



Curriculum Vitae

Surname Skender
First Name Azra
Birth date (dd/mm/yy) 11-01-1971.
Nationality Bosnian
Position title Associate professor
University University of Bihać
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Education (begin with initial professional education)

Institute & location	Degree	Year	Field of study
Faculty of Agriculture and Food Sciences, Sarajevo	BsC	1998.	Agriculture
Faculty of Agriculture and Food Sciences, Sarajevo	MSc	2007.	Agriculture
Faculty of Agriculture and Food Sciences, Sarajevo	PhD	2010.	Agriculture

Current & previous employment

1993.- 2004. – Teacher in High School of Agriculture
2004. – 2007. – Teaching assistant at Biotechnical Faculty University of Bihać
2007. – 2011. – Senior teaching assistant at Biotechnical Faculty University of Bihać
2011. – 2.4.2015. – assistant professor at Biotechnical Faculty University of Bihać
2.4.2015. – now – associate professor at Biotechnical Faculty University of Bihać

Publications

Master thesis: "Evaluation of pomological characteristics of autochthonous apple and pear genotypes"

PhD thesis: "Genetical and pomological variability of sweet chestnut populations in Bosnia and Herzegovina"

Books:

1. Hadžibulić, S., Skender, A. (2014). "Principles of Genetics for the students of Agronomy" (In origin: Osnove genetike za studente agronomije). Agromediterranean faculty, University „Džemal Bijedić“ Mostar. ISBN 978-9958-604-82-9
2. Skender, A., Hadžibulić, S., (2014). «General Fruit Growing». (In origin: Opšte voćarstvo). University of Bihać. ISBN 978-9958-02-0
3. Skender, A. (2020). Plant genetic resources: Autochthonous fruit cultivars" (In origin: „Biljni genetički resursi: Autohtone sorte voćaka"). University of Bihać. ISBN:978-9958-533-17-4
4. Skender, A. (2020). „Oplemenjivanje i uzgoj kestena“. University of Bihać. ISBN: 978-995-533-18-1

Research papers on conferences and articles in journals:

1. **Skender, A.**, Ibrahimpašić, J., Kurtović, M. (2006): Technological and pomological properties of autochthonous on-farm conserved chestnut genotypes. XIX Scientific conference of agriculture and food science, Neum, Bosnia and Herzegovina. Book of abstract. Vol 1, 45.
2. Veladžić, M., Jahić, S., **Skender, A.**, Osmanlić S. (2007): Analyzes of chemical compounds of strawberry grown on organic and conventional. Fifth conference of agriculture, veterinary and biotechnology. Travnik/Vlašić. Bosnia and Herzegovina. Book of abstracts. Vol 1, 53.
3. **Skender, A.**, Jahić, S., Hadžibulić, S., Kurtović, M. (2008): Evaluation of pomological characteristics of autochthonous varieties of apples in Cazin area. «Contemporary Agriculture», Vol. 57, 1-2, pp. 124-130.
4. **Skender, A.**, Kurtović M., Hadžibulić, S., Gaši F., Maličević, A. (2008): Morphological and chemical characteristics on indigenous genotypes pears Central Bosnia. Works of the Faculty of Agricultural and Food Sciences University of Sarajevo. Vol. LIII, No 59/1, str.77 – 87
5. Hadžibulić, S., Pojskić, L., Pojskić, N., Kurtović, M., **Skender, A.** (2008): Genetic differentiation of figs localities on the basis of the analyzed microsatellite loci. Works of the Faculty of Agricultural and Food Sciences University of Sarajevo. Vol. LIII, No 59/1, str. 97 – 106
6. **Skender, A.**, Hadžibulić, S., Kurtović, M., Hadžibulić, A. (2010): Identification of autochthonous and hosted apple cultivars in Bosnia and Herzegovina. Works of the Faculty of Agricultural and Food Sciences University of Sarajevo. Vol. LV, No 60/1, str. 95 – 103
7. Dervić, V., Gaši, F., Spaho, N., **Skender, A.**, Hadžibulić, S., Kurtović, M. (2011): Analysis of main sources of phenotypic variability in apple cultivars currently introduced to B&H. 22nd International Scientific – Expert Conference of Agriculture and Food Industry. Sarajevo, september 28 – october 1, 2011. Proceedings pp 88 - 92.
8. Hadžibulić, S., Aliman, J., Džubur, A., **Skender, A.**, Šoš, I. (2011): Inventorisation and morphological characterisation of almond genotypes (*Prunus amygdalus*) on Herzegovina area. 46th Croatian and 6th International Symposium on Agriculture. Opatija. Croatia. Proceedings. Pp: 1001-1005.
9. Kurtović, M., Gaši, F., Drkenda, P., Salkić, B., **Skender, A.**, Hadžibulić, S., Maličević, A. (2011): Application of SSR markers in work with germplasm of indigenous fruit trees in Bosnia and

- Herzegovina. First Symposium of geneticists in Bosnia and Herzegovina; Sarajevo 17. – 18. february 2011; knjiga Book of abstracts; pp 17
10. **Skender, A.**, Hadžiabulić, S., Bećirspahić, D., Karabrahimović, A. (2011): Phenological and pomological – technological characteristics of present autumn and summer varieties of raspberries. 22nd International Scientific – Expert Conference of Agriculture and Food Industry. Sarajevo, september 28 – october 1, 2011. Proceedings pp 160- 163.
 11. **Skender, A.**, Bećirspahić, D., Selimbegović, E., Alibabić, V., Ajdinović, T. (2012): Comparison of morphological and chemical-technological properties of strawberries grown on different types of mulch. International conference of submediterranean agriculture, Mostar. 22- 24. 11, 2012. Book of abstracts, Pp 7.
 12. Alibabić, V., Bajramović, M., **Skender, A.**, Selimbegović, E., Šertović, E., Mujić. I. (2012): Characteristics of market and consumers of Honey in the Una - Sana Canton area. International conference of submediterranean agriculture – ICSA 2012. Mostar. 22- 24.11, 2012. Book of abstracts, Pp 31.
 13. Hadžiabulić, S., **Skender, A.**, Aliman, J., Manjgo, L., Hadžiabulić, A. (2012): Pomological and genetic evaluation of autochthonous varieties of fig in the area of Herzegovina; 14thserbian congress of fruit and grapevine producers with international participation, Vrnjačka Banja, Serbia, 9 – 12. 10. 2012. Book of abstracts, pp 103
 14. **Skender, A.**, Kurtović, M., Hadžiabulić, S., Aliman, J. (2013): Pomological and genetic analysis of chestnut (*Castanea sativa* Mill.) in Bosnia and Herzegovina. 48th Croatian and 8th International Symposium on Agriculture. Opatija. Croatia. Proceedings, Pp 318 – 322.
 15. Aliman, J., Džubur, A., Hadžiabulić, S., **Skender, A.**, Manjgo, L. (2013): Rippening phases for fruits of autochthonous and introduced cherry types in the area of Mostar 48th Croatian and 8th International Symposium on Agriculture. Opatija. Croatia. Proceedings, Proceedings. Pp 821 – 825
 16. **Skender, A.**, Hadžiabulić, S., Gaši, F. (2013): Heterogeneity of gene locus in populations of sweet chestnut (*Castanea sativa* Mill.). 1 Symposium of Geneticists in Bosnia and Herzegovina, February 17 – 18, 2011. Proceedings, pp. 90 – 95
 17. **Skender A.**, Kurtović M., Hadžiabulić S., Gaši F. (2013): Analyses of genetic structure within population of chestnut (*Castanea sativa* Mill.) in Bosnia and Herzegovina using SSR markers. The Journal of Ege University, Faculty of Agriculture. Vol I , pp 159 - 162
 18. Gaši, F., Memic, S., Kurtovic, M., Drkenda, P., Memic, S., **Skender, A.**, Simon, S. (2013): Determining the identity of a promising new sour cherry cultivar using SSR markers. The Journal of Ege University, Faculty of Agriculture. Vol I , pp 53 - 56.
 19. Bakrač, L., **Skender, A.**, Bećirspahić, D., Hadžiabulić, S., Kurtović, M., Drkenda, P. (2013): Biological properties of newly introduced primocane raspberry cultivars in northwest Bosnia. 24rd International Scientific Expert Congress on Agriculture and Food Industry - Sarajevo. September 25 – 28, 2013. Proceedings: 405 – 408.
 20. Aliman, J., Džubur, A., Hadžiabulić, S., **Skender, A.** (2013): Blossom rhythm of newly introduced peach cultivars in ecological conditions of Mostar. 24rd International Scientific Expert Congress on Agriculture and Food Industry - Sarajevo. September 25 – 28, 2013. Proceedings: 442 – 446.
 21. **Skender, A.**, Bećirspahić, D., Mujagić – Pašić, A., Joldić, S., Kulelija, B. (2014): Genofund Of Native Fruit In the Una – Sana Canton. International Symposium on Sustainable Development «Biotechnology for Sustainable Development», Sarajevo, Bosnia and Herzegovina May 15 – 18, 2014. Proceedings Pp 69-74.
 22. Aliman, J., Džubur, A., Hadžiabulić, S., **Skender, A.**, Bećirspahić, D., Behmen, F. (2014): Qualitative Characteristics Of Introduced Peach Varieties In Herzegovina. International Symposium on Sustainable Development «Biotechnology for Sustainable Development», Sarajevo, Bosnia and Herzegovina. May 15 – 18, 2014. Book of abstracts Pp 142.
 23. **Skender, A.**, Ajdinović, T., Bećirspahić, D., Kurtović, M., Hadžiabulić, S., Aliman, J., Ercisli, S. (2014): The Comparison of Phenotypic Characteristics of Improved and Wild Blackberry Genotypes. 25th International Scientific – Expert Congress on Agriculture and Food Industry. Izmir/Turkey, september 25 – 27, 2014. Book of abstracts. Pp 25.
 24. Hadžiabulić, S., Aliman, J., Džubur, A., Tabaković, E., **Skender, A.**, Bećirspahić, D., Ercisli S. (2014): Inventarisation and Evaluation of Autochthonous Genotypes of Almond (*Prunus amygdalus*) in the Area of Dubrave Plateau. 25th International Scientific – Expert Congress on

- Agriculture and Food Industry. Izmir/Turkey, september 25 – 27, 2014. Book of abstracts. Pp 128
25. Bećirspahić, D., Kurtović, M., Drkenda, P., **Skender, A.**, Aliman, J. (2014): Morphological characteristics of raspberry production assortment in Bosnia and Herzegovina. 49th Croatian and 9th international conference of agriculture - Dubrovnik (Croatia), 16 – 21. 2. 2014. Proceedings, Pp 652 – 656.
 26. Aliman, J., Džubur, A., Hadžiabulić, S., Bećirspahić, D., **Skender, A.**, Behmen, F. (2014): Fenološka proučavanja introduciranih kultivara breskve na području Čapljine. 49th Croatian and 9th international conference of agriculture - Dubrovnik (Croatia), 16 – 21. 2. 2014. Proceedings. Pp 637 – 641.
 27. **Skender, A.**, Ajdinović, T., Bećirspahić, D. (2015): The comparison of phenotypic characteristics of current varieties and wild species of *Fragaria*. GENETIKA, Vol 47, No 1, 45-52, 2015. (Impact factor 0,49)
 28. **Skender, A.**, Bećirspahić, D., Joldić, S., Hadžiabulić, S., Aliman, J. (2016): Comparative research of newly introduced strawberry cultivars. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, Vol. LXI, No. 66/1, 359– 362. (AGRIS - Agricultural Information Servis, 1959; CAB Publishing - UK, 2002).
 29. Bećirspahić, D., Kurtović, M., Gaši, F., **Skender, A.**, Grahić, J. (2017). Evaluation of basic pomological properties of genotypes of walnut (*Juglans regia* L.) in Bosnia and Herzegovina. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, Vol. LXII, No. 67/1, 29 – 38. (AGRIS - Agricultural Information Servis, 1959; CAB Publishing - UK, 2002).
 30. **Skender, A.**, Alibabić, V., Kurtović, M., Šertović, E., Oraščanin, M., Bećirspahić, D. (2017): Morphological and chemical technological properties of self - sown genotypes of mulberry in north western Bosnia. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, Vol. LXII, No. 67/2, 130-139. (AGRIS - Agricultural Information Servis, 1959; CAB Publishing - UK, 2002).
 31. Hasanbegović J., Aliman, J., Hadžiabulić, S., Džubur, A., **Skender, A.** (2017): Phenological characteristics of newly introduced varieties of nectarines ("sun grand", "caldesi 2000" and "venus") in Herzegovina. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, Vol. LXII, No. 67/2, 104-113. (AGRIS - Agricultural Information Servis, 1959; CAB Publishing - UK, 2002).
 32. Bećirspahić, D., Kurtović, M., Gaši, F., Grahić, J., **Skender, A.** (2017): Improved walnut cultivar identification using reference SSR profiles. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, Vol. LXII, No. 67/2, 114-122. (AGRIS - Agricultural Information Servis, 1959; CAB Publishing - UK, 2002).
 33. **Skender, A.**, Joldić, S., Kurtović, M., Alibabić, V., Hadžiabulić, S. (2017): Effects of Fertilization on Vegetative Growth, Yield and Fruit Quality of Black Chokeberry (*Aronia melanocarpa* Elliot). Agronowledge Journal, vol. 18, no. 2, 2017, 85-94.
 34. **Skender, A.**, Kurtović, M., Pojskić, N., Kalamujić Stroil, B., Hadžiabulić, S., Gaši, F. (2017): Genetic structure and diversity of european chestnut (*Castanea sativa* Mill.) populations in western Balkans: on a crossroad between east and west. Genetika, vol. 49, no.2, 613-626. (Impact factor 0,49)
 35. Akbulut, M., Bozhuyuk, M., Ercisli, S., **Skender, A.**, Sorkheh, K. (2017): Chemical Composition of Seed Propagated Chestnut Genotypes from North-eastern Turkey. Not Bot Horti Agrobo, 45(2):425-430. DOI:10.15835/nbha45210931. (Clarivate Analytics, Master Journal List - Science Citation Index Expanded and Journal Citation Reports/Science Edition, <http://ip-science.thomsonreuters.com/mjl> IF 2016=0.480)
 36. **Skender, A.** (2018): Breeding and utilization of genetic resources of sweet chestnut (*Castanea sativa* Mill.). 2nd scientific chestnut conference. Bužim, Bosnia and Herzegovina. Proceedings. Pp 11-20.
 37. Pehadžić, E., **Skender, A.**, Šertović, E. (2018): Morphological and chemical properties of chestnut (*Castanea sativa* Mill.) in the wild population of the municipality of Ključ. 2nd scientific chestnut conference. Bužim, Bosnia and Herzegovina. Proceedings. Bužim. Proceedings. Pp 38-48.
 38. Alibabić, V., **Skender, A.**, Oraščanin, M., Šertović, E., Bajrić, E. (2018): Evaluation of Morphological, Chemical and Sensory Characteristics of Raspberry Cultivars Grown in Bosnia and Herzegovina. Turk J AgricFor 42: 67-74 TUBITAK doi 10.3906/tar-1702-59. (Current Contents; Science Citation Index Expanded; Web of Science; IF 2016=1.288).

39. Alibabić, V., **Skender A.**, Oraščanin, M., Mujić, I. (2019): Application of Multivariate Statistic to Classify Blueberry Fruits In: Karabegović I. (eds) New Technologies, Development and Application. NT 2018. Lecture Notes in Networks and Systems, vol 42. Pp 498-506. Springer, Cham.
40. Hasanbegović, J., Hadžiabulić S., Gaši, F., **Skender, A.**, Grahić, J., Kalamujić Stroil, B., Lasić, L., Ušanović, L., Kurtović, M. (2019): Genetic characterisation of almond (*Prunus amygdalus* L.) using microsatellite markers. Genetics&Applications Vol.3|No.2|95.
41. **Skender, A.**, Kurtović, M., Sezai, E., Bećirspahić, D. (2019): Some physicochemical characteristics of black and white mulberry genotypes from Bosnia and Herzegovina. Genetika, 51(3):1089-1101 (Impact factor 0,49) DOI: 10.2298/GENSR1903089S
42. **Skender, A.**, Hadžiabulić, S., Aliman, J., Hasanbegović, J. (2019): Phenological and Morphological Traits of Important Hazelnut Cultivars in North West Bosnia. Agro-knowledge Journal, vol.20 (4): 197-206. DOI 10.7251/AGREN1904197S
43. Aliman L., Aliman J., Ercisli S., **Skender A.**, Šukalić A., Jukić A.Š. (2020) Physical and Chemical Characteristics of the Peach Varieties in the Herzegovina Area. In: Brka M., Omanović-Miklićanin E., Karić L., Falan V., Toroman A. (eds) 30th Scientific-Experts Conference of Agriculture and Food Industry. Agri Conf 2019. IFMBE Proceedings, vol 78. (pp. 51-58). Springer, Cham. DOI https://doi.org/10.1007/978-3-030-40049-1_6
44. **Skender, A.**, Kurtović, M., Drkenda, P., Bećirspahić, D., Ebrahimi, A (2020): Phenotypic variability of autochthonous walnut (*Juglans regia* L.) genotypes in northwestern Bosnia and Herzegovina. Turk J Agric For 44: 517 – 525. DOI: 10.3906/tar-1902-59 (IF 2020: 2.585)
45. Hasanbegović, J., Hadžiabulić, S., Kurtović, S., Gaši, S., Hadžiabulić, S., **Skender, A.**, Grahić, J. (2020): „Phenological characteristics of introduced almond (*Prunus amygdalus*) cultivars in Herzegovina“. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, vol. LXV, No. 70: 19-27.
46. Hasanbegović, J., Hadžiabulić, S., Kurtović, M., Gaši, F., Lazović, B., Dorbić, B., **Skender, A.** (2021): Genetic characterization of almond (*Prunus amygdalus* L) using microsatellite markers in the area of Adriatic Sea. Turk J Agric For. 45: 797 - 806. DOI: 10.3906/tar-2103-82 (IF 2021: 2.585)

Certificate for Gene bank management and operation course, held by the Nordic Gene Bank (Alnarp, Sweden) 8-19. of May 2006.

Scientifical and expert projects

1. **„Conservation and utilization of plant genetic resources in southeastern Europe“** (In origin: «Konzervacija i korištenje biljnih genetskih resursa na području Jugoistočne Evrope; SEEDNet»); The project was funded by SIDA (Swedish International Development Agency) and Nordic Gene Bank, 2004 - 2010, project collaborator.
2. **„Establishment of orchards for the purpose of professional education of the rural population“** (In origin: "Podizanje voćnjaka u cilju stručne edukacije ruralnog stanovništva"). The project was funded by Ministry of agriculture, water management and forestry of Federation of Bosnia and Herzegovina. 2008, project manager.
3. **„Genetical characterisation of sweet chestnut in Bosnia and Herzegovina“** (In origin: «Genetička karakterizacija pitomog kestena u Bosni i Hercegovini»). The project was funded by Ministry of education and sciences of Federation of Bosnia and Herzegovina, 2009, Principal investigator on the project.
4. **„Protection of endangered autochthonous species and varieties of fruits“** (In origin: «Zaštita ugroženih autohtonih vrsta i sorti voćaka od nestanka»). The project was funded by Environmental Fund of Federation of Bosnia and Herzegovina, 2012, Ministry of education and sciences of Federation of Bosnia and Herzegovinafinansiran, project manager.

5. **„Medium-term strategy for agricultural production development“** (In origin: „Srednjoročna strategija razvoja poljoprivredne proizvodnje»), The project was funded by Ministry of agriculture, water management and forestry of Federation of Bosnia and Herzegovina. 2013, project collaborator.
6. **„Reionization of fruit production“** (In origin: «Rejonizacija voćarske proizvodnje»), The project was funded by Ministry of agriculture, water management and forestry of Federation of Bosnia and Herzegovina. 2013, project collaborator.
7. **„Operational Program for Plant Genetic Resources in Agriculture of the Federation of Bosnia and Herzegovina“** (In origin: «Operativni program za biljne genetske resurse u poljoprivredi Federacije BiH»). The project was funded by Ministry of agriculture, water management and forestry of Federation of Bosnia and Herzegovina; 2014; project collaborator.
8. **"Pre-selection of autochthonous walnut (*Juglans regia* L.) genotypes in Bosnia and Herzegovina"** (In origin:«Predselekcija autohtonih genotipova oraha (*Juglans regia* L.) u Bosni i Hercegovini», The project was funded by Ministry of education and sciences of Federation of Bosnia and Herzegovina; 2015; project manager.
9. **„Fight against ragweed“** (In origin: «Borba protiv ambrozije») The project was funded by Ministry of Construction, Physical Planning and Environment of Una-Sana Canton; 2017; project manager.
10. **"Genetic and pomological characterization of cornelian cherry in natural populations of Bosnia and Herzegovina"** (In origin: „Genetička i pomološka karakterizacija drijena u prirodnim populacijama BiH") The project was funded by Ministry of education and sciences of Federation of Bosnia and Herzegovina; 2019; project manager.
11. **Erasmus+ Programme Staff Training Mobility. Ankara University/ Faculty of Agriculture, Ankara, Turkey; 2020.**
12. **Erasmus + International Credit Mobility (KA107) Staff Mobility for Teaching. Cukurova University/Faculty of Agriculture, Adana, Turkey; 2022.**

Membership in scientific associations

Member of the Genetic Society of Bosnia and Herzegovina since its founding (2010).

Member of Steering committee of the Genetic Society of Bosnia and Herzegovina since 2018.