

Curriculum Vitae

Prof. Gordana M. Šekularac, PhD

University of Kragujevac
Faculty of Agronomy in Čačak



Name: Gordana
Surname: Šekularac
Date of Birth, place: 1959, Lučani, Serbia
Nationality: Serbian
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Education: Years enrollment: 1978/1979.
Completion of higher education: 1983, University of Kragujevac, Faculty of Agronomy, Čačak, Serbia.
Course: The General Direction; Average rating: 8.03 (8 and 3/100).
Academic title: Graduate Agricultural Engineer.

Years enrollment: 1984/85.
Study program: Land Regulation, University of Sarajevo, Faculty of Agriculture, Department of Land Regulation, Sarajevo, Bosnia and Herzegovina.
Completion of higher education: 1989.
Average rating: 9.38 (9 and 38/100).
Academic title: Master of Agricultural Sciences (MSc).
Master thesis: "The Causes of Dysfunctionality Čačak Hydromelioration System".

Doctoral dissertation: "Relationship Between Erosion and Degree of Eroded Soil of the Kamenica River Basin", successfully defended on 07.07.2000. on Faculty of Agronomy, Čačak, University of Kragujevac, Serbia.
Academic title: Doctor of Agronomic Sciences (PhD).

Publications and Projects:

Publications:

1. **Šekularac Gordana**, Stojiljković, D. (2007): Annual Runoff and Erosion Losses of Humus-Silicate Soil from Two Specific Uses Due to Precipitation on One Part of Western Serbia. *Pol. J. Environ. Stud.*, **16** (3), 433-440, ISSN 1230-1485, Scientific Investigation Committee. (IF₂₀₀₇=0,567)
2. Djurić, M., Mladenović, J., Pavlović, R., Murtić, N., Murtić, S., Milić, V., **Šekularac Gordana** (2011): Aluminium content in leaf and root of oat (*Avena sativa* L.) grown on pseudogley soil. *Afr. J. Biotechnol.*, **10** (77), 17837-17840, DOI: 10.5897/AJB11.156, ISSN 1684-5315©2011 Academic Journals. (IF₂₀₁₀=0,573)
3. Djurić, M., Murtić, S., **Šekularac Gordana**, Rešidović, N., Milić, V., Zdravković, J., Bošković-Rakočević, Lj. (2012): Cooper and manganese content of the leaves of pepper (*Capsicum annuum* L.) grown on different soil types. *Afr. J. Biotechnol.*, **11** (31), 7894-7898, DOI: 10.5897/AJB11.3937, ISSN 1684-5315©2012 Academic Journals. (IF₂₀₁₀=0,573)
4. Murtić, S., Čivić, H., Djurić, M., **Šekularac Gordana**, Kojović, R., Kulina, M., Krsmanović, M. (2012): Foliar nutrition in apple production. *Afr. J. Biotechnol.*, **11** (46), 10462-10468, DOI: 10.5897/AJB12.477,

5. **Šekularac Gordana**, Murtić, S., Djurić M., Veljković, B., Stojiljković, D., Stevović, T., Bokan, N. (2012): Quantitative traits in wheat (*Triticum aestivum* L. cv. "Novosadska rana 5") grown on pseudogley depending on lime rates. Afr. J. Biotechnol., **11** (91), 15779-15783, DOI: 10.5897/AJB12.1668, ISSN 1684-5315©2012 Academic Journals. (IF₂₀₁₀=0,573)
6. Stojiljković, D., **Šekularac Gordana**, Jelić, M., Djurić, M., Komatina-Petrović, S., Trifunović, S. (2012): Arsenic levels in groundwater aquifer of the Neoplanta source area. Afr. J. Biotechnol., **11** (104), 16852-16862, DOI: 10.5897/AJB12.2273, ISSN 1684-5315©2012, Academic Journals. (IF₂₀₁₀=0,573)
7. Murtić, S., Čivić, H., Djurić, M., Paunović, G., **Šekularac Gordana**, Behmen, F., Krsmanović, M. (2013): The Content of Some Antioxidants in Apple Depends on the Type of Fertilization. Pol. J. Environ. Stud., **22** (2), 475-480, ISSN 1230-1485. (IF₂₀₁₃=0,600)
8. Milošević, T., Milošević, N., Glišić, I., **Šekularac Gordana** (2013): Influence of stock on physical and chemical traits of fresh apricot fruit. Int. Agrophy., **27** (1), 111-114, doi: 10.2478/v10247-012-0075-x, ISSN 0236-8722. (IF₂₀₁₃=1,142)
9. Mandić L., Đukić D., Pešaković M., **Šekularac G.** (2010): Microbiological indication of the presence of heavy metals in soil. Crop Production (Növénytermelés), Vol. 59, pp. 81-84, ISSN 0546-8191, DOI: 10.1556/Novenyterm.59.2010.Suppl.2, Akadémiai Kiadó, Budapest, Hungary.
10. Aksić, M., **Šekularac Gordana**, Gudžić, N., Knežević, J., Gudžić, S., Jakišić, T. (2015): Crop Coefficients of Winter Wheat under South Serbia Conditions. Asian Journal of Agriculture and Food Sciences, **03** (02), 250-255, ISSN: 2321-1570. Asian Online Journals (www.ajouronline.com)
11. **Šekularac Gordana**, Pavlović, R. (1997): Water deficiencies in some soils of Čačak area. International Symposium "Drought and plant production", Proc. Vol. 1, pp. 143-147, Lepenski Vir.
12. Pavlović, R., **Šekularac Gordana**, Đorđević, R. (1997): Effect of the quality of the irrigation water on yield of two lettuce cultivars. International Symposium "Drought and plant production", Proc. Vol. 2, pp. 295-299, Lepenski Vir.
13. **Šekularac Gordana**, Tabakov J., Stojiljković, D. (1998): Groundwater quality of the part of Western Serbia. III.rd Hidro Conference "The water and the protection of aquatic environment in the central basin of the Danube". Proc. Vol. II, pp. 39-43, 24-26 September, Cluj-Napoca, Romania.
14. Stojiljković, D., **Šekularac Gordana**, Zdravić, M. (1998): Thermal waters influence to the water quality of the Danube-Tisa-Danube channel. III.rd Hidro Conference "The water and the protection of aquatic environment in the central basin of the Danube". Proc. Vol. II, pp. 119-123, 24-26 September, Cluj-Napoca, Romania.
15. Stojiljković, D., **Šekularac Gordana**, Rajić, M. (1998): Agents of water pollution in microaccumulations on different geological substrates in Serbia. 3rd International Conference on Diffuse Pollution, Proc., pp. 156-163, 31 August-4 September, Edinburgh, Scotland.
16. Stojiljković, D., **Šekularac Gordana**, Putarić, V. (1998): Consequences of intensive groundwater exploitation in the Bačka region. III.rd Hidro Conference "The water and the protection of aquatic environment in the central basin of the Danube". Proc. Vol. II, pp. 139-142, 24-26 September, Cluj-Napoca, Romania.
17. Stojiljković, D., **Šekularac Gordana** (1998): Land Reclamation Zoning in South Banat. 3rd International Symposium Interdisciplinary Regional Research (Hungary, Romania, Yugoslavia), Proceedings, Part II, pp. 737-740, 24-25 September, Novi Sad, Yugoslavia.

18. **Šekularac Gordana**, Stojiljković, D. (1998): Irrigation Needed on the Area of Čačak. 3rd International Symposium Interdisciplinary Regional Research (Hungary, Romania, Yugoslavia), Proceedings, part II, pp. 741-743, 24-25 September, Novi Sad, FR Yugoslavia.
19. Stojiljković, D., Pavlović, P., **Šekularac Gordana** (1998-1999): Risk of mine water inflow due to tectonics. Theoretical and Applied Karstology, Vol. 11-12, pp. 57-60, Bucuresti.
20. **Šekularac Gordana**, Stojiljković, D. (1999): Water regime regulation heavy soils in the part of Morava and Danube catchment. International Conference "Trends in Agricultural Engineering" – TAE '99, Proceedings, pp. 153-157, Praha, Czech Republic.
21. **Šekularac Gordana**, Stojiljković, D. (2000): The use of nutrients and plant filters in agriculture. Scientific papers, Faculty of Agriculture, partea I, XXXII, pp. 109-116, Timisoara, Romania.
22. **Šekularac Gordana** (2000): Quality assessment of irrigation groundwater in Cacak valley. Scientific papers, Faculty of Agriculture, partea I, XXXII, pp. 337-342, Timisoara, Romania.
23. Stojiljković, D., **Šekularac Gordana**, Josimov-Dunderski, J. (2000): Contents of heavy metals in water of accumulations and the health hazard. Monograph, IVth International Hidrology Conference "Water and protection of aquatic environment in the Central basin of the Danube", pp. 319-323, Subotica, Yugoslavia.
24. **Šekularac Gordana**, Josimov-Dunderski, J. (2001): Trend of potential evapotranspiration of Cacak ravine area. International Conference on water and nature conservation in the Danube-Tisza river basin, pp. 103-108, Debrecen, Magyar.
25. Stojiljković, D., Komatina, S., **Šekularac Gordana** (2002): Use of Alluvial Gravels as Natural Filters. The 34th Conference "Limnological Reports", pp. 75-80, Tulcea, Romania.
26. **Šekularac Gordana**, Stojiljković D. (2010): Seasonal analysis of soil water balance. Proceedings 45th Croatian and 5th International Symposium on Agriculture, Marić Sonja, Lončarić, Z. (eds.), 128-131, 15th-19th February, ISBN 978-953-6331-79-6, Opatija, Croatia: Faculty of Agriculture, University of Josip Juraj Strossmayer in Osijek.
27. **Gordana Šekularac**, T. Milošević, I. Glišić, L. Mandić, D. Stojiljković (2010): Water balance regime of soils in the region of Cacak as dependent upon climatic parameters. Proceedings of International Scientific and Professional Meeting "Ecological Truth" Eco-Ist'10, Marković, S. Z. (ed.), 210-215, 01-04 June, ISBN 978-86-80987-79-1, Spa Junakovic, Apatin, Serbia: University of Belgrade, Technical faculty Bor.
28. **Gordana Šekularac**, M. Blašković, M. Dioši (2010): Projekt of recultivation of the deserted quarry srebro. Proceedings of International Scientific and Professional Meeting "Ecological Truth" Eco-Ist'10, Marković, S. Z. (ed.), 205-209, 01-04 June, ISBN 978-86-80987-79-1, Spa Junakovic, Apatin, Serbia: University of Belgrade, Technical faculty Bor.
29. **Gordana Šekularac**, Stojiljković, D., Jelić, M. (2011): Combined effect of soil erosion agents within a small catchment. Proceedings 46th Croatian and 6th International Symposium on Agriculture, Pospišil, M. (ed.), 161-164, 14th-18th February, ISBN 978-953-6135-71-4, Opatija, Croatia: Faculty of Agriculture, University of Zagreb.
30. **Gordana Šekularac**, Stojiljković, D., Rajić, M. (2011): Irrigation conditions (soil water balance) in highland and mountainous areas. Proceedings 46th Croatian and 6th International Symposium on Agriculture, Pospišil, M. (ed.), 177-180, 14th-18th February, ISBN 978-953-6135-71-4, Opatija, Croatia: Faculty of Agriculture, University of Zagreb.
31. **Gordana Šekularac**, Stojiljković, D. (2011): Soil erosion factors and the

- situation within a small catchment (Western Serbia). Proceedings of the Third International Conference "Research people and actual tasks on multidisciplinary sciences", Atanasov. A. (ed.), Vol. 3, 24-28, 8-10 June, ISSN 1313-7735, Lozanec, Bulagija: Bulgarian National Multidisciplinary Scientific of the Professional Society for Research Work.
32. Stojiljković, D., Rajić, M., **Gordana Šekularac** (2011): Rain factor in agro climatic areas of Vojvodina province. Proceedings of the Third International Conference "Research people and actual tasks on multidisciplinary sciences", Atanasov. A. (ed.), Vol. 3, 40-45, 8-10 June, ISSN 1313-7735, Lozanec, Bulagija: Bulgarian National Multidisciplinary Scientific of the Professional Society for Research Work.
 33. Stojiljković, D., **Gordana Šekularac**, Rajić, M., (2011): Seasonal analysis of soil water balance. Proceedings of the 22nd International symposium "Food safety production", Krajinović. M. (ed.), 531-533, 19-25 June, ISBN 978-86-7520-219-6, Trebinje, Bosnia and Herzegovina: University of Novi Sad, Serbia, Faculty of Agriculture, Novi Sad.
 34. **Gordana Šekularac**, D. Stojiljković (2011): Analysis of soil erosion within two small catchments (Western Serbia). Proceedings of XIX International Scientific and Professional Meeting "Ecological Truth" Eco-Ist'11, Marković, S. Z. (ed.), 300-305, 01-04 June, ISBN 978-86-80987-84-2, Bor, Serbia: University of Belgrade, Technical faculty Bor.
 35. Stojiljković, D., **Šekularac Gordana**, Rajić, M. (2012): The rainfall and temperature regime in agroclimatic areas of Bačka. Proceedings 47th Croatian and 7th International Symposium on Agriculture, Pospišil, M. (ed.), 134-137, 13th-17th February, ISBN 978-953-7878-02-3, Opatija, Croatia: Faculty of Agriculture, University of Zagreb.
 36. Djurić, M., **Šekularac Gordana**, Murtić, S., Krsmanović, M., Brković, D. (2012): The effect of CaCO₃ on the K content in oat leaf. Proceedings International Scientific Symposium of Agriculture "Agrosym Jahorina 2012", Kovačević, D., Milić, V. (eds.), pp. 254-256, November 15-17, ISBN 978-99955-751-0-6, Jahorina, Republic of Srpska, B&H: Faculty of Agriculture East Sarajevo and Faculty of Agriculture Belgrade.
 37. Jakišić, T., **Šekularac Gordana**, Djurić, M., Stojiljković, D. (2012): Influence of meteorological parameters on soil water balance for the area of meteorological station Butmir. Proceedings International Scientific Symposium of Agriculture "Agrosym Jahorina 2012", Kovačević, D., Milić, V. (eds.), pp. 351-355, November 15-17, ISBN 978-99955-751-0-6, Jahorina, Republic of Srpska, B&H: Faculty of Agriculture East Sarajevo and Faculty of Agriculture Belgrade.
 38. **Šekularac Gordana**, Djurić, M., Stojiljković, D., Milić, V., Kulina, M., Jakišić, T. (2012): Soil erosion of Rujevac small basin (West Serbia). Proceedings International Scientific Symposium of Agriculture "Agrosym Jahorina 2012", Kovačević, D., Milić, V. (eds.), pp. 441-444, November 15-17, ISBN 978-99955-751-0-6, Jahorina, Republic of Srpska, B&H: Faculty of Agriculture East Sarajevo and Faculty of Agriculture Belgrade.
 39. Jugovic, M., Radivojevic, D., Koprivica, R., **Sekularac Gordana**, Jakisic, T., Lalovic, M. (2013): Quality of Rotary Mower SIP RK 135 Mowing Process in Mountainous Area. Proceedings Fourth International Scientific Symposium "Agrosym Jahorina 2013", Kovačević, D. (ed.), pp. 435-440, October 3-6, ISBN 978-99955-751-3-7, Jahorina, Republic of Srpska, B&H: Faculty of Agriculture East Sarajevo and Faculty of Agriculture Belgrade.
 40. **Sekularac Gordana**, Jelic, M., Kulina, M., Jakisic, T., Jugovic, M. (2013): Soil Erosion of the Cuverak River Basin (West Serbia). Proceedings Fourth International Scientific Symposium "Agrosym Jahorina 2013",

- Kovačević, D. (ed.), pp. 807-810, October 3-6, ISBN 978-99955-751-3-7, Jahorina, Republic of Srpska, B&H: Faculty of Agriculture East Sarajevo and Faculty of Agriculture Belgrade.
41. Jakisic, T., **Sekularac Gordana**, Mojevic, M., Govedarica, B., Jugovic, M. (2013): Effect of Altitude on the Water Balance of Land Area of Sarajevo. Proceedings Fourth International Scientific Symposium "Agrosym Jahorina 2013", Kovačević, D. (ed.), pp. 818-823, October 3-6, ISBN 978-99955-751-3-7, Jahorina, Republic of Srpska, B&H: Faculty of Agriculture East Sarajevo and Faculty of Agriculture Belgrade.
42. **Sekularac Gordana**, Stojiljkovic, D., Dimiškovska, B., Djuric, M., Jakisic, T., Jugovic, M. (2013): The Quality of Spring Waters of Fruska Gora (Vojvodina). Proceedings Fourth International Scientific Symposium "Agrosym Jahorina 2013", Kovačević, D. (ed.), pp. 873-880, October 3-6, ISBN 978-99955-751-3-7, Jahorina, Republic of Srpska, B&H: Faculty of Agriculture East Sarajevo and Faculty of Agriculture Belgrade.
43. **Sekularac Gordana**, Jelic, M., Djuric, M., Aksic, M., Jakisic, T. (2014): Soil Erosion: Causes and Effects Within Perilo Small Catchment (Western Serbia). Proceedings Fifth International Scientific Agricultural Symposium "Agrosym 2014", Kovacevic, D. (ed.), pp. 754-759, October 23-26, ISBN 978-99955-751-9-9, Jahorina, Republic of Srpska, B&H: University of East Sarajevo, Faculty of Agriculture, Republic of Srpska, Bosnia and University of Belgrade, Faculty of Agriculture, Serbia.
44. Jelic, M., Dugalic, G., Milivojevic, J., Djikic, A., **Sekularac Gordana**, Paunovic, A. (2014): Evaluation of Quality Pseudogley Soils Based on its Water-Air Properties. Proceedings Fifth International Scientific Agricultural Symposium "Agrosym 2014", Kovacevic, D. (ed.), pp. 766-771, October 23-26, ISBN 978-99955-751-9-9, Jahorina, Republic of Srpska, B&H: University of East Sarajevo, Faculty of Agriculture, Republic of Srpska, Bosnia and University of Belgrade, Faculty of Agriculture, Serbia.

Domestic research projects:

Researcher on the project from the technological development program, for the period 1998-2000, №. S.4.17.308.0028: „Development, use and conservation of land in order to produce highly valuable food”, funded by the Ministry of Science and Technological Development of the Republic of Serbia.

Researcher on the project from the technological development program, for the period 2002-2004, №. BTN 1.2.0.4173.5: „Characterization of soil and substrate for production of highly valuable food in the vegetable crops”, funded by the Ministry of Science and Technological Development of the Republic of Serbia.

Researcher on the project from the technological development program, for the period 2006-2007, №. TR 6893B: „Small grains-breeding and advanced cultivation technology to improve the yield and quality of food”, funded by the Ministry of Science and Environmental Protection of the Republic of Serbia.

Researcher on the project from the technological development program, for the period 2008-2010, №. TR 20123: „Agrochemical, agro-technical and physiological study of growing small grains on acid soils”, funded by the Ministry of Science of the Republic of Serbia.

Researcher on the project from the technological development program, for the period 2008-2010, №. TR 20099: „Improvement of technology of

cultivation of apricots”, funded by the Ministry of Science of the Republic of Serbia.

Researcher on the project from the technological development program, for the period 2011-2014 (during), №. TR 31054: „Development of new technologies of growing small grains on acid soils using modern biotechnology”, funded by the Ministry of Science and Technological Development of the Republic of Serbia.

Additional Information:

Member of the Scientific Committee of the International Journal Electronic Journal of Polish Agricultural Universities (EJPAU), for the period 2013-2016: <http://www.ejpau.media.pl/>

Reviewer of the papers of the International Journal of Central European Agriculture (JCEA): <http://www.jcea.agr.hr>