th - World environment day, Bihać, Book of Abstracts, 18-19 june, 2018.
7. Amra Bratovčić, Mirnesa Zohorović, Amra Odobašić, Indira Šestan. Efficiency of food waste as an organic fertilizer. International Journal of Engineering Sciences/Research Technology, DOI: 10.5281/zenodo. 1299043, Vol. 7 Iss. 6, 527-530, June 2018.
8. Amra Bratovčić, Amra Odobašić, S. Čatić, **Indira Šestan**. Application of polymer nanocomposite materials in food packaging", , Croat. J. Food Sci. Technol. (2015) 7 (2), doi: 10.17508/CJFST.2015.7.2.06.
9. Amra Odobašić, **Indira Šestan**, Sead Čatić, Amra Bratovčić, Muhamed Bijedić. The kinetics of copper ions adsorption from aqueous solutions on natural and commercial adsorbents. 4th scientific symposium with international participation „Environmental resources, sustainable development and food production“ Novembar, 12-13, 2015, Tehnološki fakultet, Oral presentation.
10. Amra Bratovčić, Amra Odobašić, **Indira Šestan**, Alija Nurkić. Advantages and disadvantages of titanium dioxide photocatalyst. 4th scientific symposium with international participation

- „Environmental resources, sustainable development and food production“ Novembar, 12-13, 2015, Tehnološki fakultet, Oral presentation.
11. Amra Bratovcic, Amra Odobasic, Sead Catic, **Indira Šestan**. „Applications of nanomaterials in food packing“, 8th International scientific Symposium "Food to Health", 16th October 2015. Tuzla, Bosnia and Herzegovina, Poseter presentaiion.
 12. Amra Odobašić, **Indira Šestan**, Sead Čatić, Husejin Keran, Amra Bratovčić, Melisa Ahmetović. Third Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 4-5 June 2015, „Biosorption of lead and copper ions from aqueous solutions using barley straw as adsorbent“.
 13. Amra Bratovčić, Amra Odobašić, **Indira Šestan**, Alija Nurkić. Third Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 4-5 June 2015, „Photocatalytic treatment of industrial waste water using titanium dioxide“, Amra Bratovčić, Amra Odobašić, Indira Šestan, Alija Nurkić. Oral presentation.
 14. **Indira Šestan**, Amra Odobašić, Amra Bratovčić X susret mladih kemijskih inženjera, Faculty of Chemical Engineering and Technology, 20-21 February 2014, „Correlation of physical-chemical parameters of fresh and thermally processed milk and content of calcium.
 15. Aida Crnkić, Almir Šestan, Aldina Kesić, Zorica Hodžić, **Indira Šestan**. Physico-Chemical Properties and Some Heavy Metal Contents in Public Water Sources in Tuzla and its surrounding, Bosnian and Herzegovina. Journal of Scientific Research & Reports 03/2014; 3:1050-1056003.
 16. Amra Odobašić, **Indira Šestan**, Sead Čatić, Husejin Keran, Almir Šestan. Chemical Speciation of Zn in Water of Lake Modrac and Assessment of Toxicity of Water. European Journal of scientific Research. Volume 113, No.4 Oct, 2013.
 17. H.Keran, A.Odobasic, S.Čatić, **I.Šestan**, A.Bratovčić, E.Obralić, E.Omeragić. Essential elements contents determination in milk by applying the voltammetry method. Milk and dairy products, Vol. 24, 2013, pg 51.
 18. Amra Odobašić, Maja Hodžić, **Indira Šestan**, Amra Bratovčić, Zahida Ademović "Potentiometric determination of content of pottasium in different sorts of fresh and thermally processed tomato "Slovenian Chemical Days, 2013. Usmena prezentacija.
 19. Ema Obralić, Sead Čatić, Amra odobašić, **Indira Šestan**. Methods of applying metal coatings on plastics. Hrvatsko društvo kemijskih inženjera i tehnologa, fakultet kemijskog inženjerstva i tehnologije sveučilišta u Zagrebu, 16-17 februara 2012.
 20. H.Keran.A.Odobasic,S.Catic,N.Ahmetovic,M.Salkic, **I.Sestan**. Lead and cadmium concentration in vegetables, the base for the calculation of their index and risk assessment. Journal of Environmental protection and Ecology 12, No 4, 1700-1706 (2011).
 21. A.Odobasic,**I.Sestan**,S.Catic,H.Keran.The influence of thermal treatment on the content of calcium in milk. Slovenski kemijski dnevi 2011. Biohemija, biotehnologija in živilska kemija (2011).
 22. Amra Odobašić, Selma Tuzlak, Sead Čatić, Husejin Keran, **Indira Šestan**. Application Ion-selective potentiometry (ISP) for determination chloride ion in natural and drink water. European Journal of scientific Research. ISSN: 1450-216x/1450-202x,(2011)
 23. Almir Šestan, Aida Crnkić, **Indira Šestan**, Aldina Kesić, Adem Dautbašić. Chemical analysis of water samples public fountains from Tuzla and surrounding area.15TH international research/expert conference "trends in the development of machinery and associated technology" TMT,2011.
 24. Odobašić A., Čatić S., Keran H., Pašalić H., **Šestan I.**., ISP metod za kontrolu sadržaja kalcijuma u mlijeku“. Prehrambena industrija, vol.20 No.1-2,(91-94), UDK 637.12:543.532:546.38).,ISSN-0353-6564.(baza:SCindeks),(2009).
 25. H.Keran, M.Salkić, A. Odobašić, M.Jašić, N. Ahmetović, **I.Šestan**: “The Importance of Determination of some Physical-Chemical Properties of wheat and flour.“. Agriculturae Conspectus Scientificus, vol.74, 2009, No.3 (197-200), ISSN 1331-7768. (Časopis indeksiran u bazama: BIOASIS Previews, ASFA, Biological Abstracts, CAB Abstracts , GEOBASE, SCOPUS).
 26. Petric, I., Šestan, A, **Šestan, I.** (2009): Influence of initial moisture content on the composting of poultry manure with wheat straw. Biosystems Engineering 104 (1), 125-134. (ELSEVIER, ISSN:1537-5110) Indeksacija: Current Contents CC, Science Citation Index SCI, Science Citation Index SCI Expanded.
 27. Petric, I., Šestan, A, **Šestan, I.** (2009): Influence of wheat straw addition on composting of poultry manure. Proces Safety and Environmental Protection 87(3), 206-212. (ELSEVIER, ISSN: 0957-5820) Indeksacija: Current Contents CC, Science Citation Index SCI, Science Citation Index SCI Expanded.
 28. H.Keran, A. Odobašić, A.Bratovčić, **I.Šestan**, E. Omeragić: „ Lead and Cadmium content determination in milk by applying the voltammetry method“. Prehrambena Industrija, Mleko i mlečni proizvodi, Vol.19. 2008 No.1-2. (34-38),UDK 664,YU ISSN 0353-6564.(baza podataka:SCindeks).
 29. Keran H., Odobašić A., Čatić S., Salkić M., Bratovčić A., **Šestan I.**, The influence of different soil conditions to the lead bioavailability to plants, 12th International Research Expert Conference

- „Trends in the Development of Machinery and Associated Technology“ TMT, Istanbul, Turkey, Proceedings, 2008. 249-252. (ISBN 978-9958-617-41-6).
30. I. Petric, A. Šestan, **I. Šestan**: "Effect of reactor size on composting of agricultural waste", Zbornik radova 37. Međunarodnog simpozija iz područja mehanizacije poljoprivrede, Opatija, februar 2008, str. 279.-289.
 31. Ivan Petric, Almir Šestan, **Indira Šestan**: "Influence of initial moisture content on the composting of poultry manure with wheat straw", Biosystems Engineering, Volume 104, Issue 1, September 2009, Pages 125-134.

Annexes

Projects

1. Identification of chemical forms heavy metals in natural water TK, (2007-2008).
2. Research form of heavy metals and their bioavailability in natural water" support by Federal ministry of educational, science and culture, (2009-2010).
3. Development of new photocatalytic materials on the basis of Titanium dioxide", Federal Ministry of Education of Bosnia and Herzegovina, 2015.
4. Research on the possibility of applying agricultural waste for biosorption processes for removing heavy metals from natural and wastewater, support by Federal ministry of educational, science and culture, 2017-2018

Recently published books

1. Amra Odošić, **Indira Šestan** and Amra Bratovčić. The extraction of heavy metals from vegetable samples. Elsevier Book: Ingredients Extraction by Physicochemical Methods in Food, 1st Edition, Editors: Alexandru Grumezescu Alina Maria Holban, Academic Press Inc (Verlag), 978-0-12-811521-3 (ISBN), 2017. <https://www.elsevier.com/books/ingredients-extraction-by-physicochemical-methods-in-food/grumezescu/978-0-12-811201-4>
2. **Indira Šestan**, Amra Bratovčić. Theoretical basics with experiments from pedology and agrochemistry. Senat University of Tuzla, 27.06.2018.
3. Amra Odošić, Sead Čatić, Amra Bratovčić, **Indira Šestan**, Husejin Keran „Experimental physical chemistry with theoretical basics“, ISBN 978-9958-31-176-5, 2014.
4. Amra Odošić, Sead Čatić, Husejin Keran, **Indira Šestan**, Amra Bratovčić „Theoretical Problem and solutions in Physical Chemistry and Electrochemistry“, 2013, , ISBN 978-9958-31-137-8
5. Amra Odošić, Sead Čatić, Amra Bratovčić, **Indira Šestan** „Experimental electrochemistry“, 2009, ISBN: 978-9958-13-023-6,