

	<p>Област радова који су резултат научноистраживачког рада:</p> <p>1. ОБЛАСТ БИОТЕХНИЧКИХ НАУКА – БИОТЕХНОЛОГИЈА или 2. ОБЛАСТ ТЕХНИЧКО-ТЕХНОЛОШКИХ НАУКА – ТЕХНОЛОШКО ИНЖЕЊЕРСТВО</p>	
Назив групе резултата	Врста резултата	М
M10 Монографије, монографске студије, тематски зборници, публикације међународног значаја	Bročić, Y., Momčilović, I., Poštić, D., Oljača, J., Veljković, B. (2021): Chapter 2 Production of High-Quality Seed Potato by Aeroponics, In book: The Potato Crop. Management, Production and Food Security Publisher: Nova Publishers, New York, pp 21-65. https://doi.org/10.52305/RHLO1469 (M13)	M13 - 8
M20 Радови објављени у научним часописима међународног значаја, научна критика; уређивање часописа	<ol style="list-style-type: none"> 1. Puvača N., Milenković J., Galonja Coghill T., Bursić V., Petrović A., Tanasković S., Pelić M., Ljubojević Pelić D., Miljković T. (2021): Antimicrobial Activity of Selected Essential Oils against Selected Pathogenic Bacteria: In Vitro Study. <i>Antibiotics</i>, 10, 546. ISSN 2079-6382 https://doi.org/10.3390/antibiotics10050546 (M21) 2. Zejak, D., Glišić, I., Spalević, V., Mašković, P., Dudić B. (2021): Sustainable Management of Fruit Growing in Rural Areas of Montenegro: The Impact of Location on the Phenological and Nutritional Properties on Raspberry (<i>Rubus idaeus</i> L.). <i>Agronomy</i>, 11(8): 1663. ISSN: 2073-4395 https://doi.org/10.3390/agronomy11081663 (M21) 	M21 - 8
	<ol style="list-style-type: none"> 1. Đurović V., Radovanović M., Mandić L., Knežević D., Zornić V., Đukić D. (2021): Chemical and microbial evaluation of biscuits made from wheat flour substituted with wheat sprout. <i>Food Science and Technology international</i>, 27(2): 172-183, ISSN 1082-0132. https://doi.org/10.1177/1082013220942441 (M22) 2. Puvača N., Tanasković S., Bursić V., Petrović A., Merkuri J. Shtylla Kika T., Marinković D., Vuković G., Cara M. (2021): Optical Characterization of <i>Alternaria</i> spp. Contaminated Wheat Grain and Its Influence in Early Broilers Nutrition on Oxidative Stress. <i>Sustainability</i>, 13(7), 4005. ISSN 2071-1050 https://doi.org/10.3390/su13074005 Environmental science 120/265 (2019) IF 2,576 (M22) 3. Marković, D., Vujičić, D., Tanasković, S., Đorđević, B., Randić, S., Stamenković, Z. (2021): Prediction of Pest Insect Appearance Using Sensors and Machine Learning, <i>Sensors</i>, 21: 4846, https://doi.org/10.3390/s21144846 (M22) 4. Nikolić, M.P., Pavlović, V.B., Stanojević-Nikolić, S., Srdić, V.V. (2021): 	M22 – 5

<p>Enzyme immobilization using two processing methods onto silica core-shell particles, <i>Boletín de la Sociedad Española de Cerámica y Vidrio</i>, 60: 243-254. https://doi.org/10.1016/j.bsecv.2020.03.004 (M22)</p> <p>5. Milovanović V., Petrović Z.D., Novaković S., Bogdanović G.A., Simijonović D., Mladenović M., Branković J., Petrović V.P. (2021): Pyrazole derivatives of medically relevant phenolic acids: insight into antioxidative and anti-LOX activity, <i>Medicinal Chemistry</i> 17: 807-819, ISSN: 1573-4064. https://doi.org/10.2174/1573406416666200602152643 (M22)</p> <p>6. Švarc-Gajić, J.V., Cerda, V., Delerue-Matos, C., Mašković, P.Z., Clavijo, S., Suarez, R., Cvetanović, A.D., Romalhosa, M.J., Barrosa, F.M., Moreira M.M., Morais, S., Withouck, H., Boeykens, A.(2021): Chemical characterization and in vitro bioactivity of apple brak extracts obtained by subcritical water, <i>Waste and biomass valorization</i>, December 2021, <i>Waste and Biomass Valorization</i> 12(2) https://doi.org/10.1007/s12649-021-01477-z IF- 3.703 (M22)</p> <p>7. Vujic, D., Sajeev, J. (2021): Three-dimensional photonic crystal short-pillar architecture for high-performance optical biosensing. <i>Journal of the Optical Society of America B</i>, 38(3), 968-978. https://doi.org/10.1364/JOSAB.415100 (M22)</p>	
<p>1. Tanasković, S., Gvozdenac, S., Kolarov, R., Bursić, V., Konstantinović, B., Prvulović, D. (2021): Antifeeding and insecticidal activity of <i>Ailanthus altissima</i> and <i>Morus alba</i> extracts against gipsy moth (<i>Lymantria dispar</i> [L.], Lepidoptera, Lymantridae) larvae under laboratory conditions. <i>Journal of the Entomological Research Society</i>. 23(3): 197-212, ISSN 1302-250. Doi: https://doi.org/10.51963/jers.v23i3.1989 Entomology, 96/102, IF 2020 0,520 (M23)</p> <p>2. Ratknić, T., Ratknić, M., Subić, J., Poduška, Z., Šekularac G., Aksić, M., Vještica, S. (2021). An analysis of the profitability of the restitution of sessile oak forests affected by wildfires in Serbia. <i>Notulae Botanicae Horti Agrobotanicae Cluj-Napoca</i>, 49(2): 12260. https://doi.org/10.15835/nbha49212260, Print ISSN 0255-965X; Electronic ISSN 1842-4309, Editura Academic Pres. (IF₂₀₂₀=1.444) (M23)</p> <p>3. Ranko Koprivica, Biljana Veljković, Dušan Radivojević, Zoran Mileusnić, Dragoslav Đokić, Dragan Terzić, Tatjana Dedić (2021): Sesonal Performance of Shared Agricultural Machinery in Machinery Ring, 48th Symposium "Actual Tasks on Agricultural Engineering ATAE", Zagreb, Croatia, p.483-491. (M23) http://atae.agr.hr/48th_ATAE_proceedings.pdf</p> <p>4. Petričević, V., Dosković, V., Lukić, M., Škrbić, Z., Rakonjac, S., Petričević, M., Stanojković, A. (2021): The effect of a peppermint (<i>Mentha piperita</i> L.) in broiler chicken diet on production parameters, slaughter characteristics and gut microbial composition. <i>Large Animal Review</i>, 27: 103-107. ISSN: 1124-4593 (IF₂₀₂₀=0,417) (M23)</p> <p>5. Rakonjac, S., Dosković, V., Bogosavljević-Bošković, S., Škrbić, Z., Lukić, M., Petričević, V., Petrović, M.D. (2021): Production Performance and Egg Quality of Laying Hens as Influenced by Genotype and Rearing System. <i>Brazilian Journal of Poultry Science</i>, 23(2), 001-008. ISSN 1516-635X (IF₂₀₂₀=0,826) (M23)</p> <p>6. Petrović K., Stojanovic D., Cincovic M., Belic B., Lakic I., Djokovic R. (2021): Influence of niacin application on fatty acids and functional status of liver in cows. <i>Large Animal Review</i>, Vol. 27 No 1, pp 17-21. ISSN 11244593. (M23).</p>	M23 – 3

<ol style="list-style-type: none"> 7. Kovačević, V., Cincović, M., Belić, B., Đoković, R., Lakić, I., Radinović, M., Potkonjak, A. (2021): Biological variations of hematologic and biochemical parameters in cows during early lactation. Polish Journal of Veterinary Sciences Vol. 24, No. 1, pp:119–125. https://doi.org/10.24425/pjvs.2021.136800 (M23). 8. Kovacevic, D., Cincovic, M., Belic, B., Djokovic, R., Majkic, M. (2021): Blood serum stability limit and maximum storage time of bovine samples. Acta Scientiae Veterinariae, 49: 1815 pp.1-9. ISSN 1679-9216, https://doi.org/10.22456/1679-9216.112574 (M23). 9. Pisinov, B., Kurćubić, V., Stajić, S. (2021): Nutritional and sensory properties of frankfurters made of culled goat meat. Fleischwirtschaft 12(2021): 90-96. (M23) 10. Mićović, N., Kurćubić, V., Tomović, V., Suvajdžić, B., Miletić, N., Stajković, S., Karabasil, N., Dimitrijević, M., Vasilev, D. (2021): Antioxidant potential of herbs and spices in nitrite-reduced frankfurter sausages. Fleischwirtschaft 12(2021): 97-104. (M23) 11. Filipović, V., Filipović, J., Petković, M., Filipović, I., Miletić, N., Đurović, I., Lukyanov, A. (2021): Modeling convective thin-layer drying of carrot slices and quality parameters, Thermal Science, nLine-First Issue 00, Pages: 285-285. https://doi.org/10.2298/TSC1210422285F (M23) 12. Nikolić, M.P., Pavlović, K.V., Stanojević-Nikolić, S., Maričić, A., Srdić, V.V. (2021): Synthesis and Characterization of Silica Core/Multilayered Cobalt Ferrite-Silica Shell Particles for Lipase Immobilization, Materials Research, 24(6): e20210130. https://doi.org/10.1590/1980-5373-MR-2021-0130 (M23) 13. Stupar, V, Đalović, I., Knežević, D, Madić, M. Paunović, A. (2021). Genotype × Environment × Management (G×E× M) impacts on grain yield and quality of spring malting barley (<i>Hordeum vulgare</i> L.). <i>Intl J Agric Biol</i> 25: 285–29 ISSN Print: 1560–8530; ISSN Online: 1814–9596 20–1164/2021/25–2–285–290 https://doi.org/10.17957/IJAB/15.1668 (M23) 14. Mitić, M.N., Janković, S., Mitić, S.S., Kočić, G.M., Mašković, P.Z., Đukić, D.A. (2021): Optimization and kinetic modelling of total phenols and flavonoids extraction from <i>Tila cordata</i> M. flowers, South African Journal of Chemistry- Suid- Afrikaans Tydskrif Vir Chemie, Volume 75, 2021, Pages 64-72. http://www.scielo.org.za/scielo.php?script=sci_arttext&pid=S0379-43502021000100007&lng=en&nrm=iso&tlng=en IF- 1.119 (M23) 	
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<p>M30</p> <p>Зборници међународних научних скупова</p>	<p>Предавање по позиву са међународног скупа штампано у целини (неопходно позивно писмо)</p> <p>1. Kurčubić, V., Ilić, Z., Đoković, R., Petrović, M. (2021): Bovine respiratory disease complex (BRDC) - alternatives to common uses of antibiotics. Proceedings of the 3rd International Symposium: Modern Trends in Agricultural Production and Environmental Protection, The Balkans Scientific Center of the Russian Academy of Natural Sciences, Vrnjaska Banja July 01-03, 2021, pp. 50-65. ISBN 978-86-6042-012-3; 63(082) 502/504(082); COBISS.SR-ID 41518857. INVITED PAPERS (M31)</p> <p>2. Petković, M., Lukyanov, A., Miletić, N., Studennikova, S., Filipović, V. (2021): Microwave dehydration of potato slices and assessment of energy efficiency, International Conference "Energy Efficiency and Energy Saving in Technical Systems" EEETS-2021, E3S Web of Conferences, 279, 01018 https://doi.org/10.1051/e3sconf/202127901018 (M31)</p> <p>3. Petković, M., Lukyanov, A., Rudoy, D., Miletić, N., Đurović, I., Filipović, V. (2021): Energy consumption and dehydration parameters of carrot microwave drying, International scientific-technical conference "Dynamics of Technical Systems – 2021", accepted for the publication (M31)</p>	<p>M31 - 3</p>
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4. Vlajić S., Đukić D., **Mandić L.**, Vesković S., **Vesna Đ.**, Bošković I. (2021): Importance of biological supplements based on *Bacillus subtilis*. 3rd International Symposium Modern Trends in Agricultural Production and Environmental Protection, 1-3 July 2021, Vrnjačka Banja, Proceedings, 267-274. ISBN 978-86-6042-012-3; <http://www.raen-bnc.info/konferencije/arhiva/Proceedings%20VB%202021.pdf> (M33)
 5. Bošković I., Đukić D., **Mandić L.**, Govedarica Lučić A., Milić V., Đurđić I. (2021): Interaction of biological indicators of land with plants yield. 3rd International Symposium Modern Trends in Agricultural Production and Environmental Protection, 1-3 July 2021, Vrnjačka Banja, Proceedings, 174-179. ISBN 978-86-6042-012-3; <https://www.raenbnc.info/konferencije/arhiva/Proceedings%20VB%202021.pdf> (M33)
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19. **Petković, M.**, Lukyanov, A., Rudoy, D., **Kurčić, V.**, **Đurović, I.**, **Miletić, N.**, Safarov, J. (2021): Potato thin layer convective dehydration model and energy efficiency estimation, E3S Web Conf., XIV International Scientific and Practical Conference “State and Prospects for the Development of Agribusiness - INTERAGROMASH 2021”, E3S Web of Conferences, 273, 07028. <https://doi.org/10.1051/e3sconf/202127307028> (M33)

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Врста активности/категирије		
Структура и број објављених научних радова, саопштења и публикација	M10	
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