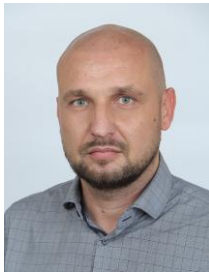


## PERSONAL INFORMATION

## Adnan Mujkanović



📍 Travnička cesta 1, Zenica, 72000, BiH

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## WORK EXPERIENCE

2016 .– **Associate professor**  
Faculty of Metallurgy and Technology  
Teaching process, Scientific-research work

2011. – 2016. **Assistant professor**  
Faculty of Metallurgy and Materials Science  
Teaching process, Scientific-research work

2007 . – 2011. **Senior teaching assistant**  
Faculty of Metallurgy and Materials Science  
Teaching process, Scientific-research work

2003. – 2007. **Teaching assistant**  
Faculty of Metallurgy and Materials Science  
Teaching process, Scientific-research work

## EDUCATION AND TRAINING

2011. **PhD, Scientific field Non-metallic materials**  
Faculty of Metallurgy and Materials Science  
▪ Engineering of non-metallic materials

2010. -  
Training for laboratory testing of hot mix asphalt  
▪ Faculty of Metallurgy and Materials Science

2007. **MsC, Scientific field Non-metallic materials**  
Faculty of Metallurgy and Materials Science  
▪ Engineering of non-metallic materials

2007. -  
Training in laboratory for wood and wood composites testing  
Bern University of Applied Sciences

2003 **BsC, Scientific field Non-metallic materials**

Faculty of Metallurgy and Materials Science

- Engineering of non-metallic materials

## Foreign language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

## ADDITIONAL INFORMATION

## Publications

1. M. Jovanović, A. Mujkanović, E. Tutić, T. Volkov-Husović: EFFECTS OF CIGARETTE BUTTS ADDITION ON THERMAL CONDUCTIVITY AND CERAMIC PROPERTIES OF BRICK CLAY, International Journal of Energy and Environment (IJEE), Volume 10, 2019
2. A. Mujkanović, I. Bušatlić, M. Jovanović, Dž. Bečirhodžić, V. Redžić: MIX DESIGN OF SELF-COMPACTING CONCRETE CONTAINING HIGH VOLUME CALCAREOUS FLY ASH FOR PRECAST ELEMENTS, Mašinstvo, Journal of Mechanical Engineering, Volume 13, Number 1, January-June 2016., pp 23-40
3. Erna Tutić, Marina Jovanović, Adnan Mujkanović: PREPARATION OF MULLITE CERAMICS FROM BAYER ELECTROFILTER FINES AND LOW KAOLINITE CLAY“, International Journal Science of Sintering, Volume 2, 2016
4. A. Mujkanović, P. Petrovski, M. Rizvanović, I. Bušatlić: “SILICA SYNTHESIZED FROM DILUTED SODIUM SILICATE SOLUTIONS, BY-PRODUCTS OF VARIOUS INDUSTRIAL PROCESSES, AS REINFORCING FILLER FOR ELASTOMER COMPOUNDS“, The Journal of Environmental Protection and Ecology, B.EN.A, (2011)ISSN 1311-5065
5. Bušatlić, P. Petrovski, M. Rizvanović, A. Mujkanović: “THE INVESTIGATION OF USAGE OF THE FLY ASHES FROM POWER PLANTS KAKANJ AND TUZLA IN PORTLAND CEMENT PRODUCTION“, The Journal of Environmental Protection and Ecology, B.EN.A, (2011) ISSN 1311-5065
6. Adnan Mujkanović, Nevzet Merdić, Marina Jovanović: EFFECT OF NANOSILICA ON EARLY STRENGTH OF CEMENT MORTAR, 21th International Research/Expert Conference “Trends in the Development of Machinery and Associated Technology”, TMT 2018, 18-22 September 2018, Karlovy Vary, Czech Republic
7. Adnan Mujkanović, Marina Jovanović, Amel Zahirović: POVEĆANJE EFIKASNOSTI PRIMJENE KALCIJSKOG LETEĆEG PEPELA U CEMENTNIM KOMPOZITIMA PUTEM MEHANIČKE PRIPREME, PRVA MEĐUNARODNA KONFERENCIJA „Cjeloviti pristup okolišu“, Sisak, 13 – 14. rujna 2018.
8. Adnan Mujkanović, Marina Jovanović, Amel Zahirović: THE EFFECTS OF NANOSILICA ON THE PHYSICAL-MECHANICAL PROPERTIES OF CONCRETE, 12th Scientific Research Symposium with International Participation "Metallic and Nonmetallic Materials: production-properties-application (MNM 2018), Vlačić, Bosnia and Herzegovina, 2018
9. M. Jovanović, A. Mujkanović, N. Bušatlić, I. Čabrara, A. Omerović: CASTABLES BASED ON CHAMOTTE WASTE WITH ADDITION OF FLY ASH AND CLAY, 10<sup>th</sup> research/expert conference with international participation „Quality 2017“, 2017., Neum, Bosnia and Herzegovina
10. Dž. Bečirhodžić, A. Mujkanović, M. Jovanović: COMPARATIVE ANALYSIS OF THE PARTICLE SIZE DISTRIBUTION BY WET SIEVING METHOD AND LASER DIFFRACTION ANALYSIS, 49<sup>th</sup> International October Conference on Mining and Metallurgy, 18<sup>th</sup> – 21<sup>st</sup> October 2017, Bor, Serbia,
11. Adnan Mujkanović, Ilhan Bušatlić, Marina Jovanović, Dženana Bečirhodžić: STRENGTH DEVELOPMENT OF SELF-COMPACTING CONCRETE INCORPORATING HIGH

	<p>VOLUME OF CALCAREOUS FLY ASH, 20th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2016, Mediterranean Sea Cruising, 24th September - 1st October, 2016</p> <p>12. Adnan Mujkanović, Dženana Bećirhodžić, Nevzet Merdić: SELF-CLEANING CONCRETE – A CONSTRUCTION MATERIAL FOR BUILDING CLEANER WORLD, 20th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2016, Mediterranean Sea Cruising, 24th September - 1st October, 2016</p> <p>13. Adnan Mujkanović, Ilhan Bušatlić, Marina Jovanović, Dženana Bećirhodžić: PREGLED METODA ZA PROJEKTOVANJE SASTAVA SAMOZBIJAJUĆEG BETONA, XI Naučno/stručni simpozij sa međunarodnim učešćem „METALNI I NEMETALNI MATERIJALI“ Zenica, BiH, 21-22. april 2016.</p> <p>14. Adnan Mujkanović, Ilhan Bušatlić, Marina Jovanović, Dženana Bećirhodžić: UTJECAJ RAZLIČITIH TIPOVA ELEKTROFILTERSKOG PEPELA NA SVOJSTVA SAMOZBIJAJUĆEG BETONA, XI Naučno/stručni simpozij sa međunarodnim učešćem „METALNI I NEMETALNI MATERIJALI“ Zenica, BiH, 21-22. april 2016</p> <p>15. Marina Jovanović, Adnan Mujkanović, Erna Tutić, Vedija Karalić: UTJECAJ DODATAKA NA SVOJSTVA OPEKARSKIH PROIZVODA, XI Naučno/stručni simpozij sa međunarodnim učešćem „METALNI I NEMETALNI MATERIJALI“ Zenica, BiH, 21-22. april 2016</p> <p>16. Adnan Mujkanović, Marina Jovanović, Dženana Bećirhodžić, Nevzet Merdić: ENVIRONMENTAL-FRIENDLY SELF-COMPACTING CONCRETE CONTAINING CALCAREOUS FLY ASH, The 5th International Symposium on Environmental and Material Flow Management – EMFM 2015, Zenica</p> <p>17. Adnan Mujkanović, Marina Jovanović, Dženana Bećirhodžić, Amna Karić: SELF-COMPACTING CONCRETE – A SUSTAINABLE CONSTRUCTION MATERIAL, The 5th International Symposium on Environmental and Material Flow Management – EMFM 2015, Zenica</p> <p>18. Marina Jovanović, Adnan Mujkanović, Erna Tutić: THE APPLICATION OF BAYER ELECTROFILTER FINES IN THE PRODUCTIO OF MULLITE, The 5th International Symposium on Environmental and Material Flow Management – EMFM 2015, Zenica</p> <p>19. Adnan Mujkanović, Admira Selimspahić, Hasnija Berbić, Dženana Bećirhodžić, Erna Tutić: AN OVERVIEW OF ADDITIVES IN FIRED CLAY BRICK, 1st INTERNATIONAL STUDENT CONFERENCE on mining, metallurgy, chemical engineering, material science and related fields, October 3rd 2014, Bor Lake, Bor (Serbia) in the frame of IOC 2014 – 46th International October Conference on mining and metallurgy</p> <p>20. Marina JOVANOVIĆ, Adnan MUJKANOVIC, Asim ČAMDŽIĆ, Denis VEJZOVIĆ: PROPERTIES OF SELF-COMPACTING CONCRETE CONTAINING TYPE C FLY ASH, 18th International Research/Expert Conference, "Trends in the Development of Machinery and Associated Technology", TMT 2014, Budapest, Hungary 10-12 September, 2014</p> <p>21. Mujkanović, M. Jovanović: „BETON OD RECIKLIRANOG AGREGATA“, X Naučno/stručni simpozij sa međunarodnim učešćem „METALNI I NEMETALNI MATERIJALI“ Bugojno, 2014</p> <p>22. Mujkanović, M. Jovanović, Adela Telalović, Almir Bajraktarević, Adis Čatić: PREGLED UPOTREBE DODATAKA ZA POVEĆANJE POROŽNOSTI U OPEKARSKIM PROIZVODIMA, X Naučno/stručni simpozij sa međunarodnim učešćem „METALNI I NEMETALNI MATERIJALI“ Bugojno, 2014.</p> <p>23. M. Jovanović, A. Mujkanović: UTJECAJ DODATKA UGLJENA RMU „KAKANJ“ NA SVOJSTVA OPEKARSKE GLINE „RAPAJLO“, X Naučno/stručni simpozij sa međunarodnim učešćem „METALNI I NEMETALNI MATERIJALI“ Bugojno, 2014.</p> <p>24. Marina JOVANOVIĆ, Adnan MUJKANOVIC: CHARACTERIZATION, BENEFICIATION AND UTILIZATION OF THE CLAY FROM CENTAL BOSNIA, B&amp;H, 17th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2013, Istanbul, Turkey, 10-11 September 2013.</p> <p>25. Adnan Mujkanović, Petar Petrovski, Mirsada Rizvanović: MEHANIZAM OJAČANJA GUME AKTIVNIM NANOPUNILIMA, IX naučno-stručni simpozijum sa međunarodnim učešćem MNM 2012, Zenica, BiH, Organizator: Fakultet za metalurgiju i materijale u Zenici, 23. – 24. april 2012.</p>
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	<p>26. Marina Jovanović, Adnan Mujkanović, Ajdin Šeper: MECHANICAL PROPERTIES OF BITUMINOUS AGGREGATE MIXTURE BNS 22A PREPARED WITH FLY ASH FROM POWER PLANT "GACKO" AS A FILLER REPLACEMENT, 15th International Research/Expert Conference, "Trends in the Development of Machinery and Associated Technology", TMT 2011, Prague, Czech Republic, 12-18 September 2011</p> <p>27. Mujkanović, P. Petrovski, Lj. Vasiljević, G. Ostojić: „THE INFLUENCE OF PRECIPITATION TEMPERATURE ON SILICA MORFOLOGY“, 14th International Research/Expert Conference TMT 2010, Mediterranean Cruise, 11-18 September 2010</p> <p>28. Mujkanović, P. Petrovski, Lj. Vasiljević, G. Ostojić: „ISPITIVANJE UTICAJA KONCENTRACIJE SiO<sub>2</sub> I TEMPERATURE PRECIPITACIJE NA DEAGLOMERABILNOST PRECIPITIRANOG SiO<sub>2</sub> METODOM RASPRŠAVANJA LASERSKE SVJETLOSTI“, VIII Naučno/stručni simpozij sa međunarodnim učešćem „METALNI I NEMETALNI MATERIJALI“ Zenica, BiH 27-28. april 2010</p> <p>29. A.Mujkanović, Lj. Vasiljević, G. Ostojić: "NON-BLACK FILLERS FOR ELASTOMERS", 13th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2009, Hammamet, Tunisia, 16-21 October 2009</p> <p>30. A.Mujkanović, P.Petrovski, M.Rizvanović, I.Bušatlić: "SILICA SYNTHESIZED FROM DILUTED SODIUM SILICATE SOLUTIONS, BY-PRODUCTS OF VARIOUS INDUSTRIAL PROCESSES, AS REINFORCING FILLER FOR ELASTOMER COMPOUNDS", the Conference "Life Quality and Capacity Building in the frame of a Safe Environment", March 17-20, 2009, Katerini Pieria Greece</p> <p>31. Bušatlić, P.Petrovski, M. Rizvanović, A. Mujkanović: "THE INVESTIGATION OF USAGE OF THE FLY ASHES FROM POWER PLANTS KAKANJ AND TUZLA IN PORTLAND CEMENT PRODUCTION", the Conference "Life Quality and Capacity Building in the frame of a Safe Environment" (March 17-20, 2009) in Katerini Pieria Greece</p> <p>32. A.Mujkanović, M.Pašić, A.Kurtović: „EFFECT OF MATRIX STRENGTH ON TOUGHNESS OF STEEL FIBRE REINFORCED CONCRETE, 12th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2008, Istanbul, Turkey 2008</p> <p>33. A.Mujkanović, M.Pašić, Z.Pašić: „UTICAJ MASENOG UDJELA ČELIČNIH VLAKANA NA ŽILAVOST BETONA“, VII Naučno-stručni skup sa međunarodnim učešćem „Metalni i nemetalni materijali“ Proizvodnja-osobine-primjena, Zenica 2008</p> <p>34. A.Mujkanović, E.Spahić: „UTICAJ MASENOG UDJELA, DIMENZIJA I OBLIKA ČELIČNIH VLAKANA NA OSOBINE BETONA“, VI Međunarodni naučno-stručni skup "Nemetalni anorganski materijali. Proizvodnja-prerada-primjena", Zenica, april 2006</p> <p>35. M.Pašić, S.Hrustić, A.Mujkanović: „MOGUĆNOST PRIMJENE PIROFILITA KAO PUNILA U MASI ZA GLETOVANJE ZIDOVA“, V Međunarodni naučno-stručni skup "Nemetalni anorganski materijali. Proizvodnja-prerada-primjena", Zenica, april 2004</p> <p>36. M.Pašić, A.Mujkanović: "OSOBINE OČVRSLOG CEMENTNOG MALTERA U OVISNOSTI O PRIRODI PIJESKA", V Međunarodni naučno-stručni skup "Nemetalni anorganski materijali. Proizvodnja-prerada-primjena", Zenica, april 2004.</p> <p><b>Books:</b></p> <p>37. Adnan Mujkanović, Marina Jovanović: „PIGMENTI I PUNILA“, Univerzitetski udžbenik, Fakultet za metalurgiju i materijale, Zenica, 2016.</p> <p>38. Esad Koldžić, Jusuf Duraković, Marina Jovanović, Adnan Mujkanović: „Opeka – OD SIROVINE DO GOTOVOG PROIZVODA“, Univerzitetski udžbenik, Fakultet za metalurgiju i materijale, Zenica, 2010.</p>
Projects	<ul style="list-style-type: none"> <li>• Invest RM: Multi – factor Model for investments in the Row Material sector“ Showcase BiH (2020-)</li> <li>• Projekt Healthy URBan Environment Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina (HURBE) (2020-)</li> <li>• COST projekt Self-healing As prevention Repair of COncrete Structures</li> </ul>

	<p>(SARCOS) (2019-)</p> <ul style="list-style-type: none"> <li>• “RAZVOJ EKOLOŠKI PRIHVATLJIVOG BETONA VISOKIH PERFORMANSI UPOTREBOM LOKALNO DOSTUPNIH MINERALNIH DODATAKA”, Projekat je finansiran od Federalnog ministarstva obrazovanja i nauke, a trenutno je u fazi realizacije (Head of the Project)</li> <li>• “UPOTREBA OTPADNIH MATERIJALA U OPEKARSKOJ INDUSTRIJI”, Projekat je finansiran od Federalnog ministarstva obrazovanja i nauke (2017-2018)</li> <li>• „PRIMJENA ELEKTROFILTERSKOG PEPELA U PROIZVODNJI SAMOZBIJAJUĆEG BETONA“. Projekat je finansiran od Federalnog ministarstva obrazovanja i nauke, a realizovan je u u periodu maj 2015. – maj 2016. godina (Head of the Project)</li> <li>• „MOGUĆNOST PROIZVODNJE MULITA IZ DOMAĆIH SIROVINA“. Projekat je finansiran od Federalnog ministarstva obrazovanja i nauke, a realizovan je u u periodu mart 2014. – mart 2015. godina. Voditelj projekta je dr. sc. Marina Jovanović.</li> <li>• „UVOĐENJE STUDENATA U NAUČNO-ISTRAŽIVAČKI RAD“. Projekat je finansiran od Federalnog ministarstva obrazovanja i nauke, a realizovan je u u periodu mart 2014. – oktobar 2014. godina. Voditelj projekta je dr. sc. Marina Jovanović.</li> <li>• TEMPUS PROJEKAT „BENCHMARKING AS A TOOL FOR IMPROVEMENT OF HIGHER EDUCATION PERFORMANCE“, ( <a href="http://projects.odisee.be/BIHTEK">http://projects.odisee.be/BIHTEK</a>), 2014-2016. godina</li> <li>• TEMPUS PROJEKAT “BOSANSKOHERCEGOVAČKI KVALIFIKACIJSKI OKVIR ZA VISOKO OBRAZOVANJE – BHOQFHE“, (<a href="http://www.bhoqfhe.eu">www.bhoqfhe.eu</a>), 2014-2016. godina</li> <li>• „ISPITIVANJE MOGUĆNOSTI KORIŠTENJA KREČNJAKA I LAPORCA IZ LEŽIŠTA KOJA PRIPADAJU TERMOELEKTRANI GACKO ZA PROIZVODNJU KAMENIH AGREGATA ZA BETONE I MALTERE“, 2011. godina:</li> <li>• „PRIMJENA EFP TE GACKO U GRAĐEVINSKIM MATERIJALIMA“, 2010. godina:</li> <li>• „ANALIZA ELEKTROFILTERSKOG PEPELA TERMOELEKTRANE GACKO“, 2009.godina</li> <li>• IZRADA TEHNIČKO-TEHNOLOŠKOG ELABORATA POGONA ZA PROIZVODNJU SUHIH I TEČNIH MATERIJALA ZA ZAVRSNE RADOVE U GRAĐEVINARSTVU ZA POTREBE FIRME „KARBON-NOVA“ SARAJEVO, 2008. godina:</li> <li>• „OSNIVANJE CENTRA ZA IZVRSNOST U DRVOPRERADI NA UNIVERZITETU U ZENICI“, Univerzitet u Zenici, REZ, The Bern University of Applied Sciences / Arhitecture, Wood and Civil Engineering, 2007/08 godina:</li> <li>• „IMPLEMENTACIJA SISTEMA KVALITETA NA UNIVERZITETU U ZENICI“, Univerzitet u Zenici, 2006.godina - :</li> <li>• „BRAIN GAIN PROGRAM 2005/2007“, WUS Austria, 2005/07. godina:</li> </ul>
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