



**EUROPEAN  
CURRICULUM VITAE  
FORMAT**

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## PERSONAL INFORMATIONS

Surname and name	<b>Vrdoljak Anton</b>	
Address	Job:	University of Mostar, Faculty of Civil Engineering, Architecture and Geodesy, Matice hrvatske b.b., 88000 Mostar, B&H
	Home:	M. Arapa 23, 88000 Mostar, B&H
Telephone	+387 36 570 185, +387 36 355 033	
Mobile phone	+387 63 327 586	
Fax	+387 36 355 001	
E-mail address	<a href="mailto:anton.vrdoljak@fgag.sum.ba">anton.vrdoljak@fgag.sum.ba</a> ; <a href="mailto:anton.vrdoljak@gmail.com">anton.vrdoljak@gmail.com</a>	
Web address	<a href="https://fgag.sum.ba/en/people/teachers">https://fgag.sum.ba/en/people/teachers</a>	
Nationality	Croat	
Citizenship/s	Bosnia and Herzegovina, Republic of Croatia	
Date of birth	13 <sup>th</sup> June 1974	
Sex	M	

## WORK EXPERIENCE

Dates (since – to)	2025 – now
Profession or work place	Assistant Professor
Main activities and responsibilities	Assistant Professor at the (Under)Graduate study in Civil Engineering, Architecture & Urbanism, and Geodesy & Geoinformatics.
Name and address of employer	University of Mostar, <b>organizational unit Faculty of Civil Engineering</b> Matice hrvatske b.b., 88000 Mostar, Bosnia and Herzegovina
Type of business or sector	Mathematics, Applied Mathematics

Dates (since – to)	2000 – 2023 – 2025
Profession or work place	Lecturer, Senior Assistant, IT
Main activities and responsibilities	Lecturer and Senior Assistant at the (Under)Graduate study in Civil Engineering, Architecture & Urbanism, and Geodesy & Geoinformatics.
Name and address of employer	University of Mostar, <b>organizational unit Faculty of Civil Engineering</b> Matice hrvatske b.b., 88000 Mostar, Bosnia and Herzegovina
Type of business or sector	Mathematics, Applied Mathematics, IT

Dates (since – to)	1999 – 2000
Profession or work place	High school Math teacher
Main activities	High school teacher, Class teacher
Name and address of employer	Gymnasium fra Grge Martića Mostar Kralja Tomislava 9a, 88000 Mostar, Bosnia and Herzegovina
Type of business or sector	Mathematics

Dates (since – to)	1998 – 1999
Profession or work place	Primary school Math & Physics teacher
Main activities	Primary school teacher, Class teacher



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Name and address of employer	Primary school kralja Zvonimira Seget Donji, Hrvatskih žrtava 92, 21218 Seget, Republic of Croatia
Type of business or sector	Mathematics and physics

**EDUCATION AND  
TRAINING**

Title	Doctor of Mathematical Sciences (Ph. D. in Mathematics)
Date	2025
Institution	University of Sarajevo, Faculty of Science
Place	Sarajevo, Bosnia and Herzegovina

Title	Master of Mathematics education, M. Phil. (M. Sc. Math Edu.)
Date	2009
Institution	University of East Sarajevo, Faculty of Philosophy
Place	Pale, Republic of Srpska, Bosnia and Herzegovina

Title	Graduated high school math & physics teacher (B. Sc. Math & Physics)
Datum	1999
Institution	University of Split, The Faculty of Science
Place	Split, Republic of Croatia

**SPECIALIZATION**

Title	Didactics of Mathematics & Informatics
Date	2006
Institution	University of Tsukuba / Tsukuba daigaku, Center for Research on International Cooperation in Educational Development (CRICED)
Place	Tsukuba, Japan

**PERSONAL SKILLS  
AND COMPETENCES**

Mother tongue	Croatian
Other language/s	
Language	English
Listening / Reading / Writing	(B2) / (B2) / (B2)
Spoken interaction/production	(B2) / (B2)


<b>SOCIAL SKILLS AND COMPETENCES</b>	Team spirit. Good communication skills.
<b>ORGANIZATIONAL SKILLS AND COMPETENCE</b>	Good organizational skills. Experience in managing various projects and teams, with an accent on projects co-funded by EU.
<b>TECHNICAL SKILLS AND</b>	The management of quality control processes (Chairman "Committee on Assurance and Quality Improvement of Faculty of Civil



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<b>COMPETENCES</b>	Engineering University of Mostar"), and processes regarding international relations; Developing and implementation of IS3 system; Developing and implementation models of ICT-tools in teaching mathematics. Developing and implementation of several tools for engineers.
<b>COMPUTER SKILLS AND COMPETENCES</b>	The skilled use of Microsoft Office tools (Word, Excel, PowerPoint); The skilled use of developer tools in MS Visual studio package (C#); The skilled use of various ICT tools such are Adobe (Flash & ActionScript), GeoGebra, MathCad, Python (Spyder & PythonScript), as well as vector graphics tools (Corel, Inkscape...); Basic experience & skills in working with math tool TeX; An active Wikipedia contributor in Croatian & English.
<b>ARTISTIC SKILLS AND COMPETENCE</b>	Participation in the editorial projects (Monograph of the Faculty, Proceedings of 3 <sup>rd</sup> meeting of junior researchers – ZAJEDNIČKI TEMELJI 2015, Self-evaluation of the Faculty (2016, 2023), and Yearbook of the Faculty (2017, 2018, 2019, 2020, 2021 and 2022)).
<b>OTHER SKILLS AND COMPETENCE</b>	–
<b>DRIVING LICENCE</b>	"B" category
<b>ADDITIONAL INFORMATION</b>	<p>Participation and creating numerous information–presentation systems on the Internet (Astronomical section of Physical Society Split, Faculty of Civil Engineering University of Mostar, Municipalities Stolac &amp; Neum, Learning portal: Mathematics ONLINE, Implementation models of ICT-tools in teaching mathematics, 3<sup>rd</sup> meeting of junior researchers – ZAJEDNIČKI TEMELJI 2015, Committee on Assurance and Quality Improvement at Faculty of Civil Engineering University of Mostar, SE Calc). Recipient of the Dean's Award (2015 &amp; 2019). Author and/or co–author of scientific–popular lectures in the field of applied mathematics. The leader of workshops regarding e-learning application in the educational process, and promotion of internationalization/mobility. Participation in numerous international conferences/programs in the field of internationalization, mobility and quality assurance of higher education. Academic Corner: <a href="https://antonvrdoljak.netlify.app/">https://antonvrdoljak.netlify.app/</a></p> <div> Follow me on ResearchGate</div>
<b>MEMBERSHIP IN ASSOCIATIONS</b>	Astronomical section of Physical Society Split
<b>ATTACHMENTS</b>	<p>I. Projects and studies II. More important publications III. Editorial projects</p>

**SIGNATURE**



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## **ATTACHMENTS**

### **I. Projects and studies**

1. Information–presentation system for Astronomical section of Physical Society Split on Internet (1997 – 1999) – *Architect*
  2. Information–presentation system for Faculty of Civil Engineering University of Mostar on Internet (2000 – 2009) – *Architect*
  3. Development of cadaster of illegal dumps and landfills in the area of Herzegovina–Neretva & West–Herzegovina Counties (2001) – *Project associate*
  4. Development of software regarding exams registration over the Internet at Faculty of Civil Engineering University of Mostar (2001) – *Architect*
  5. Spatial information–presentation system for factory "ALUMINIJ" Mostar (2001) – *Project associate*
  6. Systematic development of coast and marine resources for B&H (2002) – *Project associate*
  7. Information–presentation system for Stolac Municipality on Internet (2002) – *Architect*
  8. Information–presentation system for Neum Municipality on Internet (2002 – 2006) – *Architect*
  9. The leader of the team for technical support at International scientific Symposium: "VODA U KRŠU SLIVOVA CETINE, NERETVE I TREBIŠNJICE", Neum, September 25–27, 2003.
  10. The study of road transport system in the Hercegovina–Neretva County (2003) – *Project Associate*
  11. Neum – Regional system for waste water and solid waste management (2003 – 2004) – *Project Associate*
  12. Development of software regarding exams registration over the Internet at School of Health Studies University of Mostar (2004) – *Architect*
  13. The establishment of a single information system of student services at the University of Mostar (2004) – *Project associate*
  14. Information–presentation system for Faculty of Agriculture University of Mostar on Internet (2005) – *Architect*
  15. The leader of the team for technical support at 1<sup>st</sup> International scientific Symposium: "BLIDINJE 2005", Blidinje, September 16–17, 2005.
  16. Matematika ONLINE – project developed in collaboration with JICA (Japanese International Cooperation Agency), CRICED–office at University of Tsukuba, Japan, and Bosnia & Herzegovina (2004 – 2007) – *Project associate*
  17. Development of service for live observation of the construction a new building for the Faculty of Civil Engineering University of Mostar, within the campus of the University of Mostar (2007 – 2008) – *Architect*
  18. Development of BH version for software to plot and graph functions: GRAPES – GRAPh Presentation & Experiment System (2007 – 2008) – *Project associate*
  19. The study on disposal of animal waste in the West–Herzegovina County (2008) – *Project associate*
  20. Implementation models of ICT–tools in teaching mathematics (2008 – 2009) – *Architect*
  21. Developing and implementation of IS3 system (2010 – 2011) – *Architect*
  22. Multi–agent communication in the transfer of mathematical and computer knowledge (2010 – 2011) – *Project associate*
  23. Development of software for determining the buckling coefficient and the coefficient of subgrade reaction (2012 – 2013), [https://antonvrdoljak.netlify.app/project/beta\\_calc/](https://antonvrdoljak.netlify.app/project/beta_calc/) – *Project associate*
  24. The member of the team on the strategic IPA project BALMAS – Ballast water management for Adriatic Sea protection (2013 – 2016)
- The project is co–funded by the European Union**
25. The Presidency of the organizing committee for the implementation of the third meeting of junior researchers: ZAJEDNIČKI TEMELJI 2015, <https://www2008.gf.sum.ba/zajednicki-temelji/>
  26. Information–presentation system for Committee on Assurance and Quality Improvement at Faculty of Civil Engineering University of Mostar on Internet (2015), <https://www2008.gf.sum.ba/osiguranje-kvalitete/> – *Architect*
  27. The member of the team for technical support at 2<sup>nd</sup> International scientific Symposium: "BLIDINJE 2015", Blidinje, October 9–11, 2015.
  28. The leader of the team for technical support at International scientific Symposium: "DEMOGRAFSKA KRIZA HRVATSKOG NARODA U BOSNI I HERCEGOVINI", HAZU B&H, Mostar, April 15, 2016.
  29. Development of software–tool SE Calc (2016), and information–presentation system for this tool on Internet (2016), [https://antonvrdoljak.netlify.app/project/se\\_calc/](https://antonvrdoljak.netlify.app/project/se_calc/) – *Project associate*



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30. Let's talk about Internationalisation!  
(ISTW–2018, Radboud University) – *Project associate*
31. 1001 cultures: communication between people with different cultural backgrounds,  
(ISTW–2018, Radboud University) – *Project associate*
32. Member of the Organizing Committee 3<sup>rd</sup> Stone Symposium: "HERCEGOVINA – ZEMLJA KAMENA",  
Mostar, 29th–30th June 2018.
33. KOD: Personal Income Calculator (Kalkulator osobnog dohotka) (2018) – *Architect*
34. Project Proposal ADRIASCAPE <Adriatic Cultural Landscape Observatory> jointly submitted in  
the framework of the 2<sup>nd</sup> Call for Proposals of the Interreg IPA Cross-border Cooperation  
Programme Croatia-Bosnia and Herzegovina-Montenegro 2014 – 2020 – *Project associate*
35. TRS: Weekly schedule/timetable (Tjedni raspored sati) (2019), <https://github.com/Vrda-GF/TRS>  
*Architect*
36. CEE Spring 2019: Education in Bosnia and Herzegovina (2019) – *Project associate*
37. Carbonara: Computer Aided Research Boosts Optimization, Numerical And Regression Analysis  
(2019), <https://github.com/Vrda-GF/Carbonara> – *Architect*
38. Animated Logo of the University of Mostar (2019), <https://doi.org/10.13140/RG.2.2.23570.20160> –  
*Architect*
39. SoC: Stacks of Coins (2019), <https://github.com/Vrda-GF/SoC> – *Architect*
40. The member of the team on the Erasmus+ CBHE project BK Stone – Higher Education–Enterprise  
platform for fostering, modernisation and sustainable growth in natural stone industry in Western  
Balkans (2019–2022), <https://bkstoneproject.com/>
40. MathLectures – YouTube (2020.) – *Architect*  
<https://www.youtube.com/channel/UCEn-EhKOu4Sf7qViM3mgHkw/>
42. The member of the team on the Erasmus+ project inAmath – An interdisciplinary approach to  
mathematical education (2020–2023), <https://inamath.uniri.hr/>
43. Let's be all united for peace: Flawless Peace Alphabet (2022),  
<https://doi.org/10.13140/RG.2.2.19533.10725> – *Architect*
44. Member of the Organizing Committee 4<sup>th</sup> Stone Symposium: "HERCEGOVINA – ZEMLJA KAMENA",  
Mostar, 26th–27th May 2023.
45. Member of the Organizing Committee 13<sup>th</sup> Scientific-professional meeting: "GEO–EXPO 2023  
Mostar", Mostar, 19th–20th October 2023.
46. The member of the team on the Interreg Danube region project Sponge City – Improving urban  
climate change adaptation capacities by testing and promoting the „sponge city“ methodology on  
transnational level (2024–2026), <https://interreg-danube.eu/projects/spongecity>
47. The member of the team on the Interreg IPA project ClimBeach – Improving Coastal Areas  
Resilience to Climate Change Impacts and setting up Guidelines for Sustainable Beach  
Stabilization and Management (2024–2027), <https://interreg-hr-ba-me.eu/>



## II. More important publications

Publication Impact: [Google Scholar](#) (Citations = 127, h-index = 7, i10-index = 4)

ORCID iD: <https://orcid.org/0000-0002-0559-0981>

1. A. Vrdoljak, K. Aoyama, H. Yahara, M. Isoda: "Development of Mathematics Learning Contents with ICT: Focused on Complex Number Contents of "Interactive Lessons", Proceedings of the 30th annual meeting of JSSE (Japan Society for Science Education), pp. 265–266, Tsukuba, Japan, August 18–20, 2006, **ISSN**: 0913–4476, **DOI**: [https://doi.org/10.14935/jssep.30.0\\_265](https://doi.org/10.14935/jssep.30.0_265)
2. A. Vrdoljak, N. Bouz–Asal: "Learning portal: Mathematics ONLINE", The First Petra International Conference on Mathematics, PICOM 2007, Al–Hussein Bin Talal University, Ma'an, Jordan, October 24–25, 2007.
3. A. Vrdoljak, K. Rakić: "Role of lesson study in developing good mathematics teaching practice", Proceedings of the Faculty of Mechanical Engineering and Computing University of Mostar, pp. 105–113, Mostar, 2007.
4. A. Vrdoljak, N. Bouz–Asal: "The educational potential of learning portals The case of Mathematics ONLINE", The Third International Conference on Mathematical Science, ICM 2008, United Arab Emirates University, Al–Ain, UAE, March 3–6, 2008.
5. A. Vrdoljak, N. Bouz–Asal: "Digital Tools for Learning Mathematics", The Fourth Croatian Mathematical Congress, CroMC 2008, Department of Mathematics, University of Osijek, Osijek, Croatia, June 17–20, 2008.
6. A. Vrdoljak: "Interactive Mathematics Teaching Tools", 12th Serbian Mathematical Congress, Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia, August 28–September 2, 2008.
7. A. Vrdoljak: "On the computation of zeros of polynomials", International scientific Symposium "Modeling of Structures", University of Mostar, Faculty of Civil Engineering, Mostar, November 13–15, 2008.
8. A. Vrdoljak, M. Banjanin, J. Matković: "The educational potential of dynamic mathematics software: the case of GEOGEBRA", The XVIII Conference on Applied Mathematics, PRIM2009, Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad, Subotica, Serbia, May 25–27, 2009.
9. M. Banjanin, A. Vrdoljak: "Principles of designing instructive displays for the interaction man–system", The XVIII Conference on Applied Mathematics, PRIM2009, Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad, Subotica, Serbia, May 25–27, 2009.
10. M. Pikula, S. Maričić, A. Vrdoljak: "A comparative analysis of the curricula: The case of the multiculturalism in mathematics education on level of primary schools", First International Scientific Conference on "Multiculturalism in Education", Süleyman Demirel University, Isparta, Turkey, June 10–12, 2009.
11. A. Vrdoljak: "Implementation Models of ICT in Teaching of Complex Numbers", 3rd Nordic EWM Summer School for PhD Students in Mathematics, University of Turku, Turku, Finland, June 22–27, 2009, **ISBN**: 978-952-12-2279-5.
12. A. Vrdoljak: "Implementation models of ICT–tools in teaching mathematics (Implementacioni modeli ICT–alata u nastavi matematike)", Thesis for: Master thesis (Master of science), Faculty of Philosophy of East Sarajevo University, 2009, **DOI**: <https://doi.org/10.13140/RG.2.2.24907.95523/1>



13. A. Vrdoljak, M. Banjanin, K. Rakić: "Evaluating the Effectiveness of the Implemented Models of ICT Tools in Teaching Mathematics", The 4th International Conference "BUSINESS SYSTEMS MANAGEMENT" – UPS 2009, University of Mostar, Faculty of Mechanical Engineering and Computing, Mostar, December 3–5, 2009, **ISSN:** 1726-9679.  
(Paper published in ISI Proceedings „Annals and Proceedings of DAAAM“ for 2009)
14. A. Vrdoljak: "Proof of Euler's theorem from the 18th century and GeoGebra's proof from the 21st century", The First International Conference on Mathematics and Statistics, AUS–ICMS'10, The Department of Mathematics & Statistics, American University of Sharjah & The American Mathematical Society – AMS, Sharjah, UAE, March 18–21, 2010.
15. K. Rakić, V. Majstorović, A. Vrdoljak: "Design of Intelligent Learning Management System for High School Mathematics", MAT 2010, Faculty of Mechanical Engineering Mostar, Mostar, 2010.
16. A. Vrdoljak: "Advanced Visualization for Polynomial Regression Data Fit", International Balkans Conference on Challenges of Civil Engineering, BCCCE'11, EPOKA University, Tirana, Albania, 2011.
17. A. Vrdoljak: "Advanced Simulation for Solving Van der Waals' Equation", The Second International GeoGebra Conference, RISC |Research Institute for Symbolic Computation, Linz, Austria, August 29–31, 2011.
18. A. Vrdoljak: "The role of visualisation in the development of an effective classroom technique for teaching numerical algebra", 5th Croatian Mathematical Congress CroMC 2012 |University of Rijeka, Department of Mathematics, Rijeka, Croatia, June 18–21, 2012.
19. A. Vrdoljak: "Discrete mathematics and its applications in network analysis", e–ZBORNIK [10], University of Mostar, Faculty of Civil Engineering, Mostar, 2015, **ISSN:** 2232–9080.
20. M. Prskalo, A. Vrdoljak: "Analysis of settlement of foundation plates by finite difference method", Proceedings of the 27th DAAAM International Symposium, University of Mostar, Mostar, October 26–29, 2016, **DOI:** <https://doi.org/10.2507/27th.daaam.proceedings.123>
21. G. Prskalo, A. Vrdoljak, M. Kustura: "Development and establishment of ballast water management system for Adriatic sea protection", Proceedings of the 1st B&H Water Congress, Sarajevo, October 27–28, 2016.
22. A. Vrdoljak: "Structure of maximally balanced connected partition in graph", Proceedings of the 5th Conference of Young Researchers – COMMON FOUNDATIONS 2017, University of Zagreb, Faculty of Civil Engineering, Zagreb, September 18–19, 2017, **DOI:** <https://doi.org/10.5592/CO/ZT.2017.22>.
23. A. Vrdoljak: "Programmatically solution for MBCP problems", e–ZBORNIK [14] University of Mostar, Faculty of Civil Engineering, Mostar, 2017, **ISSN:** 2232–9080.
24. V. Akmadžić, A. Vrdoljak: "Determination of the soil reaction coefficient value – software solution", e–ZBORNIK [15] University of Mostar, Faculty of Civil Engineering, Mostar, 2018, **ISSN:** 2232–9080.
25. V. Akmadžić, A. Vrdoljak, M. Zelenika: "An overview of the terminology of traditional stone processing tools in Herzegovina", 3rd Symposium on stone "Hercegovina – zemlja kamena", University of Mostar, Faculty of Civil Engineering, Mostar, June 29–30, 2018, **ISSN:** 2303–5153.  
V. Akmadžić, A. Vrdoljak, M. Zelenika: "An overview of the terminology of traditional stone processing tools in Herzegovina", e–ZBORNIK [Special issue] University of Mostar, Faculty of Civil Engineering, Mostar, 2018, **ISSN:** 2232–9080.
26. V. Akmadžić, A. Vrdoljak: "Influence of soil reaction coefficient on 2D steel frame behavior", Proceedings of the 3rd International Conference on Engineering Sciences and Technologies, Technical University of Košice, Slovakia, September 12–14, 2018, **ISBN:** 978-80-553-2982-6.



27. V. Akmadžić, A. Vrdoljak: "Behavior of the 2D frames for different approach to soil modeling", *Advances and Trends in Engineering Sciences and Technologies III: Proceedings of the 3rd International Conference on Engineering Sciences and Technologies (ESaT 2018)*, CRC Press, Taylor & Francis Group, **ISBN:** 978-0-367-07509-5, **DOI:** <https://doi.org/10.1201/9780429021596>
28. V. Akmadžić, A. Vrdoljak, H. Smoljanović: "Behaviour of the base grid structure regard to the soil reaction coefficient", *Proceedings of the 18th International Scientific Conference on Construction and Architecture VSU' 2018*, University of Structural Engineering & Architecture "Lyuben Karavelov", Sofia, Bulgaria, October 18–20, 2018, **ISSN:** 1314-071X.
29. V. Akmadžić, A. Vrdoljak, I. Balić: "Influence of the soil reaction coefficient change on the steel grid foundation", *Proceedings of the 18th International Scientific Conference on Construction and Architecture VSU' 2018*, University of Structural Engineering & Architecture "Lyuben Karavelov", Sofia, Bulgaria, October 18–20, 2018, **ISSN:** 1314-071X.
30. V. Akmadžić, A. Vrdoljak, D. Ramljak: "Influence of the subgrade reaction coefficient modelling on the simple 3D frame", *Proceedings of the 29th DAAAM International Symposium*, Zadar, Croatia, October 24–27, 2018, **DOI:** <https://doi.org/10.2507/29th.daaam.proceedings.042>
31. A. Vrdoljak, V. Akmadžić: "Improvement of students' engineering skills in numerical modelling of the structural systems", *18th International Symposium INFOTEH-JAHORINA*, University of East Sarajevo, Faculty of Electrical Engineering, Jahorina, 20–22 March 2019, **ISBN:** 978-99976-710-2-8.
32. A. Vrdoljak, K. Miletić: "Principles of fractal geometry and applications in architecture and civil engineering", *e-ZBORNIK [17]* University of Mostar, Faculty of Civil Engineering, Mostar, 2019, **ISSN:** 2232–9080.
33. A. Vrdoljak, K. Miletić: "Designing and the development of an interactive simulations for engineering students: the case of Carbonara", *Proceedings of the 7th Conference of Young Researchers – COMMON FOUNDATIONS 2019*, University of Rijeka, Faculty of Civil Engineering, Rijeka, September 25–27, 2019, **ISBN:** 978-953-6953-51-6.
34. E. Hodzic, V. Akmadzic, A. Vrdoljak: "Behaviour of the aluminium base grid structure in relation to the subgrade reaction coefficient", *Proceedings of the 19th International Scientific Conference on Construction and Architecture VSU' 2019*, University of Structural Engineering & Architecture "Lyuben Karavelov", Sofia, Bulgaria, October 17–19, 2019, **ISSN:** 1314-071X.
35. E. Hodzic, V. Akmadzic, A. Vrdoljak: "Consequences of the subgrade reaction coefficient change on the wood grid structure", *Proceedings of the 19th International Scientific Conference on Construction and Architecture VSU' 2019*, University of Structural Engineering & Architecture "Lyuben Karavelov", Sofia, Bulgaria, October 17–19, 2019, **ISSN:** 1314-071X.
36. M. Prskalo, V. Akmadžić, A. Vrdoljak: "Influence of subgrade reaction coefficient modelling on simple 3D frame subjected to symmetric horizontal load", *e-ZBORNIK [18]* University of Mostar, Faculty of Civil Engineering, Mostar, 2019, **ISSN:** 2232–9080.
37. M. Kozłowski, A. Malewski, V. Akmadžić, A. Vrdoljak: "Glass in structural applications", *e-ZBORNIK [18]* University of Mostar, Faculty of Civil Engineering, Mostar, 2019, **ISSN:** 2232–9080.
38. Pandi-Perumal, S.R., Kumar, V.M., Pandian, N.G. *et al.* Scientists Against War: A Plea to World Leaders for Better Governance. *Sleep Vigilance* (2022). **DOI:** <https://doi.org/10.1007/s41782-022-00198-0>
39. V. Akmadžić, A. Vrdoljak: "Behavior of a two-story planar frame for different approach to soil modeling", *e-ZBORNIK [23]*, electronic collection of papers of the Faculty of Civil Engineering, University of Mostar, Vol. 12 No. 23, 2022, **ISSN:** 2232–9080, **DOI:** <https://doi.org/10.47960/2232-9080.2022.23.12.46>



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40. Pandi-Perumal, S. R., van de Put, W. A. C. M., Maercker, A. *et al.* (2023). Harbingers of Hope: Scientists and the Pursuit of World Peace. *Clinical Psychology in Europe*, 5(4), 1-10. DOI: <https://doi.org/10.32872/cpe.13197>
41. A. Vrdoljak and D. Vukičević, *Selector of Amino-Acid Scales Set*, Math. Med. Biol., 41 (2024), 157–168, ISSN: 1477-8602, DOI: <https://doi.org/10.1093/imammb/dqae007>
42. A. Vrdoljak: "Finding a minimal dominating set of a graph combining various heuristic approaches based on variable neighborhood search", Proceedings of the Conference on March 14 – International Day of Mathematics, Academy of Sciences and Arts of Bosnia and Herzegovina, Sarajevo, 14<sup>th</sup> March 2024, ISBN: 978-9926-574-07-9, DOI: <https://doi.org/10.5644/PI2024.216.10>
43. A. Vrdoljak: "Graph automata (Automati grafova)", A dissertation submitted in partial fulfillment of the requirements for the degree of DOCTOR OF MATHEMATICAL SCIENCES, Faculty of Science, University of Sarajevo, 2025., DOI: <https://doi.org/10.13140/RG.2.2.19012.54400>



### Editorial projects

1. One of the reviewers and the technical editor of the book "Matematika II" (Mathematics II), V. Cigić, Faculty of Civil Engineering University of Mostar, Mostar, 2001, **ISBN:** 9958-690-06-3.
2. One of the technical editors of the study "Sustavni razvoj obale i morskih resursa Bosne i Hercegovine" (Systematic development of coast and marine resources for B&H), UNESCO, Faculty of Civil Engineering University of Mostar, Neum Municipality, 2002.
3. One of the editors of information package "Vodič kroz studij Građevinskog fakulteta Sveučilišta u Mostaru" (The Guide to the study of Faculty of Civil Engineering at University of Mostar), Mostar, 2005.
4. One of the authors of the report "Development of learning contents with Information and Communication Technology (ICT) and e-Learning Environment for Informatics and Mathematics", University of Tsukuba, 2006.
5. One of the authors of the MONOGRAPH on the occasion of 30 years of Faculty of Civil Engineering University of Mostar 1978 – 2008, Mostar, 2008.
6. One of the editors of the Proceedings of 3<sup>rd</sup> meeting of junior researchers in the field of civil engineering and related technical sciences – ZAJEDNIČKI TEMELJI 2015, Mostar, 2015, **ISBN:** 978-953-58711-1-8.
7. One of the lecturers of the book "Građevna statika II – metoda sila kroz primjere" (Structural analysis II – force method through examples), V. Akmadžić, B. Trogrlić, K. Prusac, University of Mostar, Mostar, 2016.
8. One of the editors of the Self-evaluation of the Faculty of Civil Engineering University of Mostar, Mostar, 2016.
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13. Member of the Commission for the Development of a University Undergraduate Study Program of Geodesy at the Faculty of Civil Engineering in Mostar, 2018/2019.
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