Europass Curriculum Vitae	
Personal information	
First name / Surname	**Amra Bratovcic**
Address	Bosne Srebrene BB, Lam 1, 75000, Tuzla, Bosnia and Herzegovina
Telephone	+387 35 320751 Mobile: +387 61 42 45 87
E-mail	amra.bratovcic@untz.ba ; amra.bratovcic@gmail.com
Nationality	Bosnian
Date of birth	18.01.1982.
Gender	Female
Employment / Occupational field	**University of Tuzla, Faculty of Technology, Department of Physical Chemistry and Electrochemistry/Full Professor**
Work experience	University of Tuzla, Bosnia and Herzegovina
Dates	**07.02.2024. – Full Professor permanent position**
Occupation or position held	Full Professor at the Department of Physical Chemistry and Electrochemistry
Dates	07.02.2018. – 07.02.2024.
Occupation or position held	Associate Professor at the Department of Physical Chemistry and Electrochemistry
Dates	01.01.2012. - to 07.02.2018.
Occupation or position held	Assistant Professor at the Department of Physical Chemistry and Electrochemistry

Main activities and responsibilities	***Teaching subjects on undergraduate degree:*** 1. Physical chemistry and rheology of polymers 2. Physical Chemistry 3. Photocatalytic processes 4. Electrochemistry 5. Elecrochemical engineering 6. Physical-Chemical characterization 7. Agrochemistry ***Teaching subjects on postgraduate (Master) degree:*** 1. Photo-oxidation processes 2. Thermal analysis of materials 3. Adhesion and modification of surfaces ***Teaching subjects on doctoral degree (3rd cycle):*** 1. *Surfactants* **Leader for the third cycle studies** at the Faculty of Science and Technology, University of Tuzla starting from December 6th, 2023. **Leader for the second cycle studies** - at the Faculty of Technology, University of Tuzla starting from December 15, 2020.- 07.10.2022. **Head of the Centre for Quality Assurance and Internal Evaluation of the University of Tuzla** 11.06.2014.- up to 20.05.2015. Expert – representative of Academic community in Bosnia and Herzegovina at the Agency for Development of Higher Education and Quality assurance Number 170 at the link http://www.hea.gov.ba/Kvalitet/lista_eksperata/?id=1160 **Member of Senate of the University of Tuzla** 09.03.2017.-09-03.2021.
Name and address of employer	University of Tuzla, Tihomila Markovica 1, 75000 Tuzla
Type of business or sector	Public University
Web page	www.untz.ba
Work experience	**Faculty of Chemical Technology, Department of Physical Chemistry, Pardubice, Czech Republic**
Dates	**01.10.2020.-07.12.2021.**
Work experience	**POLYMAT, Institute for Polymer Materials, Donostia-San Sebastian, Spain**
Dates	15.02.-15.03.2019.
Occupation or position held	STSM Short Time Scientific Mission in frame of CA 15107 EU project
Work experience	**University of Granada, Spain, Coimbra group Scholarship**
Dates	01.09.2016.-29.11.2016.
Occupation or position held	Postdoctoral research
Work experience	**University of Politecnica delle Marche (Università Politecnica delle Marche)**
Dates	11.05.2016. – 08.06.2016.
Occupation or position held	Staff Mobility
	SUNBEAM UID SUNB1400894 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.
Work experience	**University of Granada, Spain**
Dates	01.10.2014.-31.10.2014.
Occupation or position held	Staff Mobility
Work experience	**University of Ferrara, Italy**
Dates	01.01.2009.-31.12.2011.

Occupation or position held	**PhD student in Photocatalysis**
Work experience	Synthesis of new materials based on decatungstate ion $(W_{10}O_{32})^{4-}$ with contra ions: an inorganic and an organic, and then heterogenization in silica matrix via sol-gel process. Those heterogeneous photocatalytic materials were studied in photocatalytic oxidation of aliphatic alcohols with different position of OH- group as well as with different number of OH groups (1,2,3), and under mild conditions at room temperature and atmospheric pressure. I have done also characterization of those materials.
Name and address of employer	University of Ferrara, Faculty of Science, Via L. Borsari 46, 41121 Ferrara
Type of business or sector	Public University
Doctoral thesis defence	**23.03.2012.**
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
Work experience	**Scientific Committee**
Dates	**21-22 March, 2019**
	8th International Conference Water for all, Osijek, Croatia
Dates	16-18 October 2018 Perm, Rusia
	International Conference «Agrotechnologies of the XXI century» on 16-18 October 2018 Perm, Rusia, State Agro-technological University http://www.ues.rs.ba/wp-content/uploads/2018/04/Agrotechnologies-XXI-Perm-Russia.pdf
Dates	**17-18 May, 2018**
	1st International Students' Green Conference, Osijek, Croatia
Dates	**2017**
	Fifth Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina
Dates	**2017 - Scientific Organizing Committee**
	Fifth SYMPOSIUM „Environmental resources, sustainable development and food production" - OPORPH 2017, 16-17 November 2017
Board Member	International Association of Environmental Scientists and Professionals (IAESP), Osijek, Croatia. https://iaesp.org/about-iaesp/
Editorial board	International Journal of Advances in Agricultural Science and Technology http://www.ijaast.com/board.html
Organizational board	1st European Green Conference – EGC 2023, 23-26. May, 2023, Vodice, Croatia Water for all 2022, Osijek, Croatia 2nd International Student's Green Conference, Osijek, Croatia, 2022 1st International Student's Green Conference, Osijek, Croatia, 2018
Scientific board	2nd Conference on Green Engineering, Sustainable Materials, and Technologies for Circular Economy (GREEN CIRC '25), Skopje, North Macedonia, April 22-25, 2025. https://congress.sctm.mk/event/6/page/34-scientific-committee 5th International Symposium on Materials, Electrochemistry and Environment, Lebanon, 21-22-09.2023. 1st European Green Conference – EGC 2023, 23-26. May, 2023, Vodice, Croatia Water for all 2022, Osijek, Croatia 8th International Conference "New Technologies, Development and Application NT-2022", Sarajevo, BiH 2nd International Student's Green Conference, Osijek, Croatia, 2022 1st International Student's Green Conference, Osijek, Croatia, 2018

Associate member	The International Society for Development and Sustainability (ISDS), Japan The ISDS is a platform for promoting sustainability research and practice across a wide range of academic disciplines. Started on: 13th November 2022.
COST EU COOPERATION IN SCIENCE AND TECHNOLOGY	**MC Member CA 22134**; Sustainable Network for agrofood loss and waste prevention, management, quantification and valorisation (FoodWaStop) https://www.cost.eu/actions/CA22134/#tabs+Name:Management%20Committee WG4 and WG6 Member CA 22134 form 02.03.2024. Start: 21.09.2023.-20.09.2027. **CA22146** "Harnessing the potential of underutilized crops to promote sustainable food production" (DIVERSICROP) https://www.cost.eu/actions/CA22146/ WG3 and WG5 Member CA22146 from 08.03.2024. Start: 17.10.2023. – 16.10.2027. **MC member CA22144 "**Sustainable use of salt-affected lands" (SUSTAIN); https://www.cost.eu/actions/CA22144/#tabs+Name:Management%20Committee WG1; WG6; Start: 23.10.2023. – 02.10.2027. **MC member CA23123** "Non-chemical weed management in medicinal and aromatic plants (MAPs) (weedingMAPs)" Start:27.09.2024. – 26.09.2028. **Science Communication Coordinator Leader CA23123** https://www.cost.eu/actions/CA23123/#tabs+Name:Management%20Committee **CA23131, ISO compatible, efficient and reproducible protocols/equipment for mICro-nanoPLASTIC detection through machine-learning (ICPLASTIC)** https://www.cost.eu/actions/CA23131/#tabs+Name:Management%20Committee **Finished projects:** Management Committee Substitute CA COST Action CA 15107; Multi-Functional Nano-Carbon Composite Materials Network (MultiComp) http://www.cost.eu/COST_Actions/ca/CA15107 MC Member CA COST 15114 Anti-Microbial coating Innovations to prevent infectious diseases (AMICI) http://www.cost.eu/COST_Actions/ca/CA15114 MC Member CA COST 15106 C-H Activation in Organic Synthesis (CHAOS) http://www.cost.eu/COST_Actions/ca/CA15106 MC Member CA COST 16227 Investigation and Mathematical Analysis of Avant-garde Disease Control via Mosquito Nano-Tech-Repellents http://www.cost.eu/COST_Actions/ca/CA16227?management MC Member CA 18125 Advanced Engineering and Research of aeroGels for Environment and Life Sciences https://www.cost.eu/actions/CA18125/#tabs|Name:management-committee MC Committee Substitute CA COST Action CA18132; Functional Glyconanomaterials for the Development of Diagnostics and Targeted Therapeutic Probes https://www.cost.eu/actions/CA18132/#tabs|Name:management-committee

Personal skills and competences

Mother tongue	**Bosnian**										
Other language(s)											
Self-assessment	**Understanding**				**Speaking**				**Writing**		
European level (*)	Listening		Reading		Spoken interaction		Spoken production				
English	C1		C1		C1		C1		C1		
Italian	C1		C1		C1		C1		C1		
German	B2		B2		B2		B2		B2		

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	Copperstone, C., Jones, P., Aydin, B., Zivkovic, J., Aytar, E. C., Kalkan Yildirim, H., Ćujić Nikolic, N., Künili, İ. E., Yilmaz, E., Tirpanci Sivri, G., Seylam Küsümler, A., Özalp Ünal, D., **Bratovcic, A**., Özmen, Ö., Gunduz, S., Šavikin, K., Sirbu, A., Rimac Brnčić, Š., Bantis, F., Ivanova, T., Chervenkov, M., Orahovac, A., Balázs, B., Dilgen, M. N., Negrao, S., & Knez, M. (2025). *Beyond hummus – An up-to-date scientific review of chickpeas, health, and environmental impact.* Frontiers in Sustainable Food Systems, 9. https://doi.org/10.3389/fsufs.2025.1672634								
2	**Bratovcic, A**. (2025) Eco-Friendly Weed Management: Nanoformulated Bioherbicides for Improved Crop Productivity. Advances in Nanoparticles, 14 (4): 101-120. doi: 10.4236/anp.2025.144007								
3	**Bratovcic, A**. (2025) Biochar Application for Reducing Soil Salinity and Promoting Plant Growth under Climate Change. *Journal of Agricultural Chemistry and Environment*, **14**, 429-450. doi: 10.4236/jacen.2025.144029.								
4	Heydari Majd, M., Monjazeb Marvdashti, L., **Bratovcic, A.,** Abdolshahi, A., Yazdani-Dehnavi, M., & Ebrahimi Tirtashi, F. (2025). Enhancing shelf-life and quality of ready-to-eat pomegranate arils with nanocomposite film: A PLA/ZnO nanoparticle/Zataria multiflora essential oil innovation. *Journal of Chemical Health Risks, 15*(2), 433–445. https://doi.org/10.60829/jchr.2024.1823								
5	**Bratovcic, A**. (2025) From Automation to Human-Centric Innovation: Embracing Industry 5.0 in Chemical Manufacturing, INDUSTRY OF THE FUTURE: FROM INDUSTRY 4.0 TO INDUSTRY 5.0 – Integration of Humans and Technology, 24, 117-136. 117. DOI: 10.5644/PI2025.220.06								
6	Muslah, S., Zainulabdeen, K., Mohamed, S., Yousif, E., Hairunisa, N., **Bratovcic, A.**, & Redwan, A. (2025). *Schiff-base thiadiazole-modified hydrogels: A comprehensive review of biomedical applications.* Al-Nahrain Journal for Engineering Sciences (NJES), 28(3), 323-329. https://doi.org/10.29194/NJES.28030323								
7	Al-Dahhan, W. H., Dawood, R., Hashim, H. N., Kadhom, M., Yousif, E., Yusop, R., **Bratovcic, A**., & Mohammed, S. (2025). *Determination of heavy metals in selected types of local and imported tea from Iraqi markets. Al-Kitab Journal of Pure Sciences, 9*(2), 191–205. https://doi.org/10.32441/kjps.09.02.p13								
8	**Bratovcic, A.** (2025). Latest Achievements on the Application of AI in STEM Education. In: Karabegović, I., Kovačević, A., Mandžuka, S. (eds) New Technologies, Development and Application VIII. NT 2025. Lecture Notes in Networks and Systems, vol 1484. Springer, Cham. https://doi.org/10.1007/978-3-031-95200-5_33								
9	**Bratovcic, A.** (2025). Biomedical Application of Nanocomposites in Wearable and Implantable Nano/Biosensor Devices. In: Karabegović, I., Kovačević, A., Mandžuka, S. (eds) New Technologies, Development and Application VIII. NT 2025. Lecture Notes in Networks and Systems, vol 1484. Springer, Cham. https://doi.org/10.1007/978-3-031-95200-5_24								
10	**Bratovčić, A.**, & Tomašić, V. (2025). Hydrogen Production Through Newly Developed Photocatalytic Nanostructures and Composite Materials. *Processes*, *13*(6), 1813. https://doi.org/10.3390/pr13061813								
11	**Bratovcic, A.** (2025) Exploring Food Waste Potential for Bioethanol Production in Sustainable Energy and Emission Reduction. *Journal of Sustainable Bioenergy Systems*, **15**, 68-91. doi: 10.4236/jsbs.2025.152004.								
12	**Bratovcic, A.** (2025). Exploring non-chemical methods for sustainable weed management. *International Journal of Agriculture and Environmental Research, 11*(01), 129-153. https://doi.org/10.51193/IJAER.2025.11109								
13	Patel, V., Arumugam, S., Awasthi, S., & **Bratovcic, A.** (2025). Chapter 11 - Risk and benefits of consuming edible seaweeds: Main toxigenic compounds of macroalgae and their impact on human health. In P. O. Fuertes & D. K. Verma (Eds.), *Marine molecules from algae and cyanobacteria* (pp. 185-208). Elsevier. https://doi.org/10.1016/B978-0-443-21674-9.00013-1								

14	**Bratovčić, A**., & Tomašić, V. (2024). Photocatalytic Composites Based on Biochar for Antibiotic and Dye Removal in Water Treatment. *Processes*, *12*(12), 2746. https://doi.org/10.3390/pr12122746
15	**Bratovcic, A.** (2024) Different Approaches to Reduce Salinity in Salt-Affected Soils and Enhancing Salt Stress Tolerance in Plants. *Agricultural Sciences*, **15**, 830-847. doi: 10.4236/as.2024.158046.
16	**Bratovcic, A.** (2024) Synthesis of Silver and Gold Nanoparticles and their Application in Pharmacy, XI Symposium pharmacists Tuzla Canton- Collection of works from Symposium pharmacists Tuzla Canton, 20.04.2024. in Press:
17	**Bratovcic, A.** (2024) Implementation of Artificial Intelligence, Smart Sensors, Robots and Digital Transformation in Food and Agricultural Production, In Press:
18	**Bratovcic, A.** (2024) Different Approaches to Reduce Salinity in Salt-Affected Soils and Enhancing Salt Stress Tolerance in Plants, Agricultural Sciences, 15(8): 830-847; DOI: 10.4236/as.2024.158046
19	**Bratovcic, A.** (2024) Antibacterial Properties of Nanoemulsions Based on Almond or Lavender Essential Oils, Acta Scientific NUTRITIONAL HEALTH, *8*(8): 08-15. DOI: 10.31080/ASNH.2024.08.1406
20	**Bratovcic, A.** (2024) Photocatalytic Degradation of Plastic Waste: Recent Progress and Future Perspectives, *Advances in Nanoparticles*, *13*(3): 61-78. doi: 10.4236/anp.2024.133005
21	Nazdrajic, S., **Bratovcic, A.**, Alibegic, D., Micijevic, A., & Mehovic, M. (2024) The Effect of Mixed Surfactants on Viscosity, pH and Stability of Synthesized Liquid Soaps. *International Journal of Materials and Chemistry*, 14(3): 31-36. DOI: 10.5923/j.ijmc.20241403.
22	**Bratovcic, A.**, & Dautovic, A. (2024). Green Synthesis of Silver Nanoparticles Using Aqueous Orange and Lemon Peel Extract and Evaluation of Their Antimicrobial Properties. *Advances in Nanoparticles*, *13*(2), 11-28.
23	**Bratovcic, A.**, Karabegovic, I. (2024). Development of New Sensors for Use in Smart Clothing. In: Karabegovic, I., Kovačević, A., Mandzuka, S. (eds) New Technologies, Development and Application VII. NT 2024. Lecture Notes in Networks and Systems, vol 1070. Springer, Cham. https://doi.org/10.1007/978-3-031-66271-3_52
24	**Bratovcic, A**., Dautovic, A., Saric, E. (2024) The Influence of the Sensitivity of the ICP-MS and AAS Method for the Determination of Cadmium, Lead and Arsenic in Lettuce (Lactuca sativa L.) on the Results of the Analysis, Acta Scientific NUTRITIONAL HEALTH, 8(2): 32-36. https://actascientific.com/ASNH/pdf/ASNH-08-1345.pdf
25	**Amra Bratovcic**, Wafaa M. Hikal, Mohammad Mehdizadeh, Hussein A.H.S. Al Ahl, Anahita Omidi, Charles O. Adetunji, Osemwegie O. Omorefosa, Anurag Bera, Application of Nanotechnology in Agroecosystems: Nanoparticles for Improving Agricultural Production, Reviews in Agricultural Science, 2023, Volume 11, Pages 291-309, Released on J-STAGE December 15, **2023**, Online ISSN 2187-090X, https://doi.org/10.7831/ras.11.0_291
26	**Bratovcic, A.** (2023) The latest achievements in the application of sensors, artificial intelligence and digital transformation in the food industry, Journal of contemporary economics, 1(1): 76-84. Najnovija dostignuća u primjeni senzora, umjetne inteligencije i digitalne transformacije u prehrambenoj industriji, Časopis za savremena privredna kretanja, 1(1): 76-84.
27	**Bratovcic, A.** (2023) Photocatalytic Degradation of Plastic Waste: Recent progress and Future Perspectives, 5th International Symposium on Materials, Electrochemistry and Environment, Lebanon, 21-22-09.2023.
28	**Bratovcic, A.** (2023) Sophisticated transformation of chemical, pharmaceutical and food industry by implementation of digitalization and automatization, International Scientific Conference BASIC TECHNOLOGIES AND MODELS FOR THE IMPLEMENTATION OF INDUSTRY 4.0, 6 th October 2023, Sarajevo, Academy of Scinences and Arts of Bosnia and Herzegovina, B&H
29	**Bratovcic, A.** (2023) Green Synthesis of Various Nanostructures Containing Essential Oil and Silver Nanoparticles: Nanocomposites, Nanoemulsions and Nanoencapsules, International Journal of Engineering Research and Applications, 13(7): 234-242.
30	**Bratovcic, A.** (2023) Application of Nanofluids and Nanocomposites for Enhanced Oil Recovery, SSRG International Journal of Material Science and Engineering, 9(1):7-15.
31	**Bratovcic, A.** (2023) Nanoencapsulation of Omega-3 Fatty Acids and its Beneficial Health Effects, Acta Scientific Nutritional Health, 7(8): 73-80.
32	**Bratovčić, A.,** & Tomašić, V. (2023). Design and Development of Photocatalytic Systems for Reduction of CO2 into Valuable Chemicals and Fuels. *Processes*, *11*(5), 1433.
33	**Bratovcic, A.** (2023). Removal Methods of Plastic Waste and Interactions of Micro-and Nano-Plastics with Plants. *European Journal of Advanced Chemistry Research*, *4*(1), 1-5.

34	**Bratovcic, A.** (2022) Positive aspects of nanotechnology on agricultural sustainable development: application of nanoparticles and fibers for increasing agricultural yield, International Journal of Agriculture and Environmental Research, 8(6), 780-798.
35	Bratovcic, A. (2022). Bio-and Synthetic Nanocomposites for Food Packaging. In *The Science of Nanomaterials* (pp. 303-334). Apple Academic Press.
36	**Bratovcic, A.** (2023). Biomedical Application of Nanocomposites Based on Fullerenes-C60. In: Karabegovic, I., Kovačević, A., Mandzuka, S. (eds) New Technologies, Development and Application VI. NT 2023. Lecture Notes in Networks and Systems, vol 707. Springer, Cham. https://doi.org/10.1007/978-3-031-34721-4_12
37	**Bratovcic, A.** Chapter 8. Role of nanocomposites using Graphene based nanomaterials for food/toxin sensing applications in agriculture, in the book: CRC book 1st Edition: Graphene Based Nanomaterials Application in Food, Agriculture and Healthcare 01.02.2024. CRC Press https://www.taylorfrancis.com/chapters/edit/10.1201/9781003300540-10/role-nanocomposites-using-graphene-based-materials-food-toxin-sensing-applications-agriculture-amra-bratovcic
38	**Bratovcic, A., (2023)** Recent Achievements in Photocatalytic Degradation of Organic Water Contaminants, Kem. Ind. 72(9-10): 573-583.
39	**Bratovcic, A.,** Darroudi, M., Sundaramanickam, A., Ibrahimpasic, J. (2022). Application of Nanotechnology in Remediation of Environmental Pollutants. In: Aftab, T. (eds) Sustainable Management of Environmental Contaminants. Environmental Contamination Remediation and Management. Springer, Cham. https://doi.org/10.1007/978-3-031-08446-1_12
40	Darroudi, Majid, Amra Bratovcic, Zahra Sabouri, and Samaneh Sadat Tabrizi Hafez Moghaddas. "Removal of Organic Dyes from Wastewaters Using Metal Oxide Nanoparticles." In *Sustainable Management of Environmental Contaminants*, pp. 483-508. Springer, Cham, 2022. https://doi.org/10.1007/978-3-031-08446-1_19
41	Heydari-Majd, Mojtaba, Leila Monjazeb-Marvdashti, **Amra Bratovcic**, Anna Abdolshahi, Mohammad Reza Shadan, and Marzieh Yazdani-Dehnavi. "Prolong the shelf-life and quality attributes of ready-to-eat pomegranate arils using PLA/ZnO nanoparticle/Zataria multiflora essential oil nanocomposite film." (2022).
42	**Bratovcic, A.** "Smart and sustainable food processing sector by integration of the concepts of the technologies behind Industry 4.0", International scientific conference Application of Industry 4.0 An opportunity for a new step forward in all industrial branches, Special Editions ASAB&H CCII, DTS Volume 20, pp. 146-163. DOI: 10.5644/PI2022.202.28
43	Hikal, Wafaa M., Said-Al Ahl, A. H. Hussein, **Amra Bratovcic**, Kirill G. Tkachenko, Javad Sharifi-Rad, Miroslava Kačániová, Mohammed Elhourri, and Maria Atanassova. "Banana Peels: A Waste Treasure for Human Being." *Evidence-Based Complementary and Alternative Medicine* 2022 (2022)., https://doi.org/10.1155/2022/7616452
44	**Bratovcic, A**., M. Djapo-Lavic, M. Kazazic, E. Mehic, Evaluation of antioxidant capacities of orange, lemon, apple and banana peel extracts by FRAP aand ABTS methods, Revue Roumaine de Chimie, 66(8-9) 713-717. DOI: 10.33224/rrch.2021.66.8-9.03
45	**Bratovcic, A.** Smart and sustainable food processing sector by integration of the concepts of the technologies behind Industry 4.0, 146-163, Conference: International scientific conference Application of Industry 4.0 An opportunity for a new step forward in all industrial branches, DOI: 10.5644/PI2022.202.28
46	Y. Kishore Mohanta, A. Kumar Mishra, D. Nayak, B. Patra, **A. Bratovcic**, S. Kumar Avula, T. Kumar Mohanta, K. Murugan, M. Saravanan, Exploring Dose-Dependent Cytotoxicity Profile of *Gracilaria edulis*-Mediated Green Synthesized Silver Nanoparticles against MDA-MB-231 Breast Carcinoma, Oxidative Medicine and Cellular Longevity, Volume 2022, Article ID 3863138, https://doi.org/10.1155/2022/3863138
47	Hikal WM, Said-Al Ahl HAH, Tkachenko KG, Mahmoud AA, **Bratovcic A**, Hodžić S, Atanassova M. An Overview of Pomegranate Peel: A Waste Treasure for Antiviral Activity. Trop J Nat Prod Res. 2022; 6(1):15-19 http://www.doi.org/10.26538/tjnpr/v6i1.3
48	**Amra Bratovcic,** Application of Natural Biopolymers and its Derivatives as Nano - Drug Delivery Systems in Cancer Treatment, World Journal of Pharmaceutical Sciences, 2022, 10(02): 232-242, https://doi.org/10.54037
49	**Amra Bratovcic**, Hermina Buksek, Claus Helix-Nielsen, Irena Petrinic, Concentrating hexavalent chromium electroplating wastewater for recovery and reuse by forward osmosis using underground brine as draw solution, Chemical Engineering Journal, 431, Part 1 2022, 133918, https://doi.org/10.1016/j.cej.2021.133918

50	Biswas, Kunal, Awdhesh K. Mishra, Pradipta R. Rauta, Abdullah G. Al-Sehemi, Mehboobali Pannipara, Avik Sett, **Amra Bratovcic**, Satya K. Avula, Tapan K. Mohanta, Muthupandian Saravanan, and Yugal K. Mohanta. 2022. "Exploring the Bioactive Potentials of C_{60}-AgNPs Nano-Composites against Malignancies and Microbial Infections" *International Journal of Molecular Sciences* 23, no. 2: 714. https://doi.org/10.3390/ijms23020714
51	Biswas, K., Mohanta, Y.K., Mishra, A.K. *et al.* Wet chemical development of CuO/GO nanocomposites: its augmented antimicrobial, antioxidant, and anticancerous activity. *J Mater Sci: Mater Med* **32,** 151 (2021). https://doi.org/10.1007/s10856-021-06612-9
52	**Bratovcic, A**., Hikal, W.M., Ahl, H.A.H.SA. (2022). Electrochemical Sensors Based on Molecularly Imprinted Polymers and Different Carbon Materials for Antibiotics Detection. In: Karabegović, I., Kovačević, A., Mandžuka, S. (eds) New Technologies, Development and Application V. NT 2022. Lecture Notes in Networks and Systems, vol 472. Springer, Cham. https://doi.org/10.1007/978-3-031-05230-9_95
53	Wafaa M. Hikal, Hussein A.H. Said-Al Ahl, Kirill G. Tkachenko, **Amra Bratovcic**, Małgorzata Szczepanek, Ronald Maldonado Rodriguez, Sustainable and environmentally friendly essential oils extracted from pineapple waste, Biointerface Research in Applied Chemistry, **2022, 12(5)**: 6833-6844. https://doi.org/10.33263/BRIAC125.68336844
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10	**Amra Bratovcic**, Biogenic elements as cofactors in enzymes and their amount in the chia seed, 28.06.2019., Academy of Sciences and Arts of Bosnia and Herzegovina, Sarajevo, NT-2019 conference
11	**Amra Bratovcic**, „EPIDEMIOLOGICAL SITUATION IN BOSNIA AND HERZEGOVINA AND HOW CLIMATE CHANGE MAY IMPACT HUMAN HEALTH RELATED TO VECTOR-BORNE DISEASES", Fuerteventura, Canary Islands, Spain, 22-23. April, 2019, Cost Action CA16227
12	**Amra Bratovcic**, „Green silver nano particles as mosquito larvicides", Ohrid, Macedonia, 01-03.10.2018. Cost Action CA16227
13	**Amra Bratovcic**, „Synthesis of TiO_2 nanospheres and biosynthesis of green silver nano particles with possible application in textile industry", Zagreb, Croatia, 06 July, 2018. Cost Action CA16227 Investigation and Mathematical Analysis of Avant-garde Disease Control via Mosquito Nano-Tech-Repellents.
14	**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 Jully, 11-16, 2010, Ferrara, Italy, pg 160
15	Freja Forum Invited speaker on Seminar C: Climate Change – from Paris Agreement to UN 2030, 10-12 November 2017, Tuzla; Panel: Ms. Ph. D. Amra Bratovčić, professor, Faculty of Technology Tuzla, Bosnia and Herzegovina http://www.frejaforum.com/index.php?option=com_wrapper&view=wrapper&Itemid=246
16	Physical-chemical characterization of biosorbent on the base of barley straw and possibilities of application, Indira Šestan, Melisa Ahmetović, Amra Odobašić, Amra Bratovčić, 5th SCIENTIFIC SYMPOSIUM WITH INTERNATIONAL PARTICIPATION "ENVIRONMENTAL RESOURCES, SUSTAINABLE DEVELOPMENT AND FOOD PRODUCTION", OPORPH – 2017, 16th and 17th November, 2017. Tuzla, Bosnia and Herzegovina
17	Physical-chemical properties and application of beeswax, **Amra Bratovcic**, Midhat Jasic, Amra Odobasic, Indira Sestan, *Book of abstracts an full papers from congres of beekeeping and bee products with international participation, Beekeeping and bee products, ISSN 2490-3159, Year 1, No 1, 2016. Review paper*

18	The kinetics of copper ions adsorption from aqueous solutions on natural and comercial adsorbents, Amra Odobašić, Indira Šestan, Sead Ćatić, **Amra Bratovčić**, Muhamed Bijedić. IV SYMPOSIUM „Environmental resources, sustainable development and food production“ - OPORPH 2015, 12-13 November 2015
19	„Advantages and disadvantages of titanium dioxide photocatalyst“, **Amra Bratovcic**, Amra Odobasic, Sead Catic, Indira Sestan, Alija Nurkic, IV SYMPOSIUM „Environmental resources, sustainable development and food production“ - OPORPH 2015, 12-13 November 2015
18	*Heterogeneous photocatalysts on the basis of Na4W10O32 for oxidation of glycerol,* **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
19	Photocatalytic materials based on polyoxotungsates for selective oxidation of alcohols, **Amra Bratovcic**, Andrea Maldotti, Alessandra Molinari, 10-12 September, 2013 , Maribor, Slovenia
20	Design of Heterogeneous photocatalysts for selective oxidation of Alcohols, **Amra Bratovcic**, Doctoral Thesis, March 23, 2012, University of Ferrara, Ferrara, Italy
POSTER PRESENTATIONS	
1	**Amra Bratovcic**, Adsorption and Catalysis on Carbon Nanomaterials for Environmental Pollutants Removal, Trieste, Italy, 12-13 March, 2020, MultiComp
2	**Amra Bratovcic,** Application of carbon based aerogels and xerogels for removing of organic compounds, Santiago de Compostela, Spain, 18-20. February 2020, CA18125
3	**Amra Bratovcic**, Importance of antioxidant enzymes in preventing cell damage, 12. International Scientific and Professional Conference „With food to health“, 24-25 October 2019, Osijek, Croatia
4	I. Petrinić, H. Bukšek, M. S. Sheldon, **Amra Bratovcic**, C. Helix-Nielsen, Forward Osmosis in Water Treatment processes – case studies, VI SCIENTIFIC-PROFESSIONAL SYMPOSIUM WITH INTERNATIONAL PARTICIPATION „ENVIRONMENTAL RESOURCES, SUSTAINABLE DEVELOPMENT AND FOOD PRODUCTION “ – OPORPH 2019 14th and 15th November 2019, Tuzla, Bosnia and Herzegovina
5	**Amra Bratovcic**, Synthesis of gel air freshener and its stability, VI SCIENTIFIC-PROFESSIONAL SYMPOSIUM WITH INTERNATIONAL PARTICIPATION „ENVIRONMENTAL RESOURCES, SUSTAINABLE DEVELOPMENT AND FOOD PRODUCTION “ – OPORPH 2019 14th and 15th November 2019, Tuzla, Bosnia and Herzegovina
6	**Amra Bratovcic**, Irena Petrinic, The importance of monitoring of the quality and health safety of natural spring water, Slovenian Chemical Days, 25-27. September, 2019.
7	**Amra Bratovcic**, Carbon nanomaterials in removing of organic compounds from water, Aveiro, Portugal, 21-22 March, 2019, COST Action CA15107MULTICOMP MULTI-FUNCTIONAL NANO-CARBON COMPOSITE MATERIALS NETWORK
8	**Amra Bratovcic,** Jasmin Suljagic, „Micro- and nano-encapsulation in food industry“, Split, Croatia, 11th International Scientific and Professional Conference WITH FOOD TO HEALTH, 19-20.10.2018.
9	**Amra Bratovcic**, „Synthesis of titanium dioxide – carbon xerogel composites, CA 15107 Multi-Functional Nano-Carbon Composite Materials Network (MultiComp), University Polytehnica of Bucharest, Bucharest, Romania, 6-7 September 2018
10	**Amra Bratovcic**, Amra Odobasic, Indira Sestan, Emina Tucic, Adisa Hasanbasic, Edita Saric, *Determination of physical-chemical properties and stability of orange juice at room temperature*, Sixth Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 18-19 June 2018
11	Adisa Hasanbasic, Emina Tucic, **Amra Bratovcic**, Amra Odobasic, Indira Sestan, *Impact of solvent and temperature on solubility and viscosity of expanded polystyrene (EPS)*, International Students' GREEN Conference, 17-18 May 2018, Osijek, Croatia
12	**Amra Bratovcic**, Esther Bailón-García, Agustín F. Pérez-Cadenas, Francisco Carrasco-Marín, Francisco J. Maldonado-Hódar,*Titanium oxide nanospheres coated with carbon xerogel as efficient photocatalysts for the elimination of drugs*, **Cost Action 15107**, Multi-Functional Nano-Carbon Composite Materials Network (MultiComp), **Vilnius, Lithuania, 8-9 March 2018.**
13	Control of heavy metal content in different types of vegetables produced in the area of Zenica, Edita Sarić, **Amra Bratovčić**, Jovica Pažin, 5th SCIENTIFIC SYMPOSIUM WITH INTERNATIONAL PARTICIPATION "ENVIRONMENTAL RESOURCES, SUSTAINABLE DEVELOPMENT AND FOOD PRODUCTION“, OPORPH – 2017, 16th and 17th November, 2017. Tuzla, Bosnia and Herzegovina

14	Quality Assessment of the Native Soil, **Amra Bratovcic**, Edita Sarić, Edin Gutic, Senada Mujčinovic, 5th SCIENTIFIC SYMPOSIUM WITH INTERNATIONAL PARTICIPATION "ENVIRONMENTAL RESOURCES, SUSTAINABLE DEVELOPMENT AND FOOD PRODUCTION“ OPORPH – 2017, 16th and 17th November, 2017. Tuzla, Bosnia and Herzegovina
15	Determination of physical-chemical parameters of quality of workable soil, **Amra Bratovčić**, Indira Šestan, Emina Mujčinović, Lejla Mujkić, 5th SCIENTIFIC SYMPOSIUM WITH INTERNATIONAL PARTICIPATION "ENVIRONMENTAL RESOURCES, SUSTAINABLE DEVELOPMENT AND FOOD PRODUCTION “ OPORPH – 2017, 16th and 17th November, 2017. Tuzla, Bosnia and Herzegovina
16	“Correlative analysis of the distribution of metals in the system of water/sediment of accumulation Lake Modrac”, Indira Šestan, Amra Odobašić, **Amra Bratovčić**, Melisa Ahmetović, Fifth Scientific Conference with international participation, 5 June, World Environment Day, Bihac, Bosnia and Herzegovina, 29-30 June 2017, Book of Abstracts, ISSN 2303-5889, pg 88
17	Application of new materials based on TiO_2, **Amra Bratovcic**, Amra Odobasic, Azra Basic, Edina Suljic, Jasmina Alic, XI susret mladih kemijskih inzenjera, 18-19.02.2016., Zagreb, Croatia, *Faculty of Chemical Engineering and Technology*, Zagreb, Marulićev trg 20
18	„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
19	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 Odobašić, Indira Šestan, Sead Ćatić, Husejin Keran, **Amra Bratovčić**, Melisa Ahmetović
20	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
21	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 Odobašić, Edina Ibrišimović
22	XV. Ružička days, Today science - Tomorrow Industry, Vukovar 2014. „Heterogeneous photocatalysis using TiO_2 for photocatalytic wastewater treatment“, **Amra Bratovcic**, Amra Odobasic, Alija Nurkic
23	Correlation of physical-chemicalparameters of fresh and thermically processed milk and content of calcium, Indira Šestan, Amra Odobašić, **Amra Bratovčić**, X susret mladih kemijskih inženjera, Faculty of Chemical Engineering and Technology, Zagreb, 20-21 February 2014
24	XI Giornata della Chimica dell'Emilia-Romagna, October 28, 2011, University of Modena, Modena, Italy
25	FINELUMEN International Summer School „Advanced Physical Methods for Organic, Inorganic and Hybrid Materials“. May 23-27, 2011, Lochow, Poland
26	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**
27	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**
28	XXIII IUPAC SYMPOSIUM ON PHOTOCHEMISTRY Jully, 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
29	IX Giornata della Chimica dell'Emilia-Romagna, Decembre 4, 2009, University of Bologna, Bologna, Italy

Recently published books	1. Agrochemistry, Agrohemija, authors: Prof.dr. Amra Bratovcic and Prof.dr. Indira Sestan, **2022**. ISBN 978-9958-894-97-8. 2. Photochemistry and Photocatalysis, Fotohemija i fotokataliza, author, Prof.dr. Amra Bratovcic, associate professor, **2020**. ISBN 978-9958-894-77-0. 3. Physical Chemistry and Rheology of Polymers, Fizikalna hemija i reologija polimera, author, Prof.dr. Amra Bratovcic, associate professor, Senat University of Tuzla, 15.11.**2019**. ISBN: 978-9958-894-72-5 4. „Theoretical basics with experiments from pedology and agrochemistry" Teoretske osnove sa eksperimentalnim vjezbama iz pedologije i agrohemije" authors: Dr.sc. Indira Sestan, docent and Dr.sc. Amra Bratovcic, assoc. prof, Senat University of Tuzla, 27.06.**2018**. 5. Eksperimentalna fizikalna hemija sa teoretskim osnovama", eng. „Experimental physical chemistry with theoretical basics", Amra Odobašić, Sead Ćatić, Amra Bratovčić, Indira Šestan, Husejin Keran, ISBN 978-9958-894-32-9, 2016. 6. „Eksperimentalna fizikalna hemija sa teoretskim osnovama", eng. „Experimental physical chemistry with theoretical basics", Amra Odobašić, Sead Ćatić, Amra Bratovčić, Indira Šestan, Husejin Keran, ISBN 978-9958-31-176-5, 2014. 7. "Zbirka zadataka iz fizikalne hemije i elektrohemije", eng. „Theoretical Problems and solutions in Physical Chemistry and Electrochemistry", 2013, Authors: Amra Odobašić, Sead Ćatić, Husejin Keran, Indira Šestan, Amra Bratovčić, ISBN 978-9958-31-137-8 8. „Eksperimentalna elektrohemija", – „Experimental electrochemistry", 2009, ISBN: 978-9958-13-023-6, Amra Odobašić, Sead Ćatić, Amra Bratovčić, Indira Šestan
Book Chapter	1. **Bratovcic, A.** (2022). Bio-and Synthetic Nanocomposites for Food Packaging. In *The Science of Nanomaterials* (pp. 303-334). Apple Academic Press. 2. Darroudi, M., **Bratovcic, A**., Sabouri, Z., & Moghaddas, S. S. T. H. (2022). Removal of Organic Dyes from Wastewaters Using Metal Oxide Nanoparticles. In *Sustainable Management of Environmental Contaminants* (pp. 483-508). Springer, Cham. 3. **Bratovcic, A**., Darroudi, M., Sundaramanickam, A., & Ibrahimpasic, J. (2022). Application of Nanotechnology in Remediation of Environmental Pollutants. In *Sustainable Management of Environmental Contaminants* (pp. 343-355). Springer, Cham. 4. Nithin, A., Sundaramanickam, A., **Bratovcic, A**., Surya, P., & Sathish, M. (2022). Microplastics Occurrence in Different Regions Around the World. In *Microplastics Pollution in Aquatic Media* (pp. 1-20). Springer, Singapore. 5. **Bratovcic, A.**, Nithin, A., & Sundaramanickam, A. (2022). Microplastics Pollution in Rivers. In *Microplastics Pollution in Aquatic Media* (pp. 21-40). Springer, Singapore. 6. **Bratovcic, A.** (2020). New solar photocatalytic technologies for water purification as support for the implementation of industry 4.0. In *Handbook of Research on Integrating Industry 4.0 in Business and Manufacturing* (pp. 385-412). IGI Global. doi: 10.4018/978-1-7998-2725-2.ch017 7. **Bratovcic, A.** (2020). Synthesis, characterization, applications, and toxicity of lead oxide nanoparticles. *Lead Chemistry*. , DOI: http://dx.doi.org/10.5772/intechopen.91362 8. Odobasic, A., Sestan, I., & **Bratovcic, A**. (2017). The Extraction of Heavy Metals From Vegetable Samples. In *Ingredients extraction by physicochemical methods in food* (pp. 253-273). Academic Press. https://www.elsevier.com/books/ingredients-extraction-by-physicochemical-methods-in-food/grumezescu/978-0-12-811201-4 9. **Bratovcic, A.**, & Odobasic, A. (2011). Determination of fluoride and chloride contents in drinking water by ion selective electrode. Environmental Monitoring, 109-120. https://www.intechopen.com/books/environmental-monitoring/determination-of-fluoride-and-chloride-contents-in-drinking-water-by-ion-selective-electrode

Mentoring in the Doctoral and Master's Thesis	
	1. Doctoral Thesis entitled “The influence of Type of Surfactant on Quality and Physicochemical Properties of Liquid Soap”, candidate Sanela Nazdrajic, Mr of chemistry in education, PhD student. Date of exam: **17.12.2021.** **2.** Master's thesis entitled “Influence of process parameters on the synthesis of silver nanoparticles and their antibacterial activity”, candidate Amna Dautovic, bachelor of Applied Chemistry, The Master thesis was defended on **21.09.2023.** 2. Master's thesis entitled “Preparation and characterization of graphene and its composites”, candidate Melisa Avdibegovic, bachelor Engineer of Chemical Technology, The Master thesis was defended on **07.02.2019**. 3. Master's thesis entitled "Synthesis and physical-chemical characterization of carbon nanomaterials", candidate Edina Ibrisimovic, chemistry professor. The Master thesis successfully defended in **17.06.2016**. 4. Master's thesis entitled "Application of photocatalytic processes for waste water treatment", candidate Alija Nurkic, BSc. engineer technology, The Master thesis was defended on **29.12.2015**.

Projects	1. Istraživanje, razvoj i primjena modela Industrije 4.0 i jačanje cyber-fizičkog okruženja za mala I srednja preduzeća Kantona Sarajevo. Projekat finansira: Ministarstvo za nauku, visoko obrazovanje i mlade, Kanton Sarajevo. Član istraživačkog tima Akademije Nauka I Umjetnosti Bosne i Hercegovine (ANU BiH). (September 2023). 2. Implementacija Industrije 4.0 u preduzećima u Kantonu Sarajevo: spremnost za edukaciju i mogućnost za aplikaciju (odobren **06.09.2022**.) – učesnik na projektu. Projekat finansira: Ministarstvo za nauku, visoko obrazovanje i mlade, Kanton Sarajevo 3. (ENG) Osmosis process for the removal of traces of pharmaceutical organic pollutants (ARRS-MS-BI-BA-JR-Prijava/2018/55) (SLO) Proces osmoze za odstranitev sledov farmacevtskih organskih onesnaževal (ARRS-MS-BI-BA-JR-Prijava/2018/55) (BOS) Napredni proces osmoze za tragove lijekova kao organskih zagađivača (ARRS-MS-BI-BA-JR-Prijava/2018/55) ; Bilateral cooperation with Republic Slovenia, 2019-2020; Leader of the project 4. (ENG) Production of lignin and its model components as well as catalytic upgrading to higher-value chemicals (SLO)Pridobivanje lignina in njegovih modelnih komponent ter katalitska nadgradnja v kemikalije višjih vrednosti (LigMoKat); (BOS) Dobijanje lignina i njegovih modelnih komponenata kao i katalitska nadogradnja u hemikalije viših vrijednosti, Bilateral cooperation with Republic Slovenia, 2019-2020; Member of the project 5. Research on the possibility of applying agricultural waste for biosorption processes for removing heavy metals from natural and wastewater, supported by Federal Ministry of education, science and culture, Member of the project, 2017-2018 6. Investigation of the possibility of applying the M (II) complex of biogenic elements to Schiff bases, Member of the project, 2018 7. "Development of new photocatalytic materials on the basis of Titanium dioxide, Federal Ministry of Education of Bosnia and Herzegovina, 2015. 8. Youth Scientific and Research Camp, financed by Embasy USA, 45000 USD, 2015. 9. "Effetti matrice in fotocatalisi eterogenea", ATENEO FAR 2011, Univerzitet Ferrara 10. "Osssidazioni fotocatalitiche con sistemi inorganici organizzati", ATENEO FAR 2010, Univerzitet Ferrara 11. "Identification of the state and chemical forms of heavy metals in natural waters TK", Ministry of Education, Science Culture and Sport of TK 12. "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 13. "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 14. The European Union's IPA Programme for Bosnia and Herzegovina Strengthening Institutional Capacity for Quality Assurance BA11-IB-OT-02, 2015. 15. TEMPUS PROJECT BIHTEK, 530696-TEMPUS-1-2012-BE-TEMPUS-SMGR, 2015.
	TEMPUS PROJECT – „Benchmarking as a Tool for improvement of Higher Education Perfomance-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.
Summer School	20-31 July 2009, Crete, Greece – Summer School, "From Chemistry to Biology & Medicine via Metals"
Scholarship	
	2018 Short Term Scientific Mission (STSM), COST Action: CA15107; STSM reference number: 42233; Host institution: Universidad del País Vasco/Euskal Herriko Unvertsitatea (UPV-EHU), Donostia-San Sebastian, ES; STSM start and end date: 15/02/2019 - 15/03/2019;
	2018 Staff Mobility for training, ERASMUS + at the University of Opole, Opole, Poland, 22-26.10.2018.

	2018 Staff Mobilitiy for training, ERASMUS + at the University of Middle East Technical University (METU) in Ankara, Turkey, 09-13.07.2018.
	2016, Scholarship of Coimbra Group, 3 months at the University of Granada, Granada, Spain, 01.09.2016.-29.11.2016.
	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.
	2014, Scholarship for Staff mobility Erasmus Mundus Action 2 Penta JoinEU-SEE, University of Granada, Spain
	2009, 2010, 2011 Fully funded Doctoral degree – PhD Scholarship, Italian Ministry of Education
	2007, Ministry of Science and Education Tuzla Canton, Bosnia and Herzegovina, Financial Aid for the Master Degree
	2003, University of Tuzla
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	
1	08.07.2013 DELF A1 Diplôme d'études en langue française A1
2	07.05. 2010. C1 Italian language University of Ferrara
3a	Decembar 2009 – B2 First Certificate in English (FCE)The Cambridge English language test
3b	02.08.2008 B2 English as a Foreign Language accredited by the British Council at Embassy CES London Southbank
4	B2 German, CPE Tuzla, June 2017.
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.
Johan Galt School of Objectivism	The school was organized by Ayn Rand Center Europe and Association „Multi“ April 2023.
Social activities	- In 2015, she successfully completed the School of Political Science of the Council of Europe and participated in the 4th World Forum for Democracy of the Council of Europe in Strasbourg from 18 to 20 November 2015. - Member of Freja Forum Network, since November 2017. - Invited speaker on 12th Freja Forum in Belgrade, 9-11 November 2018 under workshop 6: “Women, youth, equality and peace” - She was invited lecturer at the 11th Freja Forum, which was held in Tuzla in the period 10-12. November 2017. The seminar that she led was called "Climate Change - from the Paris Accord to UN 2030", (Climate Change - from Paris Agreement to UN 2030). - On November 12, 2017, he attended the Freja Academy at the "Gender Equality" - "Gender-Pictures and Attitudes" lecture by Liselott Vahermägi from Sweden. - 02.12.2017. Participated in communication skills training and the lecturer was Sanja Medica.
Referees	
1.	Prof. dr. Andrea Maldotti , University of Ferrara, Italy, e-mail: mla@unife.it
2	Prof. dr. Alessandra Molinari, University of Ferrara, Italy, e-mail: mna@unife.it
3	Prof. dr. Agustin F. Perez Cadenas, University of Granada, Spain e-mail: afperez@ugr.es
GoogleScholar	**Citations 2127 h-index: 24; i10-index: 42 up to 11.11.2025.** https://scholar.google.com/citations?user=-pD9nE4AAAAJ&hl=en