Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Nadira Bušatlić**
Address(es)	Vrbas naselje I, 70230 Bugojno, B & H
Telephone(s)	+387 32 401 831 Mobile: +387 61 613 854
E-mail	nadira.busatlic@gmail.com nadira.busatlic@unze.ba

Nationality	Bosniak
Date of birth	19. 02. 1980.
Gender	Female

Work experience

Associate Professor, Vice dean for Teaching and Student Affairs, ECTS coordinator on Faculty of metallurgy and Technology, Assistant Professor, Senior Assistant, Civil engineering professor, Technologist in the production

Dates	29.06.2016.
Occupation or position held	Associate Professor of Science for the scientific field "Technical Sciences", field "Materials", branch "Non-metallic materials".
Main activities and responsibilities	Preparation and carrying out of teaching, organization and carrying out of scientific research, mentoring at undergraduate, master's and doctoral studies.
Name and address of employer	Univerity in Zenica, Fakultetska 3, 72 000 Zenica
Type of business or sector	Teaching and research

Dates	29.06.2016.
Occupation or position held	Assistant Professor of Science for the scientific field "Technical Sciences", field "Materials", branch "Non-metallic materials".
Main activities and responsibilities	Preparation and carrying out of teaching, organization and carrying out of scientific research, mentoring at undergraduate, master's and doctoral studies.Univerity in Zenica, Fakultetska 3, 72 000 Zenica
Name and address of employer	
Type of business or sector	Teaching and research

Dates	2011. – 2016.
Occupation or position held	Senior Assistant
Main activities and responsibilities	Performing computational and laboratory exercises

Name and address of employer	University in Zenica, Fakultetska 3, 72 000 Zenica
Type of business or sector	Teaching and research
Dates	01. 09. 2005. – 07.12.2014.
Occupation or position held	Civil engineering professor
Main activities and responsibilities	Education
Name and address of employer	Technical high school Bugojno
Type of business or sector	Education
Dates	29. 09. 2003. – 29. 09. 2004.
Occupation or position held	Technologist in the production
Main activities and responsibilities	Monitoring the production process of gypsum, testing of gypsum
Name and address of employer	Factory of gypsum “Komar”, Donji Vakuf
Type of business or sector	Production of gypsum

Education and training

Dates	April, 2016
Title of qualification awarded	Doctor of Technical Sciences
Principal subjects/occupational skills covered	Science Field "Engineering and Technology"; Scientific field "Chemical Engineering / Materials"; Major in "Process Engineering / Non-metal"
Name and type of organisation providing education and training	University of East Sarajevo, Faculty of Technology Zvornik
Level in national or international classification	Doctor of Technical Sciences
Dates	May, 2011.
Title of qualification awarded	Magister of Technical Sciences
Principal subjects/occupational skills covered	Non-metallic inorganic materials
Name and type of organisation providing education and training	University in Zenica
Level in national or international classification	Magister of Technical Sciences
Dates	19. 09. 2003.
Title of qualification awarded	Non-metallic materials engineer
Principal subjects/occupational skills covered	Non-metallic inorganic materials
Name and type of organisation providing education and training	University of Sarajevo, Faculty of metallurgy and materials in Zenica, Nonmetalic materials
Level in national or international classification	Inorganic material engineer

Personal skills and competences

Mother tongue(s): Bosnian language

Other language(s): **English language**

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
Language	B2	Good	B2	Good	B2	Good	B2	Good	B2	Good

(*) Common European Framework of Reference for Languages

Social skills and competences

- Very responsible person who fulfills all its obligations on time and with the maximum possible effort,
- Always ready to learn and progress,
- Very communicative person and willing to work individually and in team.

Technical skills and competences

- Use of equipment and instruments for chemical and phase analysis of materials
- Use of equipment for physical and mechanical testing of non-metallic materials

Computer skills and competences: Handling a PC, with excellent knowledge of Windows and basic software as well as tools for word and image processing (Quark, Corel, Photoshop, etc.)

Driving licence: Yes, B category

Additional information

Annexes

1. I. Bušatlić, N. Bušatlić, N. Haračić, N. Merdić, Material and energy balance of production of gypsum fluidization process, 13th International Research/Expert Conference ”Trends in the Development of Machinery and Associated Technology” TMT 2009, Hammamet, Tunisia, 16-21 Octobar, 2009.
2. I. Bušatlić, P. Dabić, M. Rizvanović, N. Bušatlić, Testing the influence of the addition electrofilter ash on the hydration process by measuring the specific electrical conductivity of cement pastes, VIII Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Zenica, April 27-28, 2010.
3. P. Petrovski, I. Bušatlić, S. Govedarica, D. Milošević, N. Bušatlić, Characterization of fly ash from TPP Gacko and the possibility of its application, VIII Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Zenica, April 27-28, 2010.
4. P. Petrovski, I. Bušatlić, N. Bušatlić, "Electrofilter ash of thermal power plants Tuzla, Kakanj and Gacko, Bosnia and Herzegovina - characterization and application" V Symposium "The recycling technology and sustainable development," Soko Banja, Serbia, 12-15. September, 2010.
5. I. Bušatlić, P. Petrovski, N. Bušatlić, Testing the possibility of using iron ore tailings in the production of Portland cement, VI Symposium "The recycling technology and sustainable development," Soko Banja, Serbia, 18 - 21 . September, 2011.
6. N. Haračić, N. Merdić I. Bušatlić Z. Osmanović, N. Bušatlić, Production of cement type CEM II / BW 42.5 N in terms of reliability, IX Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Zenica, April 23-24, 2012.
7. N. Merdić, N. Haračić I. Bušatlić, N. Bušatlić, K. Nihad, The use of granulated blast furnace slag as an additive to clinker production in the Cement plant Kakanj, IX Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Zenica, April 23-24, 2012.
8. I. Bušatlić, N. Bušatlić, N. Merdić, N. Haračić, The Influence of cation type bonded to the sulfate ion at corrosion of cement composites, IX Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Zenica, April 23-24, 2012.

9. I. Bušatlić, P. Petrovski, N. Bušatlić, Effect of blast furnace slag of Mittal Steel Zenica on cement properties; VI Symposium "The recycling technology and sustainable development," Soko Banja, Serbia, 5-7 . September, 2012.
10. I. Bušatlić, A. Ibrahimagić, N. Merdić, N. Bušatlić, A. Smajić, Effect of a calcium fly ash at hydration heat of Portland cement, X Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Bugojno, April 24-25, 2014.
11. I. Bušatlić, N. Merdić, N. Bušatlić, N. Haračić, A. Musić, The possibility of production CEM I 52,5 in Cement factory Kakanj, X Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Bugojno, April 24-25, 2014.
12. I. Bušatlić, A. Ibrahimagić, N. Bušatlić, A. Smajić, Ecological Advantages of Using Technogenic Waste Materials in Cement Industry, IV International Symposium on Environmental and Material Flow Managment-EMFM 2014, Bor, Serbia, 31. October-02. November 2014.
13. N. Bušatlić, I. Bušatlić, P. Petrovski, The investigation of possibilities of mono al phosphate and AlCr phosphate synthesis – the binders for refractories, 18th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2014, Budapest, Hungary 10-12 September, 2014.
14. N. Bušatlić, I Bušatlić, M. Perušić, E. Tutić, Testing of mechanical properties of phosphate-related refractory materials based on quartz sand, , 9th Research/Expert Conference with International Participation Quality 2015, Neum, BiH, 10 – 13 Juni, 2015.
15. N. Bušatlić, I. Bušatlić, M. Perušić, Dž. Bečirhodžić, Testing mechanical properties of the phosphate-bonded refractory materials based on chamotte, 19th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology" TMT 2015, Barcelona, Spain, 22 – 23 juli, 2015.
16. N. Merdić, I. Bušatlić, N. Haračić, N. Bušatlić, A. Merdić, Possibility of the production of portland-composite cements type 52,5n in cementplant Kakanj, XI Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Zenica, BiH, April 21-22, 2016.
17. N. Bušatlić, I. Bušatlić, M. Perušić, The Influence of MAP on the compressive strength of the chemically bound refractory materials, XI Scientific-expert symposium with international participation "Metallic and non-metallic inorganic materials, Zenica, BiH, April 21-22, 2016.
18. I. Bušatlić, S. Muhamedagić, N. Bušatlić, N. Merdić, N. Haračić, The preliminary examination of technogenic waste materials from Bosnia and Herzegovina usage possibility in portland-composite cement production, XXIV International Conference "Ecological Truth" – Eco-Ist´16, 12-15 June 2016, Vrnjačka Banja, Serbia
19. Ilhan Bušatlić, Nadira Bušatlić, Petar Petrovski, The influence of phosphate binder and activator binding to the physical properties of refractory concrete, 20th International Research/Expert Conference „Trends in the Development of Machinery and Associated Technology" TMT 2016, Mediterranean Sea cruising 24 th September – 1st October, 2016.
20. Ilhan Bušatlić, Šefkija Botonjić, Azra Halilović, Nadira Bušatlić, Amna Karić, Positive examples of wastewater treatment effectiveness in "Natron-Hayat" Maglaj Factory, XII International Symposium on Recycling Technologies and Sustainable Development, Bor Lake, Serbia, 13 – 15. September, 2017.
21. Nadira Bušatlić, Mitar Perušić, Ilhan Bušatlić, The Testing of Influence of Metakaolin on the Mechanical Properties of Phosphate Bonded Refractory Materials, 12th Conference for Young Scientists in Ceramics, Faculty of Technology Novi Sad, Serbia, 18 – 21. Oktober, 2017.
22. Nevzet Merdić, Nedžad Haračić, Ilhan Bušatlić, Nadira Bušatlić, Adis Merdić, Optical microscopy evaluation of Portland cement clinker – acetic acid etching preparation, 12th Scientific/Research Symposium with International Participation "Metallic and Nonmetallic Materials",B&H, 19 – 20. April 2018.
23. Nevzet Merdić, Nedžad Haračić, Ilhan Bušatlić, Nadira Bušatlić, Zehrudin Osmanović, Nisad Avdić, The influence of clinker dust on blast furnace cement properties, 12th Scientific/Research Symposium with International Participation "Metallic and Nonmetallic Materials", B&H, 19 – 20. April 2018.
24. Nadira Bušatlić, Ilhan Bušatlić, Nedžad Haračić, Nevzet Merdić, The influence of the phosphoric acid and clay on the physical and mechanical properties of refractory concrete, 12th Scientific/Research Symposium with International Participation "Metallic and Nonmetallic Materials", B&H, 19 – 20. April 2018.
25. Marina Jovanović, Adnan Mujkanović, Nadira Bušatlić, The effects of the distribution coefficient on the properties of the refractory castables from th chamotte waste and clay "Rapajlo", 12th Scientific/Research Symposium with International Participation "Metallic and Nonmetallic Materials", B&H, 19 – 20. April 2018.
26. Nadira Bušatlić, Ilhan Bušatlić, THE INFLUENCE OF ALUMINUM-CHROME PHOSPHATE ON COMPRESSIVE STRENGTH OF REFRACTORY MATERIALS, 21st International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2018, Karlovy Vary, Czech Republic, 18th – 22nd September, 2018, ISSN 1840-4944
27. Ilhan Bušatlić, Nadira Bušatlić, THE POSSIBILITY OF USING THE FLY ASH FROM THERMAL POWER PLANT "STANARI" DOBOJ IN THE DEVELOPMENT OF GEOPOLYMERS, XIII International Mineral Processing and Recycling Conference, Belgrade, Serbia, May 2019., pp 141-148, ISBN 978-86-6305-091-4

28. Nevzet Merdić, Nedžad Haračić, Ilhan Bušatlić, Nadira Bušatlić, Amna Karić, INVESTIGATION THE POSSIBILITY OF POZZOLANIC CEMENT CEM IV 42,5N PRODUCTION IN CEMENT PLANT KAKANJ, 13th Scientific/Research Symposium with International Participation "Metallic and Nonmetallic Materials", B&H, 27 May 2021, ISSN 2566-4344
29. Nedžad Haračić, Nevzet Merdić, Ilhan Bušatlić, Nadira Bušatlić, Azra Halilović, Zehrudin Osmanović, THE INFLUENCE OF RDF (REFUSE DERIVED FUELS) ON CEMENT CLINKER REACTIVITY, 13th Scientific/Research Symposium with International Participation "Metallic and Nonmetallic Materials", B&H, 27 May 2021, ISSN 2566-4344
30. Nadira Bušatlić, Ilhan Bušatlić, Nevzet Merdić, Dženana Smajić-Terzić, INFLUENCE OF Na2SiO3/NaOH RATIOS ON THE COMPRESSIVE STRENGTH OF FLY ASH BASED GEOPOLYMERS FROM THERMAL POWER PLANT STANARI IN BIH, 13th Scientific/Research Symposium with International Participation "Metallic and Nonmetallic Materials", B&H, 27 May 2021, ISSN 2566-4344

REVIEW PUBLISHED PAPERS:

1. N. Bušatlić, I. Bušatlić, Tehnološki proces proizvodnje gipsnog veziva u fluidizirajućem sloju, Studentska naučno-stručna konferencija „Techno-educa 2009.", Zenica, BiH, Maj, 2009.
2. Adis Duraković, Nevzet Merdić, Nadira Bušatlić, Correlation of the Mechanical Properties of Cement CEM II/B-W 42,5N and Water-cement ratio, 4th International Student Conference on Technical Sciences, Bor Lake, Serbia, 20-21. October, 2017.
3. Tarik Kurtiši, Nadira Bušatlić, REDUCTION OF CO_2 EMISSION IN CEMENT INDUSTRY, 5th International Student Conference on Technical Sciences, Bor Lake, Serbia, 28-29. October, 2018.
4. Edin Durak, Tarik Kurtiši, Nadira Bušatlić, GEOPOLYMERS BASED ON BLAST FURNACE SLAG, 6th International Student Conference on Technical Sciences, Technical Faculty in Bor, Serbia, 25-27. September, 2019.
5. Tarik Kurtiši, Edin Durak, Nadira Bušatlić, POSSIBILITY OF USE OF FLY ASH IN GEOPOLYMER CONCRETE, 6th International Student Conference on Technical Sciences, Technical Faculty in Bor, Serbia, 25-27. September, 2019.

PUBLICATIONS IN INDEXED JOURNALS:

1. Nadira Bušatlić, Ilhan Bušatlić, Mitar Perušić, Dženana Bečirhodžić, Testing Mechanical Properties Of The Phosphate-Bonded Refractory Materials Based On Chamotte, Journal of Trends in the Development of Machinery and Associated Technology Vol. 19, No. 1, 2015, ISSN 2303-4009 (online), p.p. 69-72.
2. Ilhan Bušatlić, Nadira Bušatlić, Petar Petrovski, The influence of phosphate binder and activator binding to the physical properties of refractory concrete, Journal of Trends in the Development of Machinery and Associated Technology Vol. 20, No. 1, 2016, ISSN 2303-4009 (online), p.p. 69-72.
3. Ilhan Bušatlić, Šefkija Botonjić, Azra Halilović, Nadira Bušatlić, Amna Karić, Positive examples of wastewater treatment effectiveness in "Natron-Hayat" Maglaj factory, Recycling and Sustainable Development, Online ISSN 2560-3132, Print ISSN 18207480, p.p. 23-30, 2017.
4. Nadira Bušatlić, Ilhan Bušatlić, THE INFLUENCE OF ALUMINUM-CHROME PHOSPHATE ON COMPRESSIVE STRENGTH OF REFRACTORY MATERIALS, Journal of Trends in the Development of Machinery and AssociatedTechnology Vol. 21, No. 1, 2018, ISSN 2303-4009 (online), p.p. 29-32
5. Ilhan Bušatlić, Nadira Bušatlić, Amna Karić, Azra Halilović, Industrial waste materials as raw materials for the production of low heat hydration cement, Recycling and Sustainable Development, Online ISSN 2560-3132, Print ISSN 1820-7480, p.p. 31-36.
6. Mevlida Operta, Nadira Bušatlić, Contribution to the Knowledge of the Magnesite Deposits in Bosnia and Herzegovina, Journal of Geographical Review No 39, 2018, Online ISSN: 2303 – 8950, p.p. 107 – 122.

PUBLISHED BOOKS:

1. I. Bušatlić, N.Bušatlić, Cementne sirovine u Bosni I Hercegovini, Štamparija Fojnica d.d., 2018.
2. N. Bušatlić, I. Bušatlić, Influence of Metakaolin on Phosphate Bonded Refractory Materials, LAP LAMBERT Academic Publishing, 2018.
3. I.Bušatlić, N.Bušatlić, N.Merdić, N.Haračić, Osnove hemije I tehnologije Portland cementa, Štamparija Fojnica d.d., 2020.

PROJECTS:

1. Project associate, "Analysis of fly ash of thermal power plant Gacko and testing of its application in construction materials", Project executor: Faculty of metallurgy and materials, Client: mine and thermal power plant Gacko, 2010.
2. Associate on the project "Investigation of the possibility of using waste granulated blast furnace slag in the cement and construction industry", Project executor: Faculty of metallurgy and technology, University of Zenica, 2019.
3. Participation in the project at the Faculty of metallurgy, University of Zagreb within erasmus + mobility of teaching and non-teaching staff, key activity 1 (ka 107), mobility projects between participating countries and partner countries, 13-17 may 2019.
4. Participation in the project "Academy for environmental management-sustainable development and occupational safety", the organizers of the project are the Faculty of Economics, Law and Metallurgy and technology of the University of Zenica, 2020.
5. Member of the organizational project team "Thorough promotion of the Faculty of metallurgy and technology to high school graduates in Zenica-Doboj and Central Bosnia Canton", Faculty of metallurgy and technology, 2021.
6. Head of the organizational project "Innovation of the curriculum on the first cycle of studies of the Faculty of metallurgy and technology, University of Zenica", 2021.
7. Head of the scientific research project "Examination of the possibility of using technogenic waste materials from B&H in the production of geopolymers", 2021.

OTHER REFERENCES:

1. Member of the Scientific Committee of the XII Scientific and technical symposium "METAL AND NON-METAL MATERIALS: production-properties-application" - MNM 2018.
2. Member of the Scientific Committee of the XIII Scientific and technical symposium "METAL AND NON-METAL MATERIALS: production-properties-application" - MNM 2020.
3. Member of the review and revision committee of the journal RECYCLING AND SUSTAINABLE DEVELOPMENT, University of Belgrade, Technical Faculty Bor, 2018.
4. Member of the Board for Review / Revision of the Program of the Journal RECYCLING AND SUSTAINABLE DEVELOPMENT, University of Belgrade, Technical Faculty Bor, 2019.
5. 5. Member of the review and revision committee of the JOURNAL OF MINING AND METALLURGY magazine, Section A: Mining, University of Belgrade, Technical Faculty Bor, 2019.
6. 6. Member of the review / revision committee of the JOURNAL OF MINING AND METALLURGY magazine, Section A: Mining, University of Belgrade, Technical Faculty Bor, 2020.
7. 7. Member of the review / revision committee of the JOURNAL OF MINING AND METALLURGY magazine, Section A: Mining, University of Belgrade, Technical Faculty Bor, 2021.
8. 8. Member of the Board for Review / Revision of the Program of the Journal RECYCLING AND SUSTAINABLE DEVELOPMENT, University of Belgrade, Technical Faculty Bor, 2020.
9. 9. Member of the Board for Review / Revision of the Program of the Journal RECYCLING AND SUSTAINABLE DEVELOPMENT, University of Belgrade, Technical Faculty Bor, 2021.

MENTOR AND CO-MENTOR:

1. Mentor and co-mentor on over ten graduate theses.

2. Mentor in the preparation of the master's thesis entitled "Examining the possibility of production of geopolymers based on electrostatic precipitator ash", candidate Dženana Smajić-Terzić.

3. Co-mentor in the preparation of the master's thesis entitled "Geopolymers based on fly ash of TPP Stanari near Doboj and granulated blast furnace slag from Arcelormittal Zenica", candidate Lejla Mujezinović.

Zenica,_____2022. Dr.sc. Nadira Bušatlić, associate professor

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