

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Hasanagić Redžo**  
Address(es) Čoralići 570, 77220 Cazin, Bosnia and Herzegovina  
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redzo.hasanagic@unbi.ba  
Nationality Bosnia and Herzegovina  
Date of birth 12.10.1988.  
Gender Male

### Websites & social links

(CTRL+Click to follow/link)

**Researchgate:** <https://www.researchgate.net/profile/Redzo-Hasanagic>  
**Google Scholar:** <https://scholar.google.hr/citations?hl=hr&user=ygEMJagAAAAJ>  
**Clarivate:** <https://www.webofscience.com/wos/author/record/2245086>  
**ORCID:** <https://orcid.org/my-orcid?orcid=0000-0001-7439-0564>  
**E-CRIS:** <https://cris.cobiss.net/ecris/bh/bs/researcher/8264>  
**Rescognito:** <https://rescognito.com/0000-0001-7439-0564>  
**Linkedin:** <https://www.linkedin.com/in/red%C5%BEO-hasanagi%C4%87-734053163/>

### Desired employment / Occupational field

#### Work experience

Dates	29.01.2021. →
Occupation or position held	Assistant Professor
Main activities and responsibilities	Coordination activities for the next section: Wood product technology
Name and address of employer	Faculty of Technical Engineering, University of Bihać, Ljubijankićeva bb, 77000 Bihać
Type of business or sector	Education and Research
Dates	09.10.2020. →
Occupation or position held	President - Independent Trade Union of Higher Education and Science of Bosnia and Herzegovina
Name and address of employer	(Branch Technical Faculty Bihać) Faculty of Technical Engineering, University of Bihać, Ljubijankićeva bb, 77000 Bihać
Dates	06.09.2016. → 29.01.2021.
Occupation or position held	Senior teaching assistant
Main activities and responsibilities	Coordination activities for the next section: Processing techniques for wood processing
Name and address of employer	Faculty of Technical Engineering, University of Bihać, Ljubijankićeva bb, 77000 Bihać
Type of business or sector	Education and Research
Dates	13.11.2014. → 06.09.2016.
Occupation or position held	External collaborator
Main activities and responsibilities	Coordination activities for the next section: Processing techniques for wood processing
Name and address of employer	Faculty of Technical Engineering, University of Bihać, Ljubijankićeva bb, 77000 Bihać
Type of business or sector	Education and Research
Dates	01.04.2012. → 01.11.2013.
Occupation or position held	Production Manager

Main activities and responsibilities Organization of work, preparation of production, organization of arrival of materials needed for production

Name and address of employer DOO Parquet factory "Bozzy", Kovačevići bb, 77220 Cazin

Type of business or sector Wood industry

**Education and training**

Dates 07.06.2017. - 20.10.2020.

Title of qualification awarded Doctor of Technical Sciences

Principal subjects/occupational skills covered in the field of wood product technology

Name and type of organisation providing education and training Technical Faculty, University of Bihać

Level in national or international classification PhD study (III cycle)

Dates 01.12.2011. – 04.09.2014.

Title of qualification awarded Master of wood industry

Principal subjects/occupational skills covered -

Name and type of organisation providing education and training Technical Faculty, University of Bihać

Level in national or international classification Masters study (II cycle)

Dates 20.09.2007. – 13.10.2011.

Title of qualification awarded Bachelor wood industry

Principal subjects/occupational skills covered

Name and type of organisation providing education and training Tehnical Faculty, University of Bihać

Level in national or international classification Bachelor study (I cycle)

**Personal skills and competences**

Mother tongue(s) **Bosnian**

Other language(s) **English and German**

Self-assessment  
*European level (\*)*

**English**

**German**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Upper Intermediate	B2	Upper Intermediate	B2	Upper Intermediate	B2	Upper intermediate	B2	Upper Intermediate
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(\*) *Common European Framework of Reference for Languages*

Social skills and competences Good social and communication skills thanks to direct interaction with students through teaching. Devoted to teamwork.

Organisational skills and competences Member of the Council for Science of the Una-Sana Canton since May 16, 2023 (Decision number: 10-02-7760-17/22).

Corporate members International Research Group on Wood Protection (IRGWP)  
Member of the Organizing Committee of the International Conference „DEVELOPMENT AND MODERNIZATION OF PRODUCTION“2019, 2021, 2023

Computer skills and competences

- good command of Microsoft Office™ tools
- good command CAD software: Auto CAD Mechanical Desktop 6, Sketch UP, PRO 100

Driving licence C

### Additional information

#### Professional training and instruction:

1. **Supply Chain Management Wood/Furniture Industry** – Webinar 16-17.05.2023.
2. International Research Group on Wood Protection - IRGWP 3rd Webinar 21.11.2022.
3. **Ron Cockroft Award (RCA) 2022** - International awareness of developments in research in wood protection - 2022
4. **Bilateral scholarship of the Government of the Republic of Slovenia 2019-20129 (CMEPIUS)** 01.12.2019. - 29.02.2020. years
5. **Directorate for European Integration BiH**-Project Cycle Management and project preparation-advanced course, April 2018
6. **CE marking for the wood processing sector organized by ECOS** (Institute for Education of the Foreign Trade Chamber of Bosnia and Herzegovina) in cooperation with USAID Sida FIRMA Project, December 2012

#### Participation in the projects:

1. Assessment of the Structural Integrity of Cultural Objects in Bosnia and Herzegovina (Una-Sana Canton) Using Non-Destructive Testing Methods. Co-financing of scientific research and research and development projects in the Una-Sana Canton by the Ministry of Education, Science, Culture, and Sports of the Una-Sana Canton, 2023
2. Erasmus+ Project No 101081724 "Curricula innovation in climate-smart urban development based on green and energy efficiency with the non-academic sector – SmartWB", 2023-2025.,
3. COST Actions- Towards zero Pesticide AGRiculture : European Network for sustainability;2022-2026
4. Federal Ministry of Education and Science - Accreditation of the laboratory for testing building materials; in 2022
5. **Institute for International Cooperation of the German Association of National High Schools** - DVV International - Coordinator for the establishment of the Information System for the Control of Adult Education and Monitoring - ISKOOM USK
6. **Modeling of influence of preparation of environmentally friendly thermally modified wood on its mechanical properties and its durability**- Modeling parameters TMD, Joint scientific research projects within the framework of scientific and technological cooperation between BiH and the Republic of Slovenia in 2019 and 2020
7. **Sprungbrett** - a joint international project implemented by four higher education institutions: University of Bern (Switzerland), University of St. Petersburg (Russia), University of Skopje (Macedonia) and Technical Faculty of the University of Bihać.

#### List of published book:

1. Degradacija drveta i metode zaštite – **Redžo Hasanagić**, Atif Hodžić, Nedim Hurem, University of Bihać - Faculty of Engineering, ISBN 978-9926-508-02-9
2. Konstrukcije proizvoda od drveta – Salah Eldien Omer, **Redžo Hasanagić**, University of Bihać - Faculty of Engineering, ISBN 978-9958-533-14-3

#### List of published (or accepted for publishing) works in journals:

1. Mehrdad Ghodskhah Daryaei, Zahra Moradi, Leila Fathi, **Redžo Hasanagić**, Miha Humar, Mohsen Bahmani, Material resistance and moisture dynamic of beech wood (Fagus Orientalis), Bulletin of the Transilvania University of Braşov, Accepted 16.10.2023.
2. **Redžo Hasanagić**, Leila Fathi, Mostafa Sefidruh, Mohsen Bahmani and Miha Humar, Mechanical performance of heat-treated Norway spruce (lat. Picea abies) wood, Bulletin of the

- Transilvania University of Braşov, Accepted 21.08.2023
3. Yang Li, Tao Yao, Yong Zhu, Shengquan Liu, Zuju Shu, **Redžo Hasanagić**, Leila Fathi, Demiao Chu, Thermal Modification Intensity of the Heat-treated Poplar Wood. Part 1: Characterization and Predication of Surface Layer, Accepted 09.10.2023
  4. Yang Li, Tao Yao, Yong Zhu, Shengquan Liu, Zuju Shu, **Redžo Hasanagić**, Leila Fathi, Demiao Chu, Thermal Modification Intensity of the Heat-treated Poplar Wood. Part 2: Characterization and Predication from Outside to Core Layers, Accepted 25.09.2023
  5. Boštjan Lesar, **Redžo Hasanagić**, Mohsen Bahmani, Miha Humar, Assessment of the Condition of Wooden Mills in the Area of Kovačevići in Bosnia and Herzegovina, *Drvna industrija* journal, Accepted 18.08.2023
  6. Demiao Chu, **Redžo Hasanagić**, Leila Fathi, Mohsen Bahmani and Miha Humar, Water Absorption Capacity and Coating Adhesion on Thermally Modified and Not-Modified Spruce Wood (Blue Stained or Free of Blue Stained), *Journal of Renewable Materials*, Vol.11, No.12, pp. 4061-4078, 2023, DOI:10.32604/jrm.2023.043657
  7. **Redžo Hasanagić**, Mohsen Bahmani, Leila Fathi, Atif Hodžić, Physical and mechanical changes in thermal modified wood: a review, *Zaštita materijala*, 64 (3) 314- 326 (2023). <https://doi.org/10.5937/zasmat2303314H>
  8. Huijun Dong, **Redžo Hasanagić**, Leila Fathi, Mohsen Bahmani, Davor Kržišnik, Eli Keržič, Miha Humar, Selected Mechanical and Physical Properties of Thermally Modified Wood after Field Exposure Tests, *Forests* 2023, 14(5), 1006; <https://doi.org/10.3390/f14051006>
  9. **Redžo Hasanagić**, Leila Fathi, Zinaid Kapić, Mohsen Bahmani, Aladin Crnkić, Bahrudin Hrnjica, Miha Humar, Experimental and numerical determination of the longitudinal modulus of elasticity in wooden structures, *Drewno* 2022, Vol. 65, No. 210, doi: 10.12841/wood.1644-3985.421.10
  10. Leila Fathi, Nedim Hurem, **Redžo Hasanagić**, Mohsen Bahmani, Risk Possibility of Plane trees in Chahār Bāgh Abbasi Street of Isfahan, *International Journal of Environmental & Agriculture Research (IJOEAR)*, doi: 10.5281/zenodo.7496501
  11. Demiao Chu, Dianen Liang, Zhenhao Ding, **Redžo Hasanagić**, Leila Fathi, Zi Yang, Longhao Li, Jianbo Wang; Houye Luo, Qian Wang, Qilin Yan, *A primary study on improvement of heat-treated wood via calcium carbonate in-situ reinforcement*, *Journal of Renewable Materials*, doi:10.32604/jrm.2022.023214; (This article belongs to this Special Issue: Functionalization of Wood and Bamboo-Based Materials)
  12. Leila Fathi, **Redžo Hasanagić**, Yaghoob Iranmanesh, Nadia Zahabi, Miha Humar, Mohsen Bahmani, Physical and chemical properties of three wild almond wood species grown in zagros forests, *Les/Wood*, 71(1):23-30, doi: 10.26614/les-wood.2022.v71n01a03
  13. **Redžo Hasanagić**, *Optimization of thermal modification of wood by genetic algorithm and classical mathematical analysis*, *Journal of Forest Science* 2022, 68: 35–45; doi: 10.17221/95/2021-JFS
  14. Demiao Chu, **Redžo Hasanagić**, Atif Hodžić, Davor Kržišnik, Damir Hodžić, Mohsen Bahmani, Marko Petrič, Miha Humar, *Application of Temperature and Process Duration as a Method for Predicting the Mechanical Properties of Thermally Modified Timber*, *Forests* 2022, 13(2), 217; doi:10.3390/f13020217; (This article belongs to the Special Issue Thermal Modification of Wood: Process and Properties)
  15. **Redžo Hasanagić**, Atif Hodžić i Aldin Bjelić, *Mathematical modelling of the surface roughness in orthogonal cutting of the massive wood*, Taylor & Francis, *Wood material science & engineering*, pp. 74-80, 2021, doi: 10.1080/17480272.2019.1608297
  16. **Redžo Hasanagić**, Atif Hodžić i Milan Jurković, *Modelling and optimization of tensile break force of solid wood elements lengthened by finger joint*, Taylor & Francis, *Journal of Adhesion Science and Technology*, 34 (9) 2020, doi: 10.1080/01694243.2019.1690266
  17. **Redžo Hasanagić**, *Modeliranje sile loma na zatezanje elemenata od masivnog drveta genetskim programiranjem*, *Časopis Tehnika Beograd*, Vol. 73, No.5, pp. 653-657, 2018, doi: 10.5937/tehnika1805653H

#### List of published papers at conferences:

1. Damir Hodžić, Aladin Crnkić, Husein Rošić and **Redžo Hasanagić**, The 23 Factorial Design in R, 11th International Conference on Applied Sciences (ICAS 2023), Accepted 16.11.2023.
2. Umejr Šljivo, **Redžo Hasanagić**, Leila Fathi and Mohsen Bahmani, Comparative Analysis of Bending Strength Properties between Glued and Un-Glued Finger Joints in Beech and Fir Wood Species, *IOP Conf. Ser.: Mater. Sci. Eng.* 2023., Accepted
3. **Redžo Hasanagić**, Leila Fathi, Mostafa Sefidruh and Mohsen Bahmani, Natural Alternatives to Chemical Wood Preservatives: A Review of Recent Research, *IOP Conf. Ser.: Mater. Sci. Eng.*

2023. Accepted
4. Leila Fathi, **Redžo Hasanagić**, Aldin Bjelić and Mohsen Bahmani, Performance of Coconut Wood in Timber Structures: A Review of Its Properties and Applications, IOP Conf. Ser.: Mater. Sci. Eng. 2023.
  5. Damir Hodžić, Aladin Crnkić, Husein Rošić, **Redžo Hasanagić**, The 23 Factorial Design in R, International Conference on Applied Sciences – ICAS 2023, ISSN 2784-2797
  6. Irvina Šahinović, Husein Rošić, Leila Fathi, Damir Hodžić, Aladin Crnkić and **Redžo Hasanagić**, Exploring the Strength of Wood: Measuring Longitudinal Modulus of Elasticity in Structural Applications, Advanced Technologies, Systems, and Applications VIII 2023, doi.org/10.1007/978-3-031-43056-5\_34
  7. **Redžo Hasanagić**, Mohsen Bahmani, Miha Humar, Leila Fathi, Lili Cai, Short-Term Absorption of Water and Coatings on Thermally Modified Blue- Stained Spruce Wood, IRG54-The International Research Group on Wood Protection, Cairns, Australia, May-June 2023, IRG/WP 22-40945, ISSN
  8. **Redžo Hasanagić**, Mohsen Bahmani, Leila Fathi, Miha Humar, Mechanical Properties of Thermally Modified Wood after twelve Months of Field Exposure, IRG53-The International Research Group on Wood Protection, Slovenia, Bled, May-June 2022, IRG/WP 22-40945, ISSN 2000-8953
  9. **Redžo Hasanagić**, Sauradipta Ganguly, Ermin Bajramović and Adem Hasanagić, *Mechanical properties changes in fir wood (abies sp.), linden wood (tilia sp.), and beech wood (fagus sp.) subjected to various thermal modification process conditions*, IOP Conf. Ser.: Mater. Sci. Eng. 2021. 1208 012025, doi: 10.1088/1757-899X/1208/1/012025
  10. Ermin Bajramović, Bahrudin Hrnjica, **Redžo Hasanagić**, Emir Bajramović, *Pressure stress modeling on expanded polystyrene materials using genetic programming* IOP Conf. Ser.: Mater. Sci. Eng. 2021. 1208 012013, doi: 10.1088/1757-899X/1208/1/012013
  11. Bahrudin Hrnjica, Ali Danandeh Mehr, Esad Jakupovic, Aladin Crnkić, **Redžo Hasanagić**, *Application of Deep Learning Neural Networks for Nitrate Prediction in the Una River, Bosnia and Herzegovina*, The 7th International Conference on Control, Instrumentation, and Automation (ICCIA2020), University of Tabriz- Iran, February 23-24.2021., Date Added to IEEE Xplore: 16 April 2021, DOI: 10.1109/ICCIA52082.2021.9403565
  12. **Redžo Hasanagić**, *Thermal modified wood: a critical review/Termička modifikacija drveta: Kritički pregled*, 12<sup>th</sup> International Scientific Conference on Production Engineering Development and modernization of production RIM 2019, Sarajevo, Bosnia and Herzegovina, September 2019 (ISSN 2566-328)
  13. Atif Hodžić, **Redžo Hasanagić**, *Comparative analysis of conventional and vacuum drying of sawn timber/Uporedna analiza konvencionalnog i vakuumskeg sušenja piljene građe*, 12<sup>th</sup> International Scientific Conference on Production Engineering Development and modernization of production RIM 2019, Sarajevo, Bosnia and Herzegovina, September 2019 (ISSN 2566-328)
  14. Atif Hodžić, **Redžo Hasanagić**, *Renewable energy sources in the wood drying process/Obnovljivi izvori energije u procesu sušenja drveta*, 32. Međunarodni kongres o procesnom inženjerstvu - Procesing '19 (ISBN 978-86-81505-94-6)
  15. **Redžo Hasanagić**, Salah E.Omer, Atif Hodžić, *3D vizualizacija namještaja i proizvoda od drveta*, 11. International Scientific Conference on Production Engineering Development and modernization of production RIM 2017, Sarajevo, Bosnia and Herzegovina, September 2017 (ISSN 2566-3275)
  16. Atif Hodžić, Fadil Islamović, **Redžo Hasanagić**, *Eksperimentalna analiza vještačkog sušenja sa stanovišta načina vođenja procesa sušenja*, 30. Međunarodni kongres o procesnom inženjerstvu - Procesing '17 (ISBN 978-86-81505-81-6)
  17. Atif Hodžić, **Redžo Hasanagić**, *Matematičko modeliranje sile loma na istezanje masivnog drveta produženog sa zupčastim vezom*, 30. Međunarodni kongres o procesnom inženjerstvu - Procesing '17 (ISBN 978-86-81505-81-6)
  18. Husein Rošić, Atif Hodžić, **Hasanagić Redžo**, *Impact of technical - technological development on security in work/Utjecaj tehničko-tehnološkog razvoja na bezbjednost u radu*, 6<sup>th</sup> International Conference ERGONOMICS, Zadar 2016 (ISSN 1848-5731)
  19. Minka Čehić, Atif Hodžić, **Redžo Hasanagić**, *Nove tehnologije za preradu drveta u funkciji povećanja kvalitete proizvoda*, 10. International Scientific Conference on Production Engineering Development and modernization of production RIM 2015, Dubrovnik 2015 (ISBN 995861734-X)
  20. **Redžo Hasanagić**, Adela Gluhalić, *The exposure to the carcinogen dust in timber industry/Izloženost karcinomskoj prašini u drvnoj industriji*, 5<sup>th</sup> International Conference ERGONOMICS 2013, Zadar 2013 (ISSN 1848-5731)
  21. Mirza Hadžalić, **Redžo Hasanagić**, *Modeliranje i optimizacija sile otvaranja zavarenog spoja*

na mašini za pakovanje termoformiranjem, 9. International Scientific Conference on Production Engineering Development and modernization of production RIM 2013, Budva, Montenegro, Septembar 2013 (ISBN 995861734-X)

22. **Redžo Hasanagić**, Atif Hodžić, Minka Čehić, *Utjecajni parametri na čvrstoću zalijepljenog spoja s zupčastim vezom*, 9. International Scientific Conference on Production Engineering Development and modernization of production RIM 2013, Budva, Montenegro, Septembar 2013 (ISBN 995861734-X)
23. **Redžo Hasanagić**, Mirza Hadžalić, *Raspored mašina i uređaja i izbor optimalnog rješenja*, 9. International Scientific Conference on Production Engineering Development and modernization of production RIM RIM 2013, Budva, Montenegro, Septembar 2013 (ISBN 995861734-X)
24. **Redžo Hasanagić**, Minka Čehić, Salah Eldien Omer, *Influencing parameters in selecting the type of floor and kind of adhesive in wooden facilities*, Wood Technology & Product Desing, May 2013 (ISBN 978-608-4723-00-4)
25. **Redžo Hasanagić**, Neila Fetić, Ekrem Nezirević, *Computer modelling and tool constructing for layered wood modelling*, Sprungbrett-Internationale Studierendenkonferenz, Sankt Peterburgu, 29 may 2013 (ISBN 978-57422-3935-2)

#### **Conference paper without publication:**

1. Redžo Hasanagić, Conference at the Faculty of Engineering, University of Bihac within the framework of the bilateral project Bosnia and Herzegovina - Slovenia, Bilateral project BiH - Slovenia entitled: „Modelling of influences of preparation of environmentally friendly thermally modified wood on its mechanical properties and its durability“, Topic of presentation: Optimization of thermal modification parameters of wood structure and their influence on bending and tensile strength, 10/25/2019. years

#### **Peer review:**

1. Review activity for Forests. (6)
2. Review activity for Drvna industrija. (1)
3. Review activity for Maderas. (1)
4. Review activity for Billetin. (1)
5. Review activity for Mechanics of Time-Dependent Materials. (1)
6. Review activity for IOP (4)
7. Review activity for Development and modernization Of the manufacturing (3)

#### **Secondary Authorship:**

#### **Technical Editor:**

1. Hasanagić, Redžo. Technical Editor of Proceedings of the 12th International Scientific Conference on Production Engineering RIM 2019, 2021, 2023, ISSN 2566-328.
2. Hasanagić, Redžo. Technical Editor of Abstracts Proceedings of the 12th International Scientific Conference on Production Engineering RIM 2019, 2021, 2023, , ISSN 2566-3257.

#### **Doctoral Thesis Supervisor:**

#### **Masters Thesis Supervisor:**

#### **Undergraduate Thesis Supervisor:**

1. Mujanić Selma- Unaprjeđenje proizvodnog procesa kroz automatizaciju-studija slučaja primjene CAD softwer; 29.09.2023. godine
2. Ismar Hajrulahović -Aanaliza higroskopnosti termički modificiranog drveta; 21.07.2022. godine
3. Nedžib Mehić - Procesi modifikacije drveta temeljeni na toploti; 21.03.2022. godine
4. Rejhan Bajramović - Tehnološki proces proizvodnje korpurnog namještaja; 21.12.2021. godine

#### **Doctoral Thesis Committee Member:**

**Masters Thesis Committee Member:**


1. Fatemeh Ebrahimi – Department of Natural Resources and Earth Science, Shahrekord University, Shahrekord, 64165478, Iran – AMYGDALUS HAUSSKNECHTII AND AMYGDALUS ELAEAGNIFOLIA IN CHAHARMAHAL VA BAKHTIARI PROVINCE FORESTS (2019/Ref.110/3510102) -13.01.2022

**Undergraduate Thesis Committee Member:****Member of the Masters Thesis Committee:**

1. Hrnjica Sanela-Modeliranje i optimizacija hrapavosti površine elemenata od aluminija obrađenog na CNC; 22.06.2023. godine

**Member of the Undergraduate Thesis Committee:**

1. Koričić Haris – Kvalitet lijepljenja drvenih vrata, 19.10.2023. god.
2. Alibašić Nejra - Drveni zidovi, 30.01.2023. god
3. Eminić Azra - Primjena genetskog algoritma za rješavanje problema optimizacije u programskom jeziku Matlab, 18.11.2021. god
4. Đuzelić Asim - Analiza nosača složenog poprečnog presjeka prema EC5 iz predmeta Drvene konstrukcije, 16.09.2021. god.
5. Šahinović Armin - Biomasa kao obnovljivi izvor energije iz predmeta Pilanska prerada drveta; 09.07.2021. god.
6. Asmir Suljadžić - Pločasti materijali na bazi drveta za izradu korpusnog namještaja iz predmeta Iverice i vlaknatice; 06.04.2021. god.



Redžo Hasanagić, PhD