

Name of teacher:	Adriana Bjelanović
Employed at: Since:	Faculty of Civil Engineering, University of Rijeka 08.10.2003.
Academic rank: Since: In:	Full professor 23.11.2021. Civil Engineering/Structural Engineering
e-mail address, web page	adriana.bjelanovic@gradri.uniri.hr ; https://portal.uniri.hr/Portfelj/1040 ;
Knowledge of foreign languages	English
Qualifications	- date of birth, nationality: 14.10.1962, Šibenik, Croatia, Croatian nationality - First degree obtained at: Faculty of Civil Engineering of Zagreb, University of Zagreb, 1991) - Master of science degree obtained at: 12.07.1996. Faculty of Civil Engineering in Zagreb, University in Zagreb, (Master of science thesis: "Representation of EC5 codes for timber structures in expert system") - Ph.D. degree obtained at: 12.07.2001.(Faculty of Civil Engineering in Zagreb, University in Zagreb, GF u Zagrebu: " PhD thesis: „Implementation of Artificial Intelligence for analysis and structural design of timber structures) - additional education: - previous employments:: Faculty of Civil Engineering in Zagreb, University in Zagreb (research novice, from 01.06.1992. to October 1996.; senior assistant, 01/2002 - 10/ 2003.
List of papers published in scientific journals	1. Bjelanović, A., Palinić, N., Franković, M: " Structures of the I. Industrial age in Rijeka (Croatia) – from timber to iron" YIAR / Industrial Archaeology Review 44 (2022), pp.19-35 https://doi.org/10.1080/03090728.2022.2060549 . (Q2 (JCI) 2022, Q4 SJR 2022) 2. Franković, T., Jelenić, G. & Bjelanović, A. Material Damping Prediction in Timber Beams Based on Timoshenko Free-Free Beam Model. <i>KSCE J Civ Eng</i> 26, 2315–2327 (2022). https://doi.org/10.1007/s12205-022-1010-8 (Q2 SJR 2022) 3. Palinić, N.; Bjelanović, A.: "Structures of the Proto-industrial and Early Industrial Age in Rijeka, Croatia" YIAR / Industrial Archaeology Review 43 (2021), pp.2-19 doi: https://doi.org/10.1080/03090728.2021.1892327 (Q2 JCI 2021; Q4 SJR 2021) 4. Bjelanović, A.; Franković, T.; Štimac Grandić, I.: "Učinci prilagodbi dinamičkog E-modula drva na referentne sadržaj vlage i temperaturu u razredbi malobrojnih uzoraka" / Adjustments of Dynamic MoE on Referent Moisture Content of Wood and Temperature in Grading of Small-Sized Samples", <i>Građevinar</i> 71 (2019) 2, pp. 125-135; doi: https://doi.org/10.14256/JCE.2498.2018 (Q3 SJR 2019) 5. Palinić, N.; Bjelanović, A.: "Drvene konstrukcije u povijesnoj luci Rijeke" / "Wooden structures in the histo-ric port of Rijeka", <i>Građevinar</i> 68 (2016), 10; pp. 801-814; doi: https://doi.org/10.14256/JCE.1560.2016 (Q4 SJR 2016) 6. Štimac Grandić, Ivana.; Grandić, Davor.; Bjelanović, Adriana: "Evaluation of Torsional Stiffness in Beam and Slab Bridge Decks Based on Load Testing", <i>International Journal of Civil Engineering</i>, 13 (2015), 3; pp. 255-266 doi: http://dx.doi.org/10.22068/IJCE.13.3.255 (Q3 SJR 2015) 7. Buljan, Nebojša; Bjelanović, Adriana; Turkulin, Hrvoje: Timber curtain wall – innovative structurally glazed unitised system for building envelopes // <i>Sučasni budiveli'ni konstrukcii z metalu ta derevini</i>, 26 (2022), 15-24 doi:10.31650/2707-3068-2022-26-15-24 8. Bjelanović, Adriana; Štimac Grandić, Ivana; Franić, Filip: Timber footbridges – valorization of parametric analysis in optimization of layout of beam bridges // <i>Sučasni budiveli'ni konstrukcii z metalu ta derevini</i>, 26 (2022), 5-14 doi:10.31650/2707-3068-2022-26-5-14 (međunarodna recenzija, članak, znanstveni)

	9. Škec, Leo; Bjelanović, Adriana; Jelenić, Gordan: "Glued Timber-Concrete Beams - Analytical and Numerical Models for Assessment of Composite Action", Engineering review (1330-9587) 33 (2013.), 1; 41 – 49 (prethodno priopćenje, Q4 SJR 2013) http://er.riteh.hr/index.php/ER/article/view/297 10. Rajčić, Vlatka; Bjelanović, Adriana: "Razredba drvene građe" Građevinar 57 (2005) 10, 779 – 784 (izvorni znanstveni rad, Q4 SJR 2005) 11. Rajčić, Vlatka; Bjelanović, Adriana; Rak, Mladenko: "Nosivost ulijepljenih čeličnih šipki u elementima od hrastovine," Građevinar 56 (2004) 3, pp. 155 – 161 (prethodno priopćenje, Q4 SJR 2004) 12. Bjelanović, Adriana: "Prikaz Eurocoda 5 u ekspertnom sustavu," Građevinar 49 (1997) 1, 9 – 16, (UDK 69.009.182(4)) (izvorni znanstveni rad) 13. Buršić, M. Bjelanović, A.; Žagar, Z.: "Structural Analysis of Arhitectural heritage – A Prerequisite for its Reconstruction", HDKI / Kemija u industriji 43 (1994), 3; 160-162 (Proceedings of an International Conference on "Effects of War on the Environment"), 14. Žagar, Zvonimir.; Buršić, Marina.; Bjelanović, Adriana: "Računalna analiza oštećene kupole Šibenske Katedrale", Arhitektura 1 (213) (1997), Stručni i znanstveni časopis Udruženja hrvatskih arhitekata, 26 – 27 (ISBN 0350-3666, UDK 726.6.025.1(497.5) 681.3.06, prethodno priopćenje 16. Štimac Grandić, Ivana; Grandić, Davor; Bjelanović, Adriana: "Comparison of techniques for damage identification based on influence line approach" // <i>International Virtual Journal Machines, Technologies, Materials</i> 7 (2011), pp. 9 – 13 17. Bjelanović, Adriana; Pavlić, Vedran; Rajčić, Vlatka: "Analysis of Slope effect and geometry of Glulam Cambered beams – Advises for their Design and Practical Application" // <i>University Review (The international scientific journal founded by Univ. of Trenčín / Slovačka i Izhevsk State Tech. Univ. Rusija, ISSN 1337-6047)</i>, 2008., Vol.2 (1), 54 – 59 18. Milovan, Franko; Buljan, Nebojša; Bjelanović, Adriana: "Projekt konstrukcije staklene stijene ovještene na prednapetim kablovima", Zbornik radova Građevinskog fakulteta, Sveučilišta u Rijeci, ISSN 0350-8552, XXI (2018), 115-131 (prethodno priopćenje) http://zr.gradri.uniri.hr/index.php/zr/issue/view/3; 19. Bjelanović, Adriana.; Šimić, Karlo: "Suvremeni pristup u projektiranju drvenih rešetkastih sustava povećane požarne otpornosti", Zbornik radova Građevinskog fakulteta, Sveučilišta u Rijeci, ISSN 0350-8552, XVI (2013), 289-312 (pregledni rad) http://zr.gradri.uniri.hr/index.php/zr/issue/view/9
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List of publications which serve as a proof of teaching qualifications	I. List of scientific papers published in scientific journals (1.-19.) II. List of scientific papers published in Proceedings of international conf. (20-49.) 20. Bjelanović, Adriana; Šešek, Matija; Šćulac, Paulo: Zollinger Lamella Vault of Existing Timber Hangars in Šibenik (Case Study) – Initial Condition Assessment and Preliminary Analysis of Global Structural Features https://stepgrad.aggf.unibl.org/article/268 // Proceedings of <i>International Conference on Contemporary Theory and Practice in Construction XVI (Stepgrad XVI)</i>, vol. 16, no. 1, pp. 435–448, 13.-14 June 2024, Banja Luka, https://doi.org/10.61892/stp202401072B; Online ISSN: 2566-4484 21. Buljan, Nebojša; Bjelanović, Adriana; Turkulin, Hrvoje: Timber curtain wall – innovative structurally glazed unitised system for building envelopes // Proceedings of <i>International Scientific and Technical Conference "Modern structures of metal and wood"</i>, June 9-11, 2022, Odessa, Ukraine, 15-24 22. Bjelanović, Adriana; Štimac Grandić, Ivana; Franolić, Filip: Timber footbridges – valorization of parametric analysis in optimization of layout of beam bridges // Proceedings of <i>International Scientific and Technical Conf. "Modern structures of metal and wood"</i>, June 9-11, 2022, Odessa, Ukraine, 5-14; 23. Drobac, Jug; Štimac Grandić, Ivana; Bjelanović, Adriana: DLMs for pedestrian vibration control on bridges // <i>Conference Paper Source type Conference Proceedings ISBN 978-385748169-7 View more IABSE Symposium, Wroclaw 2020, May 20.-22.: Synergy of Culture and Civil Engineering - History and Challenges, Report: International Association for Bridge and Structural Engineering (IABSE), Zürich 2020. str. 757-764 (predavanje, međunarodna recenzija, cjeloviti rad (in extenso), znanstveni)</i>
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24. Bjelanović, A.; Franolić, F.; Franković, T.; Štimac Grandić, I.: Parametric analysis of pedestrian timber beam bridges and selection of their optimal design // Proceedings of 5th International conference on Road and Rail Infrastructure (CETRA-2018, 16.5.-19.5.2018, Zadar), ur. Stjepan Lakušić Zagreb: Sveučilište u Zagrebu, Građevinski fakultet, Department of Transportation, 2018., 65-72 <https://doi.org/10.5592/CO/cetra.2018.723>
25. Buljan, Nebojša; Bjelanović, Adriana; Turkulin, Hrvoje: "[Structurally Glazed Timber Curtain Wall](#)" // Proceedings of 1st International conference on Construction Materials for Sustainable Future (CoMS-2017, 19-21.4.2017., Zadar) / ur. Banjad Pečur, I.; Baričević, A.; Štirmer, N.; Bjegović, D., / Zagreb: Sveuč. u Zagrebu, Građ. fakultet, 2017., 499-507
26. Grandić, Davor; Šćulac, Paulo; Bjelanović, Adriana; Franković, Tomislav: "[Condition Assessment of Torpedo Launch Pad Station Structure in Rijeka](#)" // Proceedings of 1st International conference on Construction Materials for Sustainable Future (CoMS-2017, 19-21.4.2017., Zadar) / ur. Banjad Pečur, I.; Baričević, A.; Štirmer, N.; Bjegović, D., / Zagreb: Sveučilište u Zagrebu, Građ. fakultet, 2017., 544-550
27. Bjelanović, Adriana; Štimac Grandić, Ivana; Grandić, Davor: "Mehanička svojstva i razredba konstrukcijskog drva – primjena nerazornih i razornih testova" // Zbornik radova GNP 2016. (6. Internacionalni naučno-stručni skup "Građevinarstvo, nauka i praksa (GNP 2016)", Žabljak, Crna Gora, 7.-11.3.2016.) / Knežević, Miloš; Šćepanović, Biljana (ur.). Podgorica : Univerzitet Crne Gore, Građevinski fakultet, 2016., 33-40
28. Bjelanović, A.; Stošić A.; Štimac Grandić, I.: "Nerazorna ispitivanja u ocjeni stanja i razredbi novog i ugrađenog konstrukcijskog drva" // Zbornik radova GNP 2016. (6. Internacionalni naučno-stručni skup "Građevinarstvo, nauka i praksa (GNP 2016)", Žabljak, Crna Gora, 7.-11.3.2016.) / Knežević, Miloš; Šćepanović, Biljana (ur.). Podgorica : Univerzitet Crne Gore, Građevinski fakultet, 2016., 775-782
29. Buljan, Nebojša; Bjelanović, Adriana; Turkulin, Hrvoje; Zobec, Marc: "Timber CW – Structurally Glazed Laminated Wood Façade" // Proceedings of 10th conference on Advanced Buildings (3.-4.11.2015., Bern, Switzerland) // Advanced Building Skins, München : Economic Forum Landsberger Str. 155 80687 München, Germany, 2015. (ISBN: 978-3-98120538-1), 502-511
30. Bjelanović, Adriana; Lustig, Nikola; Škec, Leo: "Effects of slope and apex zone geometry of glulam beams with special shape on their design" // Proceedings of 8th International Scientific Conference on Production Engineering: Development and modernization of production, RIM 2011, University of Bihać, Faculty of Technical Engineering, Bosnia and Herzegovina / Karabegovic, I. ; Dolacek, V. ; Jurkovic, V. (ur.), Bihać: University of Bihać, Faculty of Technical Engineering, 2011. 273-278
31. Štimac Grandić, Ivana; Grandić, Davor; Bjelanović, Adriana: "Comparison of techniques for damage identification based on influence line approach" // Proceedings of the Scientific-Technical Union of Mechanical Engineering. Varna : Scientific-Technical Union of Mechanical Engineering, 2011. 53-57; [International Virtual Journal Machines, Technologies, Materials 7](#) (2011), pp. 9 – 13
32. Bjelanović, Adriana; Rajčić, Vlatka; Čizmar, Dean: "New possibilities of structural design using artificial intelligence techniques" // Proceedings of International Scientific Symposium Modeling of Structures / Ivo Čolak (ur.). Mostar : University of Mostar, 2008. 41-51
33. Bjelanović, Adriana; Pavlić, Vedran; Rajčić, Vlatka: "Analysis of Slope effect and geometry of Glulam Cambered beams – Advises for their Design and Practical Application" // Proceedings of the 12th ICPMEMD / Košťál, Pavel (ur.).Trenčín, Slovačka, 2007 : UKC ZSVTS, 2008. Book of Abstracts, pp. 83-84.
34. Kovačević, Daniel; Brnelić, Martin; Lustig, Nikola; Grandić, Davor; Bjelanović, Adriana: "Ex torpedo launch pad structure in Rijeka – damage estimation procedure" // Proceedings of 3rd International Conference on Industrial Heritage with the Motto "Rijeka, the historical and traffic crossroad between Mediterranean and Europe", Smokvina, M. - Protorpedo; Lenac, Z. - Sveučilište u Rijeci (ur.).Rijeka, 2007., pp.16
35. Topić, Petar; Šćulac, Paulo; Krvavica, Nino; Ferenčić, Daniela; Komparić, Martina; Tuhtan, Miran; Bjelanović, Adriana; Grandić, Davor.: Modelling current state of ex Torpedo launch pad structure in Rijeka, // Proceedings of the 3rd International Conference of Industrial Heritage. Rijeka, the historical traffic crossroad between Mediterranean and Europe / Smokvina, Miljenko - Protorpedo Rijeka; Lenac, Zdravko / Sveučilište u Rijeci (ur.). Rijeka, 2007. (poster, međunarodna recenzija, sažetak, znanstveni)

	36. Adriana Bjelanović, Martin Brnelić, Nikola Cvitan, Daniela Ferenčić, Davor Grandić, Milan Gredelji, Vedran Jagodnik, Gordan Jelenić, Alen Karlović, Martina Komparić, Daniel Kovačević, Nino Krvavica, Nikola Lustig, Ivan Marović, Ino Matković, Dragan Ribarić, Marina Stipetić, Paulo Šculac, Ivana Štimac, Petar Topić, Miran Tuhtan, Dean Vukušić, "Inspection of the Torpedo launch pad structure in Rijeka and analysis of the possibilities of its repair and conversion", Abstracts for the 3rd International Conference on Industrial Heritage with the Motto "Rijeka, the historical and traffic crossroad between Mediterranean and Europe", Vijećnica grada Rijeke, Rijeka, Croatia, 11-13.10.2007. 37. Jović, Irena; Rak, Mladenko; Bjelanović, Adriana: "Testing of the sports hall's laminated main girder at Križ – Experimental methods "in situ" and laboratory testing of glulam wood" // Proceedings of ICYS (International Conference of Young Scientists) / Assoc. prof.dr. Vasilev Simeon (ur.). Plovdiv : Union of scientists in Bulgaria - Plovdiv, 2007. 36-44
	38. Jović, Irena; Topić, Petar; Bjelanović, Adriana; Rak, Mladenko: "Three – joint glulam frame with tie rod in Križ – comparison of results obtained experimentally and numerically using FEA simulation of the behaviour of tested structure" // International Conference of young scientists, Plovdiv, Bulgarian, 14th–17th June, 2007, Proceedings of ICYS – Plovdiv, 2007, Assoc. prof.dr. Vasilev Simeon (ur.), 45-51 39. Bjelanović, Adriana; Rajčić, Vlatka: "Fracture Behaviour of Bolted Joint Using Steel Threaded Bars Glued In Oak elements" // Proceedings of the International Conference on "Integrated Approach to Wood Structure, Behaviour and Applications" (Joint meeting of ESWM / European Society for Wood Mechanics and COST Action 35, supported by COST European Science Foundation, Organised by DISTAF – University of Florence and IVALLSA – CNR), Florence, Italy, 15-17, May, 2006 (compiled by M. Fioravanti and N. Macchioni), 250 – 255 40. Rajčić, Vlatka; Bjelanović, Adriana; Rak, Mladenko: "Comparison of the pull – out strength of steel bars glued in glulam elements obtained experimentally and numerically" // Proceedings of the International Council for Research and Innovation in Building and Construction (CIB), Working Commission W 18 – Timber Structures, Meeting Thirty Nine, Florence, Italy, 29-31, August, 2006. (Compiled by Rainer Goerlacher). Proceedings, CIB-W18/39-18-1, 407-420 (www.rz.uni-karlsruhe.de) 41. Rajčić, Vlatka; Bjelanović, Adriana: "Comparison of the Eurocode 5 and actual Croatian codes for wood classification and design with the proposal for more objective way of classification" // Proceedings of the International Council for Research and Innovation in Building and Construction (CIB), Working Commission W 18 – Timber Structures, Meeting Thirty Eight, Karlsruhe, Germany, 29-31, August, 2005 (Compiled by Rainer Goerlacher), Proceedings, CIB-W18/38-102-3, 432 – 442 (www.rz.uni-karlsruhe.de) 42. Rajčić, Vlatka; Bjelanović, Adriana; Rak, Mladenko: "Experimental test of glued bolt joint using threaded steel bars" // Proceedings of 8th World Conference on Timber Engineering (WCTE), June, 14 – 17, 2004, Lahti, Finland, 317 – 320 43. Bjelanović, Adriana; Rajčić, Vlatka: "New possibilities of structural design using artificial intelligence techniques: application of neural networks in structural modelling optimization" // 1st Symposium Computing in Engineering, Faculty of Civil Engineering, University of Zagreb, December, 4 – 6, 2003, Symposium Report / Herman, Krešimir (ur.), 209 – 220 44. Bjelanović, Adriana; Rajčić, Vlatka: "Timber structural design based on neural network application and FE 3D parametric modelling" // 7th International Conference on the Application of Artificial Intelligence to Civil and Structural Engineering, Egmond aan Zee, The Netherlands, 2 – 4 September 2003, Topping, Barry V. (ur.), pp. 159 – 160, Book of Abstracts (full text, CD – ROM, ISBN 0-948749-91-1; pp. 159-163). 45. Rajčić, Vlatka; Bjelanović, Adriana: "Fem model of the edge crack under tensile stresses" // Proceedings of 2nd International Conference of the European Society for Wood Mechanics, May, 25 – 28, 2003, Stockholm, Sweden, 355 – 360 46. Bjelanović, Adriana: "Structural design of glulam roof using AI techniques" // Zbornik seminarja "Gradbena informatika" (ISBN 961-6167-44-8), Inštitut za konstrukcije, potresno inženjerstvo in računalništvo, Fakulteta za gradbeništvo in geodezijo, Ljubljana, Ljubljana, Slovenia, 2001., (ur. Žiga Turk), 161 – 168 47. Bjelanović, Adriana; Rajčić, Vlatka: "AI environment for classification and design of structural timber elements" // Proceedings of International Conference on Innovation in Architecture, Engineering and Construction (AEC), 18 – 20, July, 2001, Burleigh Court International Conference Centre, Loughborough University, UK, 193 – 204

	48. Žagar, Zvonimir; Bjelanović, Adriana "CEN (EC5) standards for design of timber structures in expert system form" // Symposium report of Worldwide ECCE (RIL) Symposium on "Computers in the Practice of Building and Civil Engineering", 3 – 5, September, 1997, Lahti, Finland, 228 – 232 49. Šimunić Buršić, Marina, Bjelanović, Adriana, Žagar Zvonimir: "Structural Analysis of the Damage at the Cathedral of Šibenik" // IABSE Report 70, IABSE Symposium "Structural Preservation of the Architectural Heritage", Rome, 1993., 489 – 490
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	III. List of papers published in Proceedings of national conferences (50.-56.) 50. Bjelanović, A.; Rajčić, V.; Grandić, D.: "Projektiranje drvenih zgrada izloženih požaru – nacionalne građevinske regulative i europske tehničke smjernice" // Zbornik radova "EU i hrvatsko graditeljstvo" Sabora hrvatskih graditelja, Cavtat, 17.-18.10.2016, ur. Lakušić, S., 333-346 http://sabor.hsqi.org/ocs/index.php/sabor/sabor2016 51. Bjelanović, A.: "Stabilnost glavnog nosača – modeliranje problema u ekspertnom sustavu" // Zbornik radova "Kreativno rješavanje zadataka", IV. simpozij "Modeliranje u znanosti, tehnici i društvu", CROSS, HATZ, Tehn. fakultet Sveuč. u Rijeci, lipanj, 2000., 309 – 317 52. Bjelanović, A.: "Tumačenje i primjena EC5 normi u okružju RBES-a" // Zbornik radova "Inteligentni sustavi", III. simpozij Hrvatskog društva za sustave, Zagreb, studeni 1997, 153 – 160, ur. J. Božićević/ A. Caharija 53. Bjelanović, Adriana: "Prikaz EC5/HN normi za drvene konstrukcije u ekspertnom sustavu" // Zbornik radova, Četvrti kongres DHGK / Simović, Veselin (ur.). Zagreb-Cavtat : DHGK Zagreb, 1996. 267-276 54. Z. Žagar, A. Bjelanović "Analiza sustava kolnika u koridoru tramvajske pruge" // Zbornik radova, Drugi radni sabor Društva hrvatskih građevinskih konstruktora "Graditelji u obnovi Hrvatske", Brijuni, 13 – 15. 10, 1993, 375 – 382 55. V. Saler, A. Bjelanović "Konzultativni ekspertni sustav za odabir konstrukcija" // Zbornik radova 4. međunarodnog skupa razvoja i primjene kompjutorskih sustava, CAD FORUM, Zagreb, 1993., ur. Baletić, B., 169 – 179 56. V. Saler, A. Bjelanović, Z. Žagar: "An advising system for the calculation of "A" shape timber roof structures (savjetodavni program za proračun pajantnih krovništva)" // Zbornik radova 3. međunarodnog skupa razvoja i primjene kompjutorskih sustava CAD FORUM (PRG sekcija DHGK – Kompjutori u obnovi Hrvatske, Zagreb, 13 – 15.5. 1992, 219 – 226 IV. List of professional papers published in scientific and other journals (57.-61.) 57. Cupać, Jagoda; Buljan, Nebojša; Bjelanović, Adriana: "Stakleno aluminijske fasade – izbor prikladnog konstrukcijskog sustava fasade na primjeru prostorne drvene konstrukcije", Zbornik radova Građevinskog fakulteta, Sveučilišta u Rijeci, ISSN 0350-8552, XV (2012), pp.26 http://zr.gradri.uniri.hr/index.php/zr/issue/view/8 58. Červar, Josip; Buljan, Nebojša; Bjelanović, Adriana: "Sportska dvorana prostorne drvene krovne konstrukcije s radijalnim rešetkastim nosačima i stakleno aluminijskom fasadom", Zbornik radova Građevinskog fakulteta, Sveučilišta u Rijeci, ISSN 0350-8552, XV (2012), pp.26 http://zr.gradri.uniri.hr/index.php/zr/issue/view/8 59. Bjelanović, Adriana: "Ponašanje drva i drvenih konstrukcija u požaru i otpornost na djelovanje požara", Presjek XI (2011), 4 ISSN: 1848-0799, Sveučilišna tiskara d.o.o, Zagreb, pp. 105-120 60. Kovačević, Daniel; Bjelanović, Adriana: "Analiza lučnog drvenog mosta posebne konstrukcije", Zbornik radova Građ. fakulteta, Sveučilišta u Rijeci, ISSN 0350-8552, XIV (2011), 149-168 http://zr.gradri.uniri.hr/index.php/zr/issue/view/7 61. Lustig, Nikola; Bjelanović, Adriana; Butorac, Igor: "Zamjena dotrajalih konstrukcija novim pješačkim drvenim mostovima veće trajnosti", Zbornik radova Građevinskog fakulteta, Sveučilišta u Rijeci, ISSN 0350-8552, XIV (2011), 169-188, http://zr.gradri.uniri.hr/index.php/zr/issue/view/7 V. Published scientific books and university textbooks 1. Adriana Bjelanović, Vlatka Rajčić: «Drvene konstrukcije prema europskim normama», Hrvatska sveučilišna naklada i Građevinski fakultet Sveučilišta u Zagrebu, Zagreb, 2005, pp. 1-457, (ISBN 953-169-115-0), / reizdanje (Hrvatska sveučilišna naklada, Građevinski
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	fakultet Sveučilišta u Zagrebu i Zagora-Zagorje d.o.o.), Zagreb 2007., p.p. 1 – 458, ISBN 978-953-169-115-4;
Leader of the following research projects	I. National project funded by Ministry of science, education and sport, RH 1. Građevinski fakultet Sveučilišta u Rijeci (od 3/2008. – 3/2010.): "Mehanizmi sloma i modeli ponašanja inovativnih veza u drvenim konstrukcijama" (br. projekta 114-0000000-3253, MZOS), (http://www.gradri.uniri.hr/?rijeka=projects,18)
	II. Projects funded by University of Rijeka: https://portal.uniri.hr/Projekti : 1. Materijali, konstrukcije i tehnike kontrole fizikalnih utjecaja u povijesnoj arhitekturi Kvarnera (3/2022-6/2022; uniri-pr-technic-19-28) 2. Razrada metodologije za ocjenu potresne otpornosti postojećih zidanih građevina na Kvarnerskom Primorju (4/2024 – 9/2025; uniri-iskusni-technic-23-198-3188)
Participant in the following research projects	I. Projects funded by Croatian Foundation for Scienc / Craotian Ministry for Science and Technology 1. "Prototip višenamjenskog kompozitnog panela drvo-nosivo staklo", Građevinski fakultet Hrvatska / Zaklada za znanost, istraživački projekt IP-2016-06-3811, voditeljica: prof.dr.sc. Vlatka Rajčić, Građevinski fakultet Sveučilišta u Zagrebu), 01.03.2017.-29.02.2020. 2. "Analize sigurnosti i unapređenje drvenih konstrukcija", Građevinski fakultet Sveučilišta u Zagrebu / MZT RH, znanstveno-istraživački projekt (br. 0082202) voditelj: dr.sc. M.Haiman, 08/2001.-12/2005. 3. "Studije sigurnosti i nosivosti drvenih konstrukcija", Građevinski fakultet Sveučilišta u Zagrebu / MZT RH, znanstveno-istraživački projekt (br. 082017) voditelj: prof.dr.sc. Zvonimir Žagar, 02/2001.-07/2001. 4. "Ekspertni sustavi u dizajnu drvenih konstrukcija", Građevinski fakultet Sveučilišta u Zagrebu / MZT RH, znanstveno-istraživački projekt (br. 1-02-024), voditelj: prof.dr.sc. Zvonimir Žagar, 06/1992.-05/2000.
	II. Projects funded by University of Rijeka: https://portal.uniri.hr/Projekti : 1. "Materijali, konstrukcije i tehnike kontrole fizikalnih utjecaja u povijesnoj arhitekturi Kvarnera" (uniri-pr-technic-19-28), voditelj: prof. dr.sc. Nana Palinić, 3/2019-2/2022 2. "Poboljšanje proračunskih modela za ocjenu stanja građevinskih konstrukcija" (uniri-technic-18-127); voditelj: prof.dr.sc. Ivana Štimac Grandić, 2018. – 2023.) 3. "Procjena oštećenja i ojačanje građ. konstrukcija" (br. 13-05-11-01); voditelj: Prof.dr.sc. Nenad Bičanić, 2013.-2015., izv.prof.dr.sc. Ivana Štimac Grandić, 2015. – 2017.).
	III. Other research projects: 1. Istraživanje graditeljske baštine Rijeke i okolice (suradnik na dijelu projekta: "Lansirna stanica tvornice Torpedo") Građevinski fakultet Sveučilišta u Rijeci / Zaklada Sveučilišta u Rijeci (voditeljica projekta: doc.dr.sc. Aleksandra Deluka-Tibljaš; voditelj dijela projekta: doc.dr.sc. Gordan Jelenić, 3/2007.-3./2008.
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