



Europass Curriculum Vitae



Personal information

First name / Surname **Amra Bratovic**

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Nationality Bosnian

Date of birth 18.01.1982.

Gender Female

Employment / Occupational field **University of Tuzla, Bosnia and Herzegovina**

Work experience **University of Tuzla, Bosnia and Herzegovina**

Dates **01.01.2012.- up to date**

Occupation or position held **Assistant Professor at the Department of Physical Chemistry and Electrochemistry**

Main activities and responsibilities *Assistant Professor*
Teaching subjects on undergraduate degree:
 1. Physical chemistry and rheology of polymer
 2. Photochemical catalysed processes
 3. Electrochemistry
 4. Physical-Chemical characterization
 5. Mechanisms of physical-chemical reactions
 6. Agrochemistry
Teaching subjects on postgraduate (Master) degree:
 1. Photo-oxidation processes
 2. Thermal analysis of materials
Head of the Centre for Quality Assurance and Internal Evaluation of the University of Tuzla
11.06.2014.- up to 20.05.2015.

Name and address of employer University of Tuzla, Faculty of Technology, Univerzitetska 8, 75000 Tuzla

Type of business or sector Public University

Work experience **University of Granada, Spain**

Dates **01.10.2014.-31.10.2014.**

Occupation or position held **Staff Mobility**

Main activities and responsibilities I have done Synthesis, characterization, adsorption isotherms of prepared carbon material by nitrogen and carbon dioxide in order to determine the porosity, as well as, the study of electrochemical Properties.

Work experience **University of Ferrara, Italy**

Dates	01.01.2009.-31.12.2011.				
Occupation or position held	PhD student in Photocatalysis				
Name and address of employer	University of Ferrara, Faculty of Science, Via L. Borsari 46, 41121 Ferrara				
Type of business or sector	Public University				
Work experience	University of Tuzla, Bosnia and Herzegovina				
Dates	02.02.2006.-01.01.2009.				
Occupation or position held	Mr.sc. of Chemistry, Senior teaching assistant				
Main activities and responsibilities	Research and theoretical and laboratory exercise				
Name and address of employer	University of Tuzla, Faculty of Technology, Univerzitetska 8, 75000 Tuzla				
Type of business or sector	University				
Level in national or international classification	PhD Chemical Science				
Personal skills and competences					
Mother tongue	Bosnian				
Other language(s)					
Self-assessment	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Italian	C1	C1	C1	C1	C1
German	B1	B1	B1	B1	B1
French	A1	A1	A1	A1	A1
	(*) Common European Framework of Reference for Languages				
Computer skills and competences	28. 04. 2011. ECDL (European Computer Driving Licence), CHEM OFFICE, Origin 8, Internet.				
Driving licence	B - car				
Recently published papers					
1.	Application of polymer nanocomposite materials in food packaging, Amra Bratovčić , Amra Odošajić, S. Čatić, Indira Šestan, <i>Croat. J. Food Sci. Technol.</i> (2015) 7 (2), doi: 10.17508/CJFST.2015.7.2.06				
2.	Speciation of Pb ions in Lake Modrac by differential pulse anodic stripping voltammetry (DPASV), Amra Odošajić, Sead Čatić, Amra Bratovčić , Indira Šestan, <i>International Journal of Basic & Applied Sciences IJBAS-IJENS</i> Vol:14 No:03, June 2014				
3.	Studying of corrosion behaviour of 316 L steel as a metallic biomaterial in the infusion solution, Sead Čatić, Adem Dautbašić, Amra Bratovčić , Ema Obralić, <i>Technologica acta Journal of science professional from chemistry and technology</i> Vol. 6, Number 1, June 2013, 59-65				
4.	Essential elements content determination in milk by applying the voltammetry method, H. Keran, A. Odošajić, S. Čatić, I. Šestan, A. Bratovčić , E. Obralić, E. Omeragić, <i>Food industry, Milk and dairy products</i> , Vol. 24, 2013, pg 51.				
5.	Photocatalytic properties of sodium decatungstate supported on sol-gel silica in the oxidation of glycerol, Alessandra Molinari, Andrea Maldotti, Amra Bratovčić , <i>Giuliana Magnacca, Catalysis Today</i> , 206 (2013) 46-52.				

6.	Fe(III)-porphyrin heterogenized on MCM-41: Matrix effects on the oxidation of 1,4-pentandiol, Alessandra Molinari, Andrea Maldotti, Amra Bratovcic , Giuliana Magnacca, Catalysis Today, 2011, 161, 64-69.
7.	Environmental Monitoring, ISBN: 978-953-307-724-6, Determination of Fluoride and Chloride Contents in Drinking Water by Ion Selective Electrode, Amra Bratovcic and Amra Odobasic
8.	Matrix effects on the photocatalytic oxidation of alcohols by [nBu ₄ N] ₄ W ₁₀ O ₃₂ incorporated into sol-gel silica, Alessandra Molinari, Amra Bratovcic , Giuliana Magnacca, Andrea Maldotti, Dalton Transactions, 2010, 39, 7826-7833.
9.	The Advantages of the Use of Ion-Selective Potentiometry in Relation to UV/VIS Spectroscopy, Amra Bratovčić , Amra Odobašić, Sead Čatić, Agriculturae Conspectus Scientificus, Vol. 74 (2009) No. 3 (139-142).
10.	Determination of cadmium and lead in milk using voltammetric techniques, Keran Husejin, Odobasic Amra, Bratovcic Amra , Sestan Indira, Omeragic Emra, Prehrambena industrija – mleko i mlečni proizvodi, Vol. 19. 1-2, pg. 34-47, 2008.
11.	Determination of labile chemical forms of Cd and Zn in the water of „Modrac“ lake, Amra Odobasic, Sead Catic, Husejin Keran, Amra Bratovcic , 12th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology“ TMT Proceedings (2008) pg. 629-632, Istanbul, Turkey.
12.	„The Influence of Different Soil Conditions to the Lead Bioavailability to Plants“, Husejin Keran, Amra Odobasic, Sead Catic, Mirsad Salkic, Amra Bratovcic , Indira Sestan, 12th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology“ TMT Proceedings (2008) pg. 249-252, Istanbul, Turkey.
13.	Speciation of Copper in water lake Modrac with DPASV, Amra Odobasic, Hatidža Pašalić, Sead Čatić, Amra Bratovčić , Quality of Life and Environment in the Frame of EU Sustainability, Belgrade, Serbia, Balkan Environmental Association, B.EN.A. 15-17 November 2007.
14.	Determination of lead and copper in salt lake „Panonnica“ by differential pulse anodic stripping voltammetry, Nusreta Djonlagic, Amra Odobasic, Amra Bratovcic , 11th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology“ TMT 2007, Hammamet, Tunisia, pg. 1355.
15.	Anodic Depositions of Composites Electrode PbO ₂ /CoO _x on Substrat of Titanium, Sead Catic, Amra Odobasic, Hatidza Pasalic, Amra Bratovcic , Josip Pavkovic, 11th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology“ TMT 2007, Hammamet, Tunisia, pg. 1139.
16.	Influence of agriculture on water quality – significance of monitoring of heavy metals, N. Djonlagic, A. Odobasic, A. Bratovcic , 2nd International and 19th Croatian Congress of Technologists for Post-Harvest Technology 22-23.11.2006., Tuheljske Toplice, Croatia.
BOOK OF ABSTRACTS	
1	Applications of nanomaterials in food packing, Amra Bratovcic, Amra Odobasic, Sead Catic, Indira Sestan, 8th International scientific Symposium "Food to Health", 16th October 2015. Tuzla, Bosnia and Herzegovina , poster presentation
2	Biosorption of lead and copper ions from aqueous solutions using barley straw as adsorbent, Amra Odobašić, Indira Šestan, Sead Čatić, Husejin Keran, Amra Bratovčić , Melisa Ahmetović, <i>Third Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 4-5 June 2015</i> , poster presentation
3	Preparation of carbon aerogels and their electrochemical properties, Amra Bratovčić , Amra Odobašić, Edina Ibrišimović, <i>Third Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 4-5 June 2015</i>
4	Photocatalytic treatment of industrial waste water using titanium dioxide, Amra Bratovčić , Amra Odobašić, Indira Šestan, Alija Nurkić, <i>Third Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 4-5 June 2015</i> , , oral presentation
5	Heterogeneous photocatalysis using TiO ₂ for photocatalytic wastewater treatment, Amra Bratovcic , Amra Odobasic, Alija Nurkic, <i>XV. Ružička days, Today science - Tomorrow Industry, Vukovar 2014.</i> , poster presentation

6	Amra Bratovcic , Andrea Maldotti, Alessandra Molinari, <i>New Photocatalytic Materials for Selective Oxidation Processes</i> , International scientific conference 10th conference of chemists, technologists and environmentalists of Republic of Srpska, Banja Luka, Bosnia and Herzegovina, November 15 and 16, 2013, ISBN 978-99938-54-48-7, pg 52
7	A. Bratovcic , A. Maldotti, A. Molinari, <i>Heterogeneous photocatalysts on the basis of Na4W10O32 for oxidation of glycerol</i> , 3rd International Symposium of Environmental potential, Sustainable development and Food production, Tuzla, Bosnia and Herzegovina, November 14 and 15, 2013, pg 36
8	Amra Bratovcic , Andrea Maldotti, Alessandra Molinari, <i>Photocatalytic materials based on polyoxotungstates for selective oxidation of alcohols</i> , Zbornik povzetkov Slovenski kemijski dnevi 2013, 10-12 September, Maribor, Slovenia, ISBN 978-961-248-404-0, pg 23
9	Amra Odošaić, Maja Hodžić, Indira Šestan, Amra Bratovčić , <i>Potentiometric determination content of potassium in different sort fresh and thermally processed tomato</i> , Zbornik povzetkov Slovenski kemijski dnevi 2013, 10-12 September, Maribor, Slovenia, ISBN 978-961-248-404-0, pg 104
10	Amra Bratovcic , Alessandra Molinari, Giuliana Magnacca, Andrea Maldotti, „[nBu4N]4W10O32 Inside Sol-gel Silica: Matrix Effects On The Photocatalytic Oxidation Of Alcohols“, XXIII IUPAC SYMPOSIUM ON PHOTOCHEMISTRY July, 11-16, 2010, Ferrara, Italy, pg 160
ORAL PRESENTATIONS	
1.	The kinetics of copper ions adsorption from aqueous solutions on natural and commercial adsorbents, Amra Odošaić, Indira Šestan, Sead Čatić, Amra Bratovčić , Muhamed Bijedić. IV SYMPOSIUM „Environmental resources, sustainable development and food production“ - OPORPH 2015, 12-13 November 2015
2.	„Advantages and disadvantages of titanium dioxide photocatalyst“, Amra Bratovcic , Amra Odošaić, Sead Čatic, Indira Šestan, Alija Nurkic, IV SYMPOSIUM „Environmental resources, sustainable development and food production“ - OPORPH 2015, 12-13 November 2015
3.	<i>Heterogeneous photocatalysts on the basis of Na4W10O32 for oxidation of glycerol</i> , A. Bratovcic , A. Maldotti, A. Molinari, November 14 and 15, 2013, Tuzla, Bosnia and Herzegovina, 3rd International Symposium of Environmental potential, Sustainable development and Food production
4.	Photocatalytic materials based on polyoxotungstates for selective oxidation of alcohols, Amra Bratovcic , Andrea Maldotti, Alessandra Molinari, 10-12 September, 2013, Maribor, Slovenia
5.	Design of Heterogeneous photocatalysts for selective oxidation of Alcohols, Amra Bratovcic , Doctoral Thesis, March 23, 2012, University of Ferrara, Ferrara, Italy
6.	Design of Photocatalytic materials based on the use of [nBu4N]4W10O32, Amra Bratovcic , Parma 26 Novembre 2010, Premio dottorandi della Società Chimica Italiana Sezione Emilia Romagna
POSTER PRESENTATIONS	
1	„Applications of nanomaterials in food packing“, Amra Bratovcic, Amra Odošaić, Sead Čatic, Indira Šestan, 8 th International scientific Symposium "Food to Health", 16 th October 2015. Tuzla, Bosnia and Herzegovina
2	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“, Amra Odošaić, Indira Šestan, Sead Čatić, Husejin Keran, Amra Bratovčić, Melisa Ahmetović
3	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 Odošaić, Indira Šestan, Alija Nurkić
4	Third Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 4-5 June 2015, „Preparation of carbon aerogels and their electrochemical properties“, Amra Bratovčić, Amra Odošaić, Edina Ibršimović
5	XV. Ružička days, Today science - Tomorrow Industry, Vukovar 2014. „Heterogeneous photocatalysis using TiO ₂ for photocatalytic wastewater treatment“, Amra Bratovcic, Amra Odošaić, Alija Nurkic
6	Correlation of physical-chemical parameters of fresh and thermally processed milk and content of calcium, Indira Šestan, Amra Odošaić, Amra Bratovčić, X susret mladih kemijskih inženjera, Faculty of Chemical Engineering and Technology, Zagreb, 20-21 February 2014
7	XI Giornata della Chimica dell'Emilia-Romagna, October 28, 2011, University of Modena, Modena, Italy

8	FINELUMEN International Summer School „Advanced Physical Methods for Organic, Inorganic and Hybrid Materials“. May 23-27, 2011, Lochow, Poland
9	6th European Meeting on Solar Chemistry & Photocatalysis: Environmental Applications, 13th to 16th June 2010 Prague, Czech Republic „Fe(III)-Porphyrin Heterogenized On MCM-41: A New Photocatalyst For The Selective Oxidation Of 1,4-Pentanediol, Amra Bratovcic
10	6th European Meeting on Solar Chemistry & Photocatalysis: Environmental Applications, 13th to 16th June 2010 Prague, Czech Republic „[nBu4N]4W10O32 Incorporated Into Sol-gel Silica: Matrix Effects On The Photocatalytic Oxidation Of Alcohols“, Amra Bratovcic
11	XXIII IUPAC SYMPOSIUM ON PHOTOCHEMISTRY July, 11-16, 2010, Ferrara, Italy „[nBu4N]4W10O32 inside sol-gel silica: matrix effects on the photocatalytic oxidation of alcohols“, Amra Bratovcic, Alessandra Molinari, Giuliana Magnacca, Andrea Maldotti
12	IX Giornata della Chimica dell'Emilia-Romagna, Dicembre 4, 2009, University of Bologna, Bologna, Italy
Recently published books	<ol style="list-style-type: none"> 1. „Eksperimentalna fizikalna hemija sa teoretskim osnovama“, eng. „Experimental physical chemistry with theoretical basics“ Amra Odobašić, Sead Čatić, Amra Bratovčić, Indira Šestan, Husejin Keran, ISBN 978-9958-31-176-5, 2014. 2. "Zbirka zadataka iz fizikalne hemije i elektrohemije", eng. „Theoretical Problems and solutions in Physical Chemistry and Electrochemistry“, 2013, Authors: Amra Odobašić, Sead Čatić, Husejin Keran, Indira Šestan, Amra Bratovčić, ISBN 978-9958-31-137-8 3. „Eksperimentalna elektrohemija“, – „Experimental electrochemistry“, 2009, ISBN: 978-9958-13-023-6, Amra Odobašić, Sead Čatić, Amra Bratovčić, Indira Šestan
Book Chapter	Determination of Fluoride and Chloride Contents in Drinking Water by Ion Selective Electrode, Amra Bratovcic and Amra Odobasic, book edited by Ema O. Ekundayo, ISBN 978-953-307-724-6, Published: November 4, 2011 under CC BY 3.0 license
Projects	<ol style="list-style-type: none"> 1. "Development of new photocatalytic materials on the basis of Titanium dioxide, Federal Ministry of Education of Bosnia and Herzegovina, 2015, 1050 Euro. 2. Youth Scientific and Research Camp, financed by Embassy USA, 45000 USD, 2015. 3. "Effetti matrice in fotocatalisi eterogenea", ATENEO FAR 2011, Univerzitet Ferrara 4. "Ossidazioni fotocatalitiche con sistemi inorganici organizzati", ATENEO FAR 2010, Univerzitet Ferrara 5. "Identification of the state and chemical forms of heavy metals in natural waters TK", Ministry of Education, Science Culture and Sport of TK 6. "Determination of the quality and classification of agricultural land parcels in the area of Sprecko field in terms of pollution with heavy metals", Ministry of Education, Science Culture and Sport TK 7. "Testing bioavailability of heavy metals Pb, Cu, Zn, Cd and Fe in the area of Tuzla Canton", Ministry of Education, Science Culture and Sport TK 8. The European Union's IPA Programme for Bosnia and Herzegovina Strengthening Institutional Capacity for Quality Assurance BA11-IB-OT-02, 2015. 9. TEMPUS PROJECT BIHTEK, 530696-TEMPUS-1-2012-BE-TEMPUS-SMGR, 2015.

Activities on Project	<p>1. The European Union's IPA Programme for Bosnia and Herzegovina Strengthening Institutional Capacity for Quality Assurance BA11-IB-OT-02 Component 3: Implementation of quality management systems in higher education institutions <u>Activity 3.1:</u> Thematic workshops about quality management in higher education institutions, Workshop, 12th March 2015, Banja Luka</p> <p>2. The European Union's IPA Programme for Bosnia and Herzegovina Strengthening Institutional Capacity for Quality Assurance BA11-IB-OT-02 Component 3: Implementation of quality management systems in higher education institutions <u>Activity 3.2:</u> Thematic workshops about quality management in higher education institutions in EU – study visit, 15 – 20 March 2015, Wien, Austria</p> <p>3. The European Union's IPA Programme for Bosnia and Herzegovina Strengthening Institutional Capacity for Quality Assurance BA11-IB-OT-02 Component 3: Implementation of quality management systems in higher education institutions <u>Activity 3.1:</u> Thematic workshops about quality management in higher education institutions <u>Fourth mission:</u> Pre-Draft version criteria for institutional accreditation – discussion and feedback Banja Luka, 28th April 2015</p>
	<p>TEMPUS PROJECT – „Benchmarking as a Tool for improvement of Higher Education Performance-530696-TEMPUS-1-2012-BE-TEMPUS-SMGR“ Bihac, Bosnia and Herzegovina BIHTEK, 21 - 23 April 2015 Ghent, Belgium, BIHTEK Study Visit, 29-30 June 2015.</p>
<p>Workshop on <u>HORIZON 2020</u></p>	<p>Info seminar and Workshop on <i>HORIZON 2020 - Capacity building of BiH in European research and technology development, programmes and initiatives</i>, held in Sarajevo organised by Ministry of Civil Affairs of Bosnia and Herzegovina, 6th and 7th May 2014, University of Sarajevo</p> <p>Workshop on "<i>Preparation of Project Proposals</i>" held in Tuzla organised by Ministry of Civil Affairs of Bosnia and Herzegovina, 20th June 2013, University of Tuzla</p> <p>Workshop on "<i>Preparation of Project Proposals</i>" held in Sarajevo organised by Ministry of Civil Affairs of Bosnia and Herzegovina with financial support of the Austrian Development Agency, March 29th 2013 at the premises of the Parliamentary Assembly of BiH</p>
<p>European Commission</p>	<p>Workshop „Technical assistance on HORIZON 2020“, Sarajevo, Bosnia and Herzegovina, 18 November 2014 organized by European Commission.</p> <p>Workshop „Dialogues: Public Engagement about science, technology and innovation“, Joint Research Centre European Commission, Mostar, Bosnia and Herzegovina, 06-07-July 2015.</p>
<p>Seminar</p>	<p>Seminar under title „<i>Sustainable Technologies in The Chemical Industry</i>“ from April 7th to May 5th, 2012, organised by the University of Tuzla, Faculty of Technology and Tempus 158989-Tempus -1-20009-1-BE-Tempus-JPHES „Creation of university-enterprise cooperation for education on sustainable technologies“</p> <p>20-21 April, 2011, Sarajevo Bosnia and Herzegovina – Seminar on “First steps towards EU grants for Bosnia and Herzegovina – million euros for good ideas and projects”</p>
<p>Summer School</p>	<p>20-31 July 2009, Crete, Greece – Summer School, “From Chemistry to Biology & Medicine via Metals”</p>
<p>Scholarship</p>	
	<p>2015, Scholarship for Staff mobility - 1 month, Erasmus Mundus S.UN.B.E.A.M. Structured University mobility between the Balkans and Europe for the Adriatic-ionian Macroregion Erasmus Mundus Action 2 – Strand 1, „Università Politecnica delle Marche“, Ancona, in Italy. 11.05.2016. - 08.06.2016.</p>
	<p>2014, Scholarship for Staff mobility Erasmus Mundus Action 2 Penta JoinEU-SEE, University of Granada, Spain</p>
	<p>2009, 2010, 2011 Fully funded Doctoral degree – PhD Scholarship, Italian Ministry of Education</p>
	<p>2007, Ministry of Science and Education Tuzla Canton, Bosnia and Herzegovina, Financial Aid for the Master Degree</p>
	<p>2003, University of Tuzla,</p>

Awards	26 November 2010, Parma, Italy – Doctoral Award from Italian Chemistry Society, Section Emilia Romagna for 2010 Academic Year 2003 - Silver Plaque from the University of Tuzla
Certificate for foreign languages	
	08.07.2013 DELF A1 Diplôme d'études en langue française A1
	07.05. 2010. C1 Italian language University of Ferrara
	Decembar 2009 – First Certificate in English (FCE)The Cambridge English language test
	02.08.2008 English as a Foreign Language accredited by the British Council at Embassy CES London Southbank
IT skills	
1.	28.04.2011. ECDL – European Computer Driving Licence Basic IT Using the Computer and managing files/ Windows XP Word 2003, Excel 2003, Access 2003, Power Point 2003, Internet Explorer 6/Outlook
2.	Macromedia Web designer, Tuzla 22.04.2008.
Referees	
1.	Prof. dr. Amra Odobasic, University of Tuzla, Bosnia and Herzegovina, e-mail: amra.odobasic@untz.ba
2.	Prof. dr. Andrea Maldotti , University of Ferrara, Italy, e-mail: mla@unife.it
3.	Prof. dr. Alessandra Molinari, University of Ferrara, Italy, e-mail: mna@unife.it
4.	Prof. dr. Agustin F. Perez Cadenas, University of Granada, Spain e-mail: afperez@ugr.es