



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Sead Ćatić**

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Nationality Bosnian

Date of birth 15.09.1961.

Gender MALE

**Desired employment / Occupational field** **Full professor of physical chemistry and electrochemistry**

### Work experience

Dates 2016 - Chief of department of Chemistry

2010 - Assoc. professor of Physical and electrochemistry

2016- Full professor

Occupation or position held University professor/ PhD

Main activities and responsibilities Organisation and leadership of education, science and research work on Faculty.

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

### Education and training

Dates Doctor study from 2001 to 2005.

Title of qualification awarded Doctor of Tehnical sciences – area Chemical engineering

Principal subjects/occupational skills covered Physical chemistry and electrochemistry /research electrochemical deposition of Composite PbO<sub>2</sub> /CoO<sub>x</sub> and their application

Name and type of organisation providing education and training Faculty of Technology, University of Tuzla

Level in national or international classification

### Personal skills and competences

Mother tongue(s) **Bosnian**

Other language(s)

Self-assessment  
*European level* (\*)

**english**

**Language**

Understanding		Speaking		Writing					
Listening		Reading		Spoken interaction		Spoken production			
	B1		B2		A2		A2		B1

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences	- good communication skills gained through my experience as dean of faculty - team spirit
Computer skills and competences	Good command of Microsoft Office™ tools ( Word™, Excel™, Power Point™)
Driving licence	B CATEGORY

## Additional information

1. **Čatić S.**, Đonlagić N., Odobašić A., Natrij-molibdat i kalij-dihromat kao inhibitori korozije čelika u otopini natrij-hlorida, VII Savjetovanje hemičara i tehnologa Republike srpske, Zbornik radova, Banjaluka 2003.
2. **Čatić S.**, Ahmedbašić M., Hemijsko niklovanje keramike iz borohidridnih rastvora. XVI Jugoslovenski kongres studenata čiste i primjenjene hemije sa međunarodnim učešćem, Zbornik radova Novi Sad 1988.
3. Ahmedbašić M., **Čatić S.**, Fajić D., Primjena Ni-P i Ni-B prevlaka u industriji. II Međunarodni naučno-stručni skup, Zbornik radova (200-206), Zenica 1995.
4. Bahtijarević-Omerović Š., Ahmedbašić M., **Čatić S.** Hemijsko niklovanje keramike. Jugoslovensko savjetovanje "Zaštita materijala u industriji i građevinarstvu", Zbornik radova (239-249), Tuzla 1988.
5. **Čatić S.**, Crnkić A., Mehanizam i kinetika elektrolitičkog taloženja olovodioksida, Zbornik radova (107-111), Tehnološki fakultet Tuzla 1999.
6. Bahtijarević-Omerović Š., **Čatić S.**, Redžić Z., Uticaj tartarata na hemijsku depoziciju bakra u alkalnim rastvorima, Zbornik radova (165-171), Tehnološki fakultet Tuzla 2000.
7. Crnkić A., Čatić S., Hodžić Z., Hemijska depozicija nikla u kiselim hipofosfitnim rastvorima, Zbornik radova (173-181), Tehnološki fakultet Tuzla 2000.
8. **Čatić S.**, Pavković J., Elektrohemijska depozicija PbO<sub>2</sub>. Dani elektrohemije, Zagreb 2002.
9. **Čatić S.**, Crnkić A., Pavković J., Mechanism and kinetics passivation of steel, 6th International Research/Expert Conference "Trends in Development of Machinery and Associated Technology" TMT 2002, Neum.
10. Crnkić A., **Čatić S.**, Hodžić Z., Dymethylamine-borane as powerful reducing agent for currentless metal coating, 6th International Research/Expert Conference "Trends in Development of Machinery and Associated Technology" TMT 2002, Neum.
11. Odobašić A., Đonlagić N., **Čatić S.**, Određivanje ukupnog sadržaja teških metala u jezeru Modrac DPASV tehnikom, VII Savjetovanje hemičara i tehnologa Republike srpske, Zbornik radova, Banjaluka 2003.
12. Muhamedbegović B., **Čatić S.**, Uticaj postupaka kaširanja polipropilenskih folija na propustnost kisika, Technologica Acta, Tehnološki fakultet u Tuzli, Tuzla 2004.
13. **Čatić S.**, Đonlagić N., Pašalić H., Čatović F., Pavković J., The influence of electrolyte and substrate on the potential and current of electrochemical deposition of PbO<sub>2</sub>, 10th International Research Expert Conference „Trends in the Development of Machinery and Associated Technology“ TMT, Barcelona-Lloret de Mar Spain, Proceedings, 2006. 393-396. (ISBN 9958-617-30-7).
14. **Čatić S.**, Odobašić A., Pašalić H., Bratovčić A., Pavković J., Anodic depositions of composites electrode PbO<sub>2</sub>/CoOx on supstrat of titanium, 11th International Research Expert Conference „Trends in the Development of Machinery and Associated Technology“ TMT, Hammamet Tunisia, Proceedings, 2007. 1139-1141. (ISBN 978-9958-617-34-8, COBISS BH-ID15903494).
15. **Čatić S.**, Odobašić A., Keran H., „Voltametrijsko određivanje teških metala u tlu“, VII Naučno-stručni simpozij sa međunarodnim učešćem „Metalni i nemetalni materijali“ Zbornik radova Proceedings, Zenica (2008) 593-598. (ISBN 978-9958-785-10-8).
16. Odobašić A., **Čatić S.**, Keran H., Bratovčić A., Determination of labile chemical forms of Cd and Zn in the water of „Modrac“ lake, 12th International Research Expert Conference „Trends in the Development of Machinery and Associated Technology“ TMT, Istanbul, Turkey, Proceedings, 2008. 629-632. (ISBN 978-9958-617-41-6).
17. 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).
18. Bikić F., **Čatić S.**, Investigation of uniform and pitting corrosion of 316L stainless steel with and without inhibitor, XXI Congress of Chemists and Technologists of Macedonia, CCTM Ohrid 2010. (ISBN 978-9989-760-10-5, COBISS.MK.-ID 84556042).
19. Odobašić A., Tuzlak S., **Čatić S.**, Keran H., Šestan I., Application Ion-Selective potentiometry (ISP) for determination chloride ion in natural and drink water, International Conference on Innovative Technologies, IN-TECH Prague 2010. 137-139. (ISBN 978-80-904502-2-6).
20. A. Bratovčić, A. Odobašić, **S. Čatić**, "The Advantages of the Use of Ion – Selective Potentiometry in Relation to UV/VIS Spectroscopy", Agriculturae Conspectus Scientificus, Vol.4, No.3 (139-142) ISSN 1331-7768, 2009.

21. **S. Ćatić**, A. Odobašić, H.Keran:” Test of stainless steel on pitting corrosion” VII Scientific symposium with international participation – Metallic and nonmetallic materials, Zenica, Zenica, Books abstract, (343-347), 2008.
22. A. Odobašić, **S. Ćatić**, H.Keran, H.Pašalić, I.Šestan: “ ISP – method for control calcium in milk “, Food Industry , Vol.20, (91-94), 2009.
23. Fehim Korać, Meliha Lakić, Merzuk Cacan, Ismet Gavrankapetanović, Sead Ćatić, “Razgradnja ortopedskih implantata od nehrđajućeg čelika u simuliranim fiziološkim uslovima”, HealthMED Journal of Society for development in new net environment in B&H, Volume 4/2010. pp 914-920. ISSN 1840-2291.
24. A. Odobašić<sup>1</sup> , S. Tuzlak, **S. Ćatić**, H. Keran, I. Šestan: ”Application Ion – Selective potentiometry (ISP) for determination chloride ion in natural and drink water”, INTECH, septembar, Prag, Czech Republic, 2010.
25. A. Odobašić\* , H. Pašalić, **S. Ćatić**, A.Bratovčić “Speciation of copper in water lake modrac with DPASV”, Journal of Environmental Protection and Ecology – JEPE ISSN vol. 11 No.2,(412 -423), 2010.
26. Amra Odobašić, Selma Tuzlak, **Sead Ćatić**, Husejin Keran, Indira Šestan: “Application Ion selective Potentiometry (ISP) for determination Chloride Ion in Natural and Drink Water”, European Journal of Scientific Research, Vol. 62, No.1, 2011, pp.(70-75).
27. Husejin Keran, Amra Odobašić, **Sead Ćatić**, Nihada Ahmetović, Mirsad Salkić, Indira Šestan:” Lead and Cadmium concentrations in vegetables, the base for the calculation of their index and risk assessment”, Journal of Environmental Protection and Ecology vol.12,No.4,2011, pp.(1700 -1706)
28. Amra Odobašić, Indira Šestan, **Sead Ćatić**, Husejin Keran, ”The influence of thermal treatment on the content of calcium in milk” Slovenian chemical days 2011, Portorož, Slovenia.
29. Ema Obralić, **Sead Ćatić**, Amra Odobašić, Indira Šestan, ” Methods of Applying metal coatings on plastics”, IX meetings young chemical engineer , Zagreb, Croatia , 2012
30. Adem Dautbašić, **Sead Ćatić**, Amra Odobašić, Husejin Keran, ” Corrosion of implantants based on Sstainless steel in saline” IX Scientific symposium with international participation – Metallic and nonmetallic materials, Zenica, 2012.
31. Amra Odobašić, Indira Šestan, **Sead Ćatić**, Husejin Keran, Almir Šestan, ”Chemical Speciation of Zn in Water of the Lake Modrac and Assessment of Toxicity of Water“ European Journal of Scientific Research, Vol. 113 No 4 October, 2013, pp.616-624
32. H.Keran, A. Odobašić, **S. Ćatić**, M. Salkić, E. Imširović, M. Hodžić, „Factors influencing the release and binding of heavy metals in the soil solution“, TMT, Istanbul 2013.
33. Benjamin Muhamedbegović, Ibrahim Plančić, **Sead Ćatić**, “Uticaj tehnike tiska i postupka kaširanja na savojnu otpornost polipropilenskih dupleks folija za pakiranje snack proizvoda”, 8. Naučno-stručni skup sa međunarodnim učešćem “Kvalitet 2013” Neum, 2013. ISSN 1512-9268.
34. Husejin I.Keran, Amra S. Odobašić, **Sead O.Ćatić**, Indira J Šestan, Amra I. Bratovčić, Ema M. Obralić, Emira E. Omeragić, “ Determination of essential elements in milk by voltammetric techniques “, Prehrambena industrija, Mleko i mlečni proizvodi, Vol. 1. pp.51 -53, 2013.
35. **Sead Ćatić**, Adem Dautbašić, Amra Bratovčić, Ema Obralić: „Studying of corrosion behaviour of 316l steel as a metallic biomaterial in the infusion solution“ Tehnologija akta JOURNAL OF SCIENCE PROFESSIONAL FROM CHEMISTRY AND TECHNOLOGY - FACULTY OF TECHNOLOGY TUZLA. ISSN 1840-0426,ISSN 2232-7568, Vol.6 N.1, June, 2013. pp.59-67.
36. Amra Odobašić, **Sead Ćatić**, Amra Bratovčić, Indira Šestan” Speciation of Pb ions in Lake Modrac by differential pulse anodic stripping voltammetry (DPASV), International Journal of Basic and Applied Science IJBAS-IJENS, pp 1-7, Vol 14,No.03, 2014.
37. Amra Odobašić, Indira Šestan, **Sead Ćatić**, Husejin Keran, Amra Bratovčić, Melisa Ahmetović” Biosorption of lead and copper ions from aqueous solutions using barley straw as adsorbent” III Scientific Symposium with international participation –“World Environment Day”,Book of abstracts, Bihać,4-5 june, 2015.
38. Amra Odobašić, Indira Šestan, **Sead Ćatić**, Amra Bratovčić “The kinetics of cooper ions adsorption from aqueous solution on natural and commercial adsorbents” 4th Scientific Symposium with international participation "Environmental resources, sustainable development and food production, november, Tuzla, Bosnia and Herzegovina, 2015.
39. Amra Bratovčić, Amra Odobašić, **Sead Ćatić**, Indira Šestan, Alija Nurkić“ Advantages and disadvantages of titanium dioxide photocatalyst“ , 4th Scientific Symposium with international participation "Environmental resources, sustainable development and food production, november, Tuzla, Bosnia and Herzegovina, 2015.
40. **Ćatić, S.**, Obralić, E., Bratovčić, A., “Rosemary as ecologically acceptable corrosion inhibitor of steel”, Glasnik hemičara i tehnologa Bosne i Hercegovine. ISSN: 0367-4444, Issue 46, 2016. pp 47-50.

## 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. „Istraživanje korozije betona i čelične armature u betonu pod uticajem magnezijevih soli“, Naučno-istraživački projekat koji je odobren i sufinansiran od strane Federalnog Ministarstva za obrazovanje i nauku, (2015).

### Chapters (international)