



Curriculum Vitae

Personal information			
First name(s) / Surname(s)			
Gordana Branković			
Address(es)	Faculty of Agriculture University of Belgrade, Nemanjina 6, 11080, Belgrade-Zemun, Serbia		
Telephone(s)	+3814413487	Cell phone:	+381628668321
Fax(es)	+381114413521		
E-mail	gbrankovic@agrif.bg.ac.rs		
Nationality	Serbian		
Date of birth	17. October 1977.		
Gender	Female		
IDs	https://orcid.org/0000-0002-6921-6331 Scopus Author ID: 38761043000 SciProfiles: 2632864 https://www.linkedin.com/in/gordana-brankovi%C4%87-758475104/ https://www.researchgate.net/profile/Gordana-Brankovic?ev=hdr_xprf		
Affiliations /Occupational field	• University of Belgrade Faculty of Agriculture December 2020 - Present Location: Belgrade, Serbia Department of Genetics, Plant Breeding and Seed Science Position: Associate Professor of Genetics and Plant Breeding • University of Belgrade Faculty of Agriculture January 2015 - December 2020 Location: Belgrade, Serbia Department of Genetics, Plant Breeding and Seed Science Position: Assistant Professor of Genetics • University of Belgrade Faculty of Agriculture October 2005 - January 2015 Location: Belgrade, Serbia Department of Genetics, Plant Breeding and Seed Science		

	Position: Teaching Assistant of Genetics
Current position held	Associate Professor of Genetics and Plant Breeding at the Faculty of Agriculture, University of Belgrade, Serbia
Dates	08/12/2020 - current
Teaching/Research (BAS-Bachelor Academic Studies; MAS-Master Academic Studies; DAS-Doctoral Academic Studies)	Teaching activity: Theoretical and practical lectures with students on several subjects in Genetics and Plant Breeding field: 1) Genetics (BAS); 2) Quantitative Genetics (MAS); 3) Food Authenticity Testing (MAS/DAS); 4) Introduction to Research Methods (MAS); 5) Plant Genetics (DAS); 5) Research Methods in Crop and Vegetable Growing (DAS); 6) Genetics of Fruit Trees and Grapevines (DAS); Mentor of Bachelor, Master and Doctoral thesis. Research work: Characterization of genetic resources of field and forage crops from the aspects of agronomy; molecular genetics; technological, nutritional and functional quality. Postulating a powdery mildew resistance gene in barley germplasm. Quantitative genetics analysis of functional, nutritional and technological quality of bread and durum wheat for the content of phytic acid, antioxidants, protein, albumin, wet gluten, protein sedimentation (Zeleny), rheological index dough strength; and of morphometric attributes of grain, number of grains per spike, plant height, length of spike, coefficient of productive tillering of wheat grains vitreousness. Agronomic properties for <i>Triticale</i>, productive properties of winter wheat varieties, as well as control of genetic identity of wheat varieties using protein electrophoresis and monitoring of phenotypic changes in varietal reproduction of wheat. General and specific combining abilities, heterosis for the number of grain rows of maize inbred lines of different cycles of recurrent selection, the selection of medium-early corn hybrids with rapid moisture release, stability of maize hybrids and populations. Plant breeding research: correlation and regression analyses of agronomic traits, the effects of genes for protein content based on diallel crosses, as well as the combining abilities of parents and F1 hybrids. Positive and negative selection at the phenotype level in varietal reproduction of wheat. Impact of induced drought stress on early vigour traits of bread wheat. Evaluation of wheat genotypes tolerance to induced osmotic stress at the seedling stage. Root system architecture and stem traits of bread wheat seedlings under contrasting water regimes.
Education and training	
Date	2014
Qualification awarded	Ph.D Agronomy (Genetics and Plant Breeding)
Subject	Title: "Variability and stability of wheat genotypes for phytic acid and antioxidants content"
Name and type of organisation providing education and training	University of Belgrade, Faculty of Agriculture; Maize Research Institute "Zemun Polje"; Institute of Field and Vegetable Crops, Novi Sad; PKB Agroekonomik
Date	2010
Qualification awarded	Magister of Science Agronomy (Genetics and Plant Breeding of Field and Vegetable Crops)
Subject	Title: "The estimation of adaptability for NS commercial sunflower hybrids using GGE biplot analysis"
Name and type of organisation providing education	University of Belgrade, Faculty of Agriculture

and training					
Date	2004				
Qualification awarded	Bachelor of Science (Biology/Applied Genetics)				
Subject	"Marker-assisted selection in wheat breeding using SSR markers"				
Name and type of organisation providing education and training	University of Belgrade, Faculty of Biology				
Personal skills and competences					
Mother tongue(s)	Serbian				
Other language(s)	English/Russian				
Self-assessment	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Russian	B1	B1	A2	A2	A2
Social, organisational skills, and competences	Logical thinking, showing initiative, problem-solving oriented, shows respect, has integrity and respects moral values				
Technical and computer skills and competences	Experienced user of MS Office: MS Word, MS Excel, MS Power Point.				
Driving licence	Full driving licence (B category)				
Grants/Awards	"Erasmus Mundus-Greentech Project" grant for the program "The use of PCR based techniques for monitoring of genetically modified crops in food, and for authentication of food products and quality" Awarded September 2016 by the European Commission (one month) "Open World" grant for the program "Using Biotechnology in Agriculture". Funding agency: Congress and the USA Government. Grant reference: The US Congress, the US Department of Agriculture (USDA), the Federal Food and Drug Administration (FDA), the US Agency for Environmental Protection (EPA), the Department for Health Inspection of Plants and Animals (APHIS) in Washington, the University of Tulsa, Oklahoma State University and the Ministry of Agriculture of Oklahoma Grant Awarded March 2013 (two months) - The first place at the Student's Bios Olympiad Issued by Saint Petersburg State University, St. Petersburg, Russia. Awarded August 1996 - High school diploma of excellence "Vukova diploma". Awarded June 1996.				
Supervision	Supervising and monitoring student's thesis at undergraduate and postgraduate studies levels (BSc, MSc, PhD). 1. Participation in the Committee for the Defense of the Doctoral Dissertation of Aleksandar Kovačević entitled "Selection of Maize Genotypes with Accelerated Moisture Release from Grains" defended on 04.06.2024. at the Faculty of Agriculture, University of Belgrade (Decision No. 32/27-6.2. of 24.04.2024.). 2. Participation in the Committee for the Defense of the Doctoral Dissertation of Milica Blažić entitled "Assessment of Wheat Genotypes Based on Root and Stem Traits of Seedlings as Potential for Breeding", defended at the Faculty of Agriculture,				

University of Belgrade on 22.09.2022. (Decision No. 32/8-4.1. of 25.05.2022.).

3. Participation in the Committee for the Defense of the Doctoral Dissertation of Kristina Luković entitled "Characterization of KG-lines of wheat by morphological traits and technological grain quality", defended at the Faculty of Agriculture, University of Belgrade on 28.12.2020. (Decision number 32/17-8.8. of 24.06.2020.).

4. Participation in the Committee for the evaluation of the application for the Doctoral Dissertation topic of Nemanja Nišavić entitled "Evaluation of stability parameters on grain yield and molecular characterization of ZP hybrids of maize (*Zea mays* L.)" (Decision number 32/3-3.4. of 29.12.2021.).

5. Participation in the Commission for the assessment of the scientific basis of the topic of the Doctoral Dissertation of Nenad Bunjac entitled "Genetic heterogeneity and phenotypic plasticity of the original population in tomato breeding" (Decision number 32/22-3.1. dated 01.12.2023).

6. Mentor of the defended Master's Thesis of Sara Crnoseljanski entitled "Stability of grain yield of maize hybrids of the FAO 700 maturity group assessed by parametric models" of the defense on 10.07.2024. (Rescript number 2/97-2).

7. Mentor of the defended Master's Thesis of Jelena Božović entitled "Variability of green mass yield and dry matter yield of populations and varieties of red clover (*Trifolium pratense* L.) of different geographical origin" defended on 13.12.2024. (Rescript number 2/251-2).

8. Mentor of the defended Bachelor's thesis of Anamarija Sapun, entitled "Variability and heritability of the coefficient of productive tillering of wheat (*Triticum aestivum* L. ssp. *aestivum*)" defended on 26.04.2022. (Rescript number 1/23-2)

9. Mentor of the defended Bachelor's thesis of Tea Krivošić, entitled "Components of phenotypic variance and heritability for yellow pigment content in durum wheat (*Triticum durum* Desf.)", defended on 30.09.2022. (Rescript number 1/281-2).

10. First mentor (Decision No. 33/10-4.2. of 29.06.2016.) of the Defended Doctoral Dissertation of Irena Radinović, entitled "Variability of red clover genotypes based on agronomic traits, morphological and microsatellite markers", defended at the Faculty of Agriculture, University of Belgrade, on 28.02.2017. (Decision number 461/2-5.1. of 23.11.2016.)

11. Participation in the Committee for the Defense of the Doctoral Dissertation of Maja Ječmenica entitled "Reaction of bean genotypes (*Phaseolus vulgaris* L.) to abiotic factors", defended at the Faculty of Agriculture, University of Belgrade on 20.07.2016. (Decision number 33/8-5.1. of 27.04.2016.)

12. Participation in the Committee for the Defense of the Doctoral Dissertation of Ratibor Štrbanović entitled "Identification of alfalfa varieties using molecular markers in the initial phases of plant development", defended at the Faculty of Agriculture, University of Belgrade on 24.06.2016. (Decision number 33/5-4.4. of 27.01.2016.)

13. Participation in the Committee for the Defense of the Doctoral Dissertation of Vesna Kandić entitled "Assessment of barley genotypes for drought resistance in the grain filling phase", defended at the Faculty of Agriculture, University of Belgrade on 27.10.2015. (Decision number 290/8-6.5. of 20.05.2015.)

14. Participation in the Committee for the evaluation of the application and the evaluation and Defense of the Master's Thesis of Jelena Pantović entitled "Influence of the variety on the morphological and production traits of broccoli", defended on 24.09.2018. (Rescript number 2/266-2).

15. Participation in the Commission for the evaluation of the application and the evaluation and Defense of the Master's Thesis of Dragana Nešković entitled "Comparative analysis of grain yield of wheat varieties in organic and conventional systems", defended on 26.09.2019. (Rescript number 2/300-2).

16. Participation in the Commission for the evaluation of the application and the evaluation and Defense of the Master's Thesis of Tijana Arsić entitled "Variability of yield and functional quality in bread wheat and triticale", defended on 27.09.2019.

	(Rescript number 2/301-2). 17. Participation in the Commission for the evaluation of applications and the evaluation and Defense of the Master's Thesis of Sonja Zdravković entitled "Variability of yield and functional quality of bread wheat and cereals", defended on September 24, 2019 (Rescript number 2/288-2). 18. Mentor of the defended Bachelor's thesis of Tamara Radenković, entitled "Correlations of protein and wet gluten content with agronomic properties of wheat (<i>Triticum aestivum</i> L. ssp. <i>aestivum</i>)" defended on 28.09.2018. (Rescript number 1/87-2). 19. Participation in the Commission for the defense of the Bachelor's thesis of Nenad Bunjac entitled "Mapping of quantitative trait loci using the computer program R/qtl", defended on September 24, 2018 (Rescript number 2/404-2).
Referee activity	Journals: Journal of the Science of Food and Agriculture, Agronomy-Basel, Archives of Agronomy and Soil Science, Crop Science, BMC Plant Biology, Agriculture: MDPI, Horticulture-MDPI, Journal of Agricultural Science and Technology, Acta Botanica Croatica, Journal of Agricultural Sciences (Belgrade), Saudi Journal of Biological Sciences, Journal of Animal and Plant Sciences (Belgrade), Biologia, Genetika (Belgrade), The Journal of Animal and Plant Sciences (JAPS).
Research and Projects	Participant in the implementation of three scientific technological development projects funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia: 1) "Small grain cereals-breeding and advanced technologies of growing for improving yield and food quality" in the period 2006-2007 (project number TR 6893); 2) "Study of small grain cereals genotypes and breeding to improve yield, quality and additive value" in the period 2008-2011 (project number TR 20097); 3) "Study of the genetic basis of improving yield and quality of small grain cereals in different ecological conditions" in the period 2011-2019 (project number TR31092). Co-leader in the implementation of activities in the project program at the Faculty of Agriculture-Zemun from 01.10.2014 to 31.12.2019. Participant in the implementation of the contract between the Faculty of Agriculture, University of Belgrade and the Ministry of Science, Technological Development and Innovation of the Republic of Serbia, on the implementation and financing of scientific research work at the Scientific Investigation Organisation from 2019-2025. according to the registration contracts: 451-03-68/2020-14/200116; 451-03-9/2021-14/200116; 451-03-68/2022-14/200116; 451-03-47/2023-01/200116; 451-03-65/2024-03/200116; 451-03-137/2025-03/200116.
Association membership	• Serbian Genetic Society • Serbian Association of Plant Breeders and Seed Producers
Publications	Bibliography of Dr. Gordana Branković 1. Balalić, I., Zorić, M., Branković, G., Terzić, S., Crnobarac, J. (2012): Interpretation of hybrid × sowing date interaction for oil content and oil yield in sunflower. Field Crops Research 137: 70-77. DOI: 10.1016/j.fcr.2012.08.005. ISSN 0378-4290. IF 2.984 http://dx.doi.org/10.1016/j.fcr.2012.08.005 https://aspace.agrif.bg.ac.rs/handle/123456789/3078 2. Živanović, T., Branković, G., Zorić, M., Šurlan-Momirović, G., Janković, S., Vasiljević, S., Pavlov, J. (2012): Effect of recombination in the maize breeding population with exotic germplasm on the yield stability. Euphytica 185(3): 407-417. DOI: 10.1007/s10681-011-0600-1. ISSN 0014-2336. IF 1.877 https://link.springer.com/article/10.1007/s10681-011-0600-1

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3. **Branković, G.**, Dragičević, V., Dodig, D., Knežević, D., Kandić, V., Šurlan-Momirović, G., Sečanski, M. (2015): Phytic acid, inorganic phosphorus, antioxidants in bread and durum wheat and their associations with agronomic traits. *Agricultural and Food Science* 24(3): 183-194. DOI: 10.23986/afsci.49729. ISSN 1459-6067. IF 1.588

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4. **Branković, G. R.**, Balalić, I. M., Zorić, M. Z., Miklič, V. J., Jocić, S. B., Šurlan-Momirović, G. G. (2012): Characterization of sunflower testing environments in Serbia. *Turkish Journal of Agriculture and Forestry* 36(3): 275-283. DOI: 10.3906/tar-1106-45. ISSN 1300-011X. IF 0.913 <https://journals.tubitak.gov.tr/agriculture/vol36/iss3/2/>

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5. **Branković, G. R.**, Dodig, D., Zorić, M. Z., Šurlan-Momirović, G. G., Dragičević, V., Đurić, N. (2014): Effects of climatic factors on grain vitreousness stability and heritability in durum wheat. *Turkish Journal of Agriculture and Forestry* 38(4): 429-440. DOI: 10.3906/tar-1308-51. ISSN 1300-011X. IF 0.929

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6. **Branković, G.**, Dragičević, V., Dodig, D., Zorić, M., Knežević, D., Žilić, S., Denčić, S., Šurlan, G. (2015): Genotype × Environment interaction for antioxidants and phytic acid contents in bread and durum wheat as influenced by climate. *Chilean Journal of Agricultural Research* 75(2): 139-146. DOI: 10.4067/S0718-58392015000200001. ISSN: 0718-5839. IF 0.637

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7. **Branković, G.**, Dragičević, V., Dodig, D., Knežević, D., Kobiljski, B., Šurlan-Momirović, G. (2015): Albumin content in bread wheat (*Triticum aestivum* L.) and durum wheat (*Triticum durum* Desf.) as affected by the environment. *Zemdirbyste-Agriculture* 102(3): 281-288. DOI: 10.13080/z-a.2015.102.036. ISSN 1392-3196. IF 0.579

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8. Šurlan-Momirović, G., Flath, K., Silvar, C., **Branković, G.**, Kopahnke, D., Knežević, D., Schliephake, E., Ordon, F., Perović, D. (2016): Exploring the Serbian GenBank barley (*Hordeum vulgare* L. subsp. *vulgare*) collection for powdery mildew resistance. *Genetic Resources and Crop Evolution* 63(2): 275-287. DOI: 10.1007/s10722-015-0246-2. ISSN: 0925-9864. IF 1.294

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9. Radinovic, I., Vasiljevic, S., **Brankovic, G.**, Salem Ahsyee, R., Momirovic, U., Perovic, D., Šurlan-Momirovic, G. (2017): Molecular characterization of red clover genotypes utilizing microsatellite markers. *Chilean Journal of Agricultural Research* 77(1): 41-47. DOI: 10.4067/S0718-58392017000100005. ISSN 0718-5839. IF 0.775

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10. **Branković, G.**, Dodig, D., Pajić, V., Kandić, V., Knežević, D., Đurić, N., Živanović,

- T. (2018): Genetic parameters of *Triticum aestivum* and *Triticum durum* for technological quality properties in Serbia. *Zemdirbyste-Agriculture* 105(1): 39-48. DOI: 10.13080/z-a.2018.105.006. ISSN 1392-3196. IF 1.020
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11. Kandic, V., Dodig, D., Secanski, M., Prodanovic, S., **Brankovic, G.**, Titan, P. (2019): Grain yield, agronomic traits, and protein content of two- and six-row barley genotypes under terminal drought conditions. *Chilean Journal of Agricultural Research* 79(4): 648-657. DOI: 10.4067/S0718-58392019000400648. ISSN: 0718-5839. IF 0.883
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12. Surlan-Momirovic, G., Krämer, I., Bratkovic, K., Zoric, M., Momirovic, U., **Brankovic, G.**, Calic, I., Kandic, V., Przulj, N., Ordon, F., Perovic, D. (2013): Molecular characterization of barley (*Hordeum vulgare* L.) accessions of the Serbian Genebank by SSR fingerprinting. *Genetika* 45(1): 167-180. DOI: 10.2298/GENSR1301167S. ISSN 0534-0012. IF 0.492
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13. Salem Ahsyee, R., Al-Sloge, O., Čalić, I., **Branković, G.**, Zorić, M., Momirović, U., Vasiljević, S., Šurlan-Momirović, G. (2013): Genetic diversity of alfalfa domesticated varietal populations from Libyan genbank revealed by RAPD markers. *Archives of Biological Sciences* 65(2): 595-602. DOI: 10.2298/ABS1302595A. ISSN 0354-4664. IF 0.607
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14. **Branković, G.**, Dragičević, V., Žilić, S., Knežević, D., Đurić, N., Dodig, D. (2016): Expected genetic advance and stability of phytic acid and antioxidants content in bread and durum wheat. *Genetika* 48(3): 867-880. DOI: 10.2298/GENSR1603867B. ISSN 0534-0012. IF 0.351
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15. Djuric, N., Prodanovic, S., **Brankovic, G.**, Djekic, V., Cvijanovic, G., Zilic, S., Dragicevic, V., Zecevic, V., Dozet, G. (2018): Correlation-regression analysis of morphological-production traits of wheat varieties. *Romanian Biotechnological Letters* 23(2): 13457-13465. DOI: 10.26327/RBL2017.71. ISSN 1224-5984. IF: 0.590
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16. Radinović, I., Vasiljević, S., Zorić, M., **Branković, G.**, Živanović, T., Prodanović, S. (2018): Variability of red clover genotypes on the basis of morphological markers. *Genetika* 50(3): 895-906. DOI: 10.2298/GENSR1803895R. ISSN 0534-0012. IF 0.459
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17. Jordanovska, S., Jovović, Z., Dolijanović, Ž., Dragičević, V., **Branković, G.**, Đekić, V. (2018): Nutritional properties of Macedonian landraces of small grain cereals as a source of new genetic variability. *Genetika* 50(3): 863-883. DOI: 10.2298/GENSR1803863J. ISSN 0534-0012. IF 0.459
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18. Živanović, T., **Branković, G.**, Radanović, S. (2010): Combining abilities of maize inbred lines for grain yield and yield components. *Genetika* 42(3): 565-574. DOI: 10.2298/GENSR1003565Z. ISSN 0534-0012.

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20. Knezevic, D., Paunovic, A., **Brankovic, G.**, Maklenovic, V., Brocic, Z. (2014): Variability of mass of spike in wheat (*Triticum aestivum* L.) genotypes under different environments. 49th Croatian and 9th International Symposium on Agriculture, February 16-21, 2014. Dubrovnik, Croatia, Proceedings Book pp. 367-371. Publisher: Faculty of Agriculture, University of Josip Juraj Strossmayer in Osijek. Editors in Chief: Dr. Sonja Marić, Dr. Zdenko Lončarić. ISBN 978-953-7871-22-2.

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21. Knezevic, D., **Brankovic, G.**, Kondic, D., Srdic, S., Zecevic, V., Matkovic, M., Atanasijevic, S. (2016): Variability of grain mass per spike in cultivars of Triticale (*x Triticosecale* Wittm.). VII International Scientific Agriculture Symposium "Agrosym 2016", Jahorina, Bosnia and Herzegovina, October 06-09, 2016, Book of Proceedings pp. 1299-1305. DOI: 10.7251/AGRENG1607196. Publisher: Faculty of Agriculture University of East Sarajevo, Bosnia & Herzegovina. Editor in chief: Dr. Dušan Kovačević. ISBN 978-99976-632-7-6. COBISS.RS-ID 6216984.

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22. Knežević, D., **Branković, G.**, Kovačević, V., Mićanović, D., Paunović, A., Madić, M., Jelić, M., Zečević, V., Đurović, V. (2017): Genetic effects on grain protein contents in F1 hybrids of wheat (*Triticum aestivum* L.). 52nd Croatian and 12th International Symposium on Agriculture, 12th-17th February, 2017, Dubrovnik, Croatia, Proceedings Book pp. 227-231. Publisher: Faculty of Agriculture, Josip Juraj Strossmayer University of Osijek. Editors: Dr. Sonja Vila, Dr. Zvonko Antunović. ISSN 2459-5543.

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23. Pavlov, J., Delić, N., Stevanović, M., Čamdžija, Z., **Branković, G.**, Štepanić, A., Kostadinović, M. (2019): Estimation of yield stability of zp maize hybrids using different statistical models. X International Scientific Agriculture Symposium "Agrosym 2019", Jahorina, Bosnia and Herzegovina, October 03-06, 2019, Proceedings Book pp. 609-612. Publisher: Faculty of Agriculture University of East Sarajevo, Bosnia and Herzegovina. Editor: Dr. Dušan Kovačević. ISBN 978-99976-787-2-0. COBISS.RS-ID 8490776.

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of Agriculture University of East Sarajevo, Bosnia and Herzegovina. Editor in chief: Dr. Dušan Kovačević. ISBN 978-99976-787-2-0. COBISS.RS-ID 8490776.

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25. Đurić, N., Cvijanović, G., Matković, M., Dozet, G., **Branković, G.**, Trkulja, V. (2015): Genetic identity control of protein electrophoresis during variety reproduction of wheat. Eight International Meeting of Plant Breeding, Seed and Nursery Production, 11-13 November, 2015, Sv. Martin, Mura, Croatia, Book of Proceedings pp. 43-44. Publisher: Croatian Society of Agronomists. Editor: Dr. Zdravko Matotan. ISBN 978-953-6485-33-8.

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