

**В) ГРУПАЦИЈА ТЕХНИЧКО-ТЕХНОЛОШКИХ НАУКА**

**С А Ж Е Т А К  
РЕФЕРАТА КОМИСИЈЕ О ПРИЈАВЉЕНИМ КАНДИДАТИМА  
ЗА ИЗБОР У ЗВАЊЕ**

**I - О КОНКУРСУ**

Назив факултета: **Универзитет у Београду, Технолошко-металуршки факултет**  
Ужа научна, односно уметничка област: **Биохемијско инжењерство и биотехнологија**  
Број кандидата који се бирају: **1**  
Број пријављених кандидата: **1**  
Имена пријављених кандидата: **Александра Ђукић Вуковић**

**II - О КАНДИДАТИМА**

**1) - Основни биографски подаци**

- Име, средње име и презиме: **Александра, Павле, Ђукић-Вуковић**  
- Датум и место рођења: **30.07.1984, Смедерево, Србија**  
- Установа где је запослен: **Универзитет у Београду, Технолошко-металуршки факултет**  
- Звање/радно место: **доцент, Катедра за биохемијско инжењерство и биотехнологију**  
- Научна, односно уметничка област: **технолошко инжењерство – биохемијско инжењерство и биотехнологија**

**2) - Стручна биографија, дипломе и звања**

Основне студије:  
- Назив установе: **Универзитет у Београду, Фармацеутски факултет**  
- Место и година завршетка: **Београд, 2008.**  
Мастер:  
- Назив установе:  
- Место и година завршетка:  
- Ужа научна, односно уметничка област:  
Магистеријум:  
- Назив установе:  
- Место и година завршетка:  
- Ужа научна, односно уметничка област:  
Докторат:  
- Назив установе: **Универзитет у Београду, Технолошко-металуршки факултет**  
- Место и година одбране: **Београд, 2013.**  
- Наслов дисертације: **Производња млечне киселине и пробиотске биомасе на дестилеријској цибри**  
- Ужа научна, односно уметничка област: **Биохемијско инжењерство и биотехнологија**  
Досадашњи избори у наставна и научна звања:  
- Научни саветник: **Институт за проучавање лековитог биље „Др Јосиф Панчић“, 26.09.2024.**  
- Доцент: **Технолошко-металуршки факултет, 31.03.2021.**  
- Асистент са докторатом: **Технолошко-металуршки факултет, 11.07.2018.**

-Виши научни сарадник: Технолошко-металуршки факултет, 30.09.2019.  
 -Научни сарадник: Технолошко-металуршки факултет, 30.04.2014.

### 3) Испуњени услови за избор у ванредног професора

#### ОБАВЕЗНИ УСЛОВИ:

|   | <i>(заокружити испуњен услов за звање у које се бира)</i>                                           | <b>оцена / број година радног искуства</b>                                                                                                                                              |
|---|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Пристапно предавање из области за коју се бира, позитивно оцењено од стране високошколске установе  |                                                                                                                                                                                         |
| 2 | Позитивна оцена педагошког рада у студентским анкетама током целокупног претходног изборног периода | Оцена педагошког рада у периоду од 2021-2024. је одлична >4,5 (4,69). П11=5                                                                                                             |
| 3 | Искуство у педагошком раду са студентима                                                            | Пет година у звању доцента, три године у звању асистента са докторатом на Технолошко-металуршком факултету, пре тога седам година у истраживачким и научним звањима на истом факултету. |

|   | <i>(заокружити испуњен услов за звање у које се бира)</i>                                                     | <b>Број менторства / учешћа у комисији и др.</b>                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | Резултати у развоју научнонаставног подмлатка                                                                 | Ментор 6 одбрањених мастер радова и 19 одбрањених завршних радова. Тренутно је ментор шест студената докторских студија. Члан 2 комисије за избор у вишег научног сарадника. |
| 5 | Учешће у комисији за одбрану три завршна рада на академским специјалистичким, мастер или докторским студијама | Члан комисија за оцену и одбрану 5 докторских дисертације (2 од последњег избора у звање) и 6 комисија за одбрану мастер радова и 25 комисија за одбрану завршних радова.    |

|  | <i>(заокружи ти испуњен услов за звање у које се бира)</i> | <b>Број радова, саопштења, цитата и др</b> | <b>Навести часописе, скупове, књиге и друго</b> |
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| 6 | Објављен један рад из категорије M21; M22 или M23 из научне области за коју се бира | Укупно 50 радова M20 категорија :<br>9xM21a<br>16xM21<br>14xM22<br>11xM23 | <p><b>M21a</b><br/><b>Од избора у претходно звање</b></p> <ol style="list-style-type: none"> <li>1. Atasoy, M., Álvarez Ordóñez, A., Cenian, A., <b>Djukić-Vuković, A.</b>, Lund, P. A., Ozogul, F., ... &amp; De Biase, D. (2023). Exploitation of microbial activities at low pH to enhance planetary health. <i>FEMS Microbiology Reviews</i>, (IF (2022) =11,3)</li> <li>2. Grbić, J. Z., Mladenović, D. D., Veljković, M. B., Lazarević, S. S., Lević, S. M., Lazović, S. S., &amp; <b>Djukić-Vuković, A. P.</b> (2024). Cold plasma/alkaline pretreatment facilitates corn stalk fractionation and valorization towards zero-waste approach. <i>Industrial Crops and Products</i>, 222, 11949 (IF(2024)=6,2)</li> </ol> <p><b>До избора у претходно звање</b></p> <ol style="list-style-type: none"> <li>3. Djukić-Vuković, D. Mladenović, J. Ivanović, J. Pejin, &amp; L. Mojović (2019). <i>Renewable and Sustainable Energy Reviews</i>, 108, 238-252. IF(2019)=12.110</li> <li>4. D. Mladenović, J. Pejin, S. Kocić-Tanackov, Ž. Radovanović, A. Djukić-Vuković, L. Mojović (2018). <i>Industrial Crops and Products</i>, 124, 142-148. IF(2019)=4,244</li> <li>5. I. Djekic, N. Sanjuán, G. Clemente, A. Režek-Jambrak, A. Djukić-Vuković, U. Vrabić Brodnjak, E. Pop, R. Thomopoulos, A. Tonda, (2018). <i>Journal of Cleaner Production</i>, 176, 1012-1025. IF(2018)= 7,051</li> <li>6. Pejin, L. Mojović, D. Pejin, S. Kocić-Tanackov, D. Savić, S. Nikolić, A. Đukić-Vuković, (2015). <i>Fuel</i>, 142, 58–64. IF(2015) = 3,611</li> <li>7. A. Đukić-Vuković, L. Mojović, B. Jokić, S. Nikolić, J. Pejin, (2013). <i>Bioresource technology</i>, 135 (May 2013) 454-458. IF(2013)=5,039</li> <li>8. Mojović, D. Pejin, M. Rakin, J. Pejin, S. Nikolić, A. Đukić-Vuković, (2012). <i>Renewable and sustainable energy reviews</i>, 16 (8) 6040-6047. IF(2012) = 5,627</li> <li>9. A. Đukić-Vuković, Lj. Mojović, M. Vukašinović-Sekulić, M. Rakin, S. Nikolić, J. Pejin, M. Bulatović, (2012). <i>Food Chemistry</i>, 134 (2) 1038-1043. IF(2012)=3,334</li> </ol> <p><b>M21</b><br/><b>Од избора у претходно звање</b></p> <ol style="list-style-type: none"> <li>1. <b>Djukić-Vuković, A.</b>, Meglič, S. H., Flisar, K., Mojović, L., &amp; Miklavčič, D. (2021). Pulsed electric field treatment of <i>Lactocaseibacillus rhamnosus</i> and <i>Lactocaseibacillus paracasei</i>, bacteria with probiotic potential. <i>LWT</i>, 152, 112304. IF (2021)= 6,056</li> <li>2. Gazikalović, I., Mijalković, J., Šekuljica, N., Jakovetić Tanasković, S., <b>Đukić Vuković, A.</b>, Mojović, L., &amp; Knežević-Jugović, Z. (2021). Synergistic Effect of Enzyme Hydrolysis and Microwave Reactor Pretreatment as an Efficient Procedure for Gluten Content Reduction. <i>Foods</i>, 10(9), 2214. IF (2021)=5,561</li> <li>3. Grbić, J., Mladenović, D., Pavlović, S., Lazović, S., Mojović, L., &amp; <b>Djukić-Vuković, A.</b> (2023). Advanced oxidation processes in the treatment of corn stalks. <i>Sustainable Chemistry and Pharmacy</i>, 32, 100962. IF(2022)=6,0</li> <li>4. Mladenović, D., <b>Djukić-Vuković, A.</b>, Stanković, M., Milašinović-Šeremešić, M., Radosavljević, M., Pejin, J., &amp; Mojović, L. (2019). Bioprocessing of agro-industrial residues into lactic acid and probiotic enriched livestock feed. <i>Journal of the Science of Food and Agriculture</i>, 99(12), 5293-5302. IF (2019)=2,614</li> <li>5. <b>Djukić-Vuković, A.</b>, Mira, N. P., Sedlakova-Kadukova, J., De Biase, D., &amp; Lund, P. A. (2022). <i>Microbial Stress: From Model Organisms to</i></li> </ol> |
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|  |  | <p>Applications in Food, Microbiotechnology and Medicine. <i>Frontiers in Microbiology</i>, 13, 945573. Editorial, <b>IF(2022)=5,640</b></p> <p><b>До избора у претходно звање</b></p> <p>6. S. Kocić-Tanackov, G. Dimić, N. Đerić, L. Mojović, V. Tomović, B. Šojić, A. Djukić-Vuković, J. Pejin, (2020). <i>LWT</i>, 123, 109095. <b>IF(2019)=4,005</b></p> <p>7. M. Radosavljević, J. Pejin, M. Pribić, S. Kocić-Tanackov, R. Romanić, D. Mladenović, A. Djukić-Vuković, L. Mojović, (2019). <i>Applied microbiology and biotechnology</i>, 1-13. <b>IF(2019)=3,53</b></p> <p>8. J. Pejin, M. Radosavljević, M. Pribić, S. Kocić-Tanackov, D. Mladenović, A. Djukić-Vuković, L. Mojović (2018). <i>Waste Management</i>, 79, 153-163. <b>IF(2018)=5,431</b></p> <p>9. L. Mančić, A. Djukić-Vuković, I. Dinić, M.G. Nikolić, M.D. Rabasović, A.J. Krmpot, A.M.L.M. Costa, D. Trišić, M. Lazarević, L. Mojović, O. Milošević, (2018). <i>Materials Science and Engineering C: Materials for biological applications</i>, Vol. 91, p. 597-605. <b>IF (2019)= 5,880</b></p> <p>10. A. Đukić-Vuković, D. Mladenović, M. Radosavljević, S. Kocić-Tanackov, J. Pejin, L. Mojović, (2016). <i>Waste management</i>, 48, 478-482. <b>IF(2016)=4,030</b></p> <p>11. D. Mladenović, A. Đukić-Vuković, S. Kocić-Tanackov, J. Pejin, L. Mojović, (2016). <i>Journal of chemical technology and biotechnology</i>, 91 (9)2474-2479. <b>IF(2016)=3,135</b></p> <p>12. A. Đukić-Vuković, B. Jokić, S. Kocić-Tanackov, J. Pejin, L. Mojović (2016). <i>Journal of the Taiwan Institute of Chemical Engineers</i>. 59, 262-266. <b>IF(2016)=4,217</b></p> <p>13. J. Pejin, M. Radosavljević, L. Mojović, S. Kocić-Tanackov, A. Đukić-Vuković, (2015). <i>Food Research International</i>, 73, 31-35. <b>IF(2015)=3,182</b></p> <p>14. A. Đukić-Vuković, L. Mojović, V. Semenčenko, M. Radosavljević, J. Pejin, S. Kocić-Tanackov, (2015). <i>Food Research International</i>, 73, 75-80. <b>IF(2015)=3,182</b></p> <p>15. V. Semenčenko, L. Mojović, A. Đukić-Vuković, M. Radosavljević, D. Terzić, M. Milašinović-Seremešić, (2013). <i>Journal of the science of food and agriculture</i>, 93 (4) 811-818. <b>IF(2013)=1,879</b></p> <p>16. A. Đukić-Vuković, Lj. Mojović, M. Vukašinović-Sekulić, S. Nikolić, J. Pejin, (2013). <i>Bioprocess and biosystems engineering</i>, 36, 1157-1164. <b>IF(2014) = 1,997</b></p> <p><b>M22</b></p> <p><b>Од избора у претходно звање</b></p> <p>1. Mladenović, D., <b>Djukić-Vuković, A.</b>, Veselinović, L., Mijin, D., Kocić-Tanackov, S., &amp; Mojović, L. (2025). Short-Term Microwave-Assisted Peroxide Treatment for Intensified Lignin and Sugar Recovery from Corn cob. <i>Waste and biomass valorization</i>, 1-15.</p> <p>2. Mladenović, D., Grbić, J., Tzani, A., Bogdanović, M., Detsi, A., Radojčin, M., &amp; <b>Djukić-Vuković, A.</b> (2025). Beyond Food Processing: How Can We Sustainably Use Plant-Based Residues? <i>Processes</i>, 13(10), 3179.</p> <p><b>До избора у претходно звање</b></p> <p>3. T. Mitrović, N. Tomić, A. Đukić-Vuković, Z. Dohčević-Mitrović, S. Lazović (2020). <i>Waste and Biomass Valorization</i>, 1-14. <b>IF(2019)=2,851</b></p> <p>4. M. Radosavljević, J. Pejin, M. Pribić, S. Kocić-Tanackov, D. Mladenović, A. Đukić-Vuković, L. Mojović (2020) <i>Journal of Chemical Technology &amp; Biotechnology</i>, 95 (2) 339-347. <b>IF(2019)=2,750</b></p> <p>5. M. Radosavljević, S. Lević, M. Belović, J. Pejin, A. Đukić-Vuković, L. Mojović, V. Nedović (2020) <i>Bioprocess and Biosystems</i></p> |
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|  |  | <p>Engineering, 43(2), 315-322. <b>IF(2019)=2,419</b></p> <p>6. A. Đukić-Vuković, S. Lazović, D. Mladenović, Z. Knežević-Jugović, J. Pejin, L. Mojović (2019). <i>Environmental Science and Pollution Research</i>, 26(35), 35543-35554. <b>IF(2019)=3,056</b></p> <p>7. D. Mladenović, J. Pejin, S. Kocić-Tanackov, A. Đukić-Vuković, L. Mojović (2018). <i>Applied biochemistry and biotechnology</i>, 1-17. <b>IF(2019)=2,277</b></p> <p>8. L. Mancic, A. Djukić-Vuković, I. Dinic, M.G. Nikolic, M.D. Rabasovic, A.J. Krmpot, A.M.L.M. Costa, B.A. Marinkovic, L. Mojovic, O. Milosevic (2018). <i>RSC Advances</i>, 8 (48), 27429-27437. <b>IF(2019)=3.119</b></p> <p>9. J. Pejin, M. Radosavljević, S. Kocić-Tanackov, A. Đukić-Vuković, L. Mojović, (2017) <i>Journal of the Institute of Brewing</i>, 123 (1), 98-104. <b>IF(2015)=1.017</b></p> <p>10. J. Pejin, M. Radosavljević, S. Kocić-Tanackov, D. Mladenović, A. Đukić-Vuković, L. Mojović (2017) <i>Journal of the Institute of Brewing</i>, 123 (4), 537-543. <b>IF(2015)=1.017</b></p> <p>11. M. Radosavljević, J. Pejin, S. Kocić-Tanackov, D. Mladenović, A. Đukić-Vuković, L. Mojović, (2018). <i>Journal of the Institute of Brewing</i>, 124(1), 23-30. <b>IF(2015)=1.017</b></p> <p>12. S. Kocić-Tanackov, G. Dimić, L. Mojović, J. Pejin, I. Tanackov, A. Đukić-Vuković, (2015). <i>Journal of Food Processing and Preservation</i>, 39(6), 887-895. <b>IF(2014)=1,159</b></p> <p>13. S. Stanojević-Nikolić, G. Dimić, L. Mojović, J. Pejin, A. Đukić-Vuković, S. Kocić-Tanackov (2016). <i>Journal of Food Processing and Preservation</i>, 40 (5) 990-998. <b>IF(2014)=1,159</b></p> <p>14. S. Kocić-Tanackov, G. Dimić, L. Mojović, J. Gvozdanović-Varga, A. Đukić-Vuković, V. Tomović, B. Šojić, J. Pejin (2017). <i>Journal of Food Processing and Preservation</i>, 41 (4) e13050, <b>IF(2017)=1,510</b></p> <p><b>M23</b></p> <p><b>Од избора у претходно звање</b></p> <p>1. Miljković, M. G., Davidović, S. Z., <b>Đukić-Vuković, A. P.</b>, Ilić, M. V., Simović, M. B., Rajilić-Stojanović, M. D., &amp; Dimitrijević-Branković, S. I. (2021). Utilization of agro industrial by-products as substrates for dextransucrase production by <i>Leuconostoc mesenteroides</i> T3: Process optimization using response surface methodology. <i>Hemijska industrija</i>, (00), 15-15. <b>IF (2021)= 0,774</b></p> <p>2. Bogdanović, M., Mladenović, D., Mojović, L., Djuriš, J., &amp; <b>Djukić-Vuković, A.</b> (2024). Intraoral administration of probiotics and postbiotics: An overview of microorganisms and formulation strategies. <i>Brazilian Journal of Pharmaceutical Sciences</i>, 60, e23272. <b>IF(2022)=1,3</b></p> <p>3. Kocić-Tanackov, S., Dimić, G., Jakšić, S., Mojović, L., <b>Djukić-Vuković, A.</b>, Mladenović, D., &amp; Pejin, J. (2019). Effects of caraway and juniper essential oils on aflatoxigenic fungi growth and aflatoxins secretion in polenta. <i>Journal of food processing and preservation</i>, 43(12), e14224. <b>IF(2020)=2,190</b></p> <p><b>До избора у претходно звање</b></p> <p>4. Đukić-Vuković, D. Mladenović, V. Nikolić, S. Kocić-Tanackov, J. Pejin, L. Mojović, (2019) <i>Chemical Industry and Chemical Engineering Quarterly</i>, 25 (2) 97-106. <b>IF(2018)=0.806</b></p> <p>5. S. Stanojević-Nikolić, G. Dimić, L. Mojović, J. Pejin, M. Radosavljević, A. Đukić-Vuković, D. Mladenović, S. Kocić-Tanackov (2020). <i>Bioscience of Microbiota, Food and Health</i>, 2019-029. <b>IF(2019)=1,906</b></p> |
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| 7 | Саопштена<br>два рада на<br>научном<br>или<br>стручном<br>скупу<br>(категорије<br>M31-M34 и<br>M61-M64). | Укупно<br>1xM31<br>4xM32<br>13xM33<br>59xM34<br>4xM63<br>4xM64 | <p><b>M31</b><br/><b>Од избора у доцента</b><br/>1. <b>Djukić-Vuković, A.</b> (2021, October). Lactic acid bacteria: from food preservation to active packaging. In IOP Conference Series: Earth and Environmental Science (Vol. 854, No. 1, p. 012025). IOP Publishing. MeatCon conference (61st International Meat Industry Conference, 26-29th September 2021)</p> <p><b>M32</b><br/><b>Од избора у доцента</b><br/>1. <b>Djukić-Vuković</b>, Non-thermal technologies beyond food safety: role in fermented food and food waste valorization, Black Sea Association of Food Science and Technology Congress, 13-14th of December 2023, Belgrade Serbia, Book of abstracts, p. 52.</p> <p><b>До избора у доцента</b><br/>2. <b>Đukić Vuković</b>, D. Mladenović, J. Pejin, S. Kocić-Tanackov, Lj. Mojović, (2017), Proceedings of Fifth International Conference Sustainable Postharvest and Food Technologies INOPTEP 2017 and XXIX National Conference Processing and Energy In Agriculture PTEP 2017, April 23–28, 2017, str. 84, Vršac, Serbia</p> <p>3. <b>Đukić-Vuković</b>, D. Mladnović, L. Mojović (2019) Soković M, editor. Book of abstracts / The 2nd Balkans-China Mini-symposium on Natural Products and Drug Discovery; 2019 Apr 11-13; Belgrade, Serbia. Belgrade, p. 15,</p> <p><b>M33</b><br/><b>До избора у доцента</b><br/>1. <b>Đukić-Vuković</b>, D. Mladenović, J. Pejin, L. Mojović, Proceedings of 4th International Conference on Sustainable Solid Waste Management, Limassol, Cyprus, 23-25. June, 2016</p> <p>2. <b>A. Djukić-Vuković</b>, S. Lazović, D. Mladenović, Z. Knežević-Jugović, J. Pejin, L. Mojović (2018), Proceedings of 6th International Conference on Sustainable Solid Waste Management, Naxos, Greece</p> <p>3. <b>A. Đukić Vuković</b>, S. Nikolić, L. Mojović, D. Pejin, M. Rakin, J. Pejin, M. Bulatović, XIX International Symposium on Alcohol Fuels –</p> |

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| <p>Саопштена<br/>три рада на<br/>међународ<br/>ним или<br/>домаћим<br/>научним<br/>скуповима<br/>(катеорије<br/>M31-M34 и<br/>M61-M64)<br/>од избора у<br/>претходно<br/>звање из<br/>научне<br/>области за<br/>коју се<br/>бира.</p> | <p>1M31<br/>1M32<br/>28M34</p> | <p><b>M31</b><br/><b>Djukić-Vuković, A.</b> (2021, October). Lactic acid bacteria: from food preservation to active packaging. In IOP Conference Series: Earth and Environmental Science (Vol. 854, No. 1, p. 012025). IOP Publishing. MeatCon conference (61st International Meat Industry Conference, 26-29th September 2021)</p> <p><b>M32</b><br/><b>Djukić-Vuković,</b> Non-thermal technologies beyond food safety: role in fermented food and food waste valorization, Black Sea Association of Food Science and Technology Congress, 13-14th of December 2023, Belgrade Serbia, Book of abstracts, p. 52.</p> <p><b>M34</b></p> <ol style="list-style-type: none"> <li>1. Rabasović, M. D., Dinić, I., <b>Đukić Vuković, A.</b>, Lazarević, M., Nikolić, M. G., Krmpot, A., &amp; Mančić, L. (2021). Nonlinear laser scanning microscopy for imaging of the cells labeled by upconverting NaYF<sub>4</sub>: Yb, Er nanoparticles. In Program and the Book of abstracts/Serbian Ceramic Society Conference Advanced Ceramics and Application IX: New Frontiers in Multifunctional Material Science and Processing, Serbia, Belgrade, 20-21. September 2021, 2021, 36-36 (pp. 35-35). Belgrade: Serbian Ceramic Society. <a href="https://dais.sanu.ac.rs/handle/123456789/11912">https://dais.sanu.ac.rs/handle/123456789/11912</a></li> <li>2. Kocić-Tanackov, S., Bulut, S., Dimić, G., Mojović, L., Gvozdanić-Varga, J., <b>Đukić Vuković, A.</b>, ... &amp; Pejin, J. (2021). Antifungal potential of garlic essential oil on Aspergillus species isolated from food. In Book of abstracts, 7th International conference sustainable postharvest and food technologies-INOPTEP 2021, 18-23. april 2021, Vršac, Serbia (pp. 52 53). Novi Sad: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi. <a href="https://fiver.ifvcns.rs/handle/123456789/2381">https://fiver.ifvcns.rs/handle/123456789/2381</a></li> <li>3. J. Grbić, D. Mladenović, S. Pavlović, Đ. Veljović, S. Lazović, <b>A. Djukić-Vuković</b>, Effects of combined non-thermal plasma/Fenton treatment on lignocellulose degradation in corn stalks. (2023) 8th International Congress "Engineering, Environment and Materials in Process Industry" - EEM 2023, March 20th-23rd 2023, Jahorina, Bosnia and Herzegovina. Book of Abstracts, page 154 (ISBN: 978-99955-81-44-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6344">https://technorep.tmf.bg.ac.rs/handle/123456789/6344</a></li> <li>4. J. Grbić, M. Bogdanović, D. Mladenović, S. Lazović, L. Mojović, <b>A. Djukić-Vuković</b>, Effect of non-thermal plasma treatment on antioxidative and prebiotic properties of aqueous herbal extracts. (2023) 8th International Congress "Engineering, Environment and Materials in Process Industry" - EEM 2023, March 20th-23rd 2023, Jahorina, Bosnia and Herzegovina. Book of Abstracts, page 155 (ISBN: 978-99955-81-44-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6345">https://technorep.tmf.bg.ac.rs/handle/123456789/6345</a></li> <li>5. J. Grbić, D. Mladenović, J. Žilović, S. Lazović, D. Mijin, <b>A. Djukić-Vuković</b>, Different treatments of lignocellulosic biomass for enhanced delignification and enzymatic hydrolysis. (2023). International Conference on Biochemical Engineering and Biotechnology for Young Scientists. 7th-8th December 2023. Belgrade, Serbia. Book of Abstracts, page 62 (ISBN: 978 86-7401-389-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6942">https://technorep.tmf.bg.ac.rs/handle/123456789/6942</a></li> <li>6. M. Mladenović, J. Grbić, M. Moskovljević, M. Bogdanović, D. Mladenović, I. Lukić, <b>A. Djukić-Vuković</b>, By-products from the processing of herbs as sources of antioxidants. International Conference on Biochemical Engineering and Biotechnology for Young Scientists, 7th-8th December 2023. Belgrade, Serbia. Book of Abstracts, page 20 (ISBN: 978 86-7401-389-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6944">https://technorep.tmf.bg.ac.rs/handle/123456789/6944</a></li> </ol> |
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|  |  |  | <ol style="list-style-type: none"> <li>7. <b>Djukić-Vuković</b>, J. Grbić, M. Bogdanović, D. Mijin, S. Lazović, D. Mladenović, L. Mojović, Cold plasma assisted resource recovery from corn stalks as agri-food industry wastes. (2023). 8th International Conference Sustainable postharvest and food technologies - INOPTeP 2023, April 23rd-28th 2023, Palić, Serbia. Book of Abstracts, page 33 (ISBN: 978 86-7520-581-4). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6749">https://technorep.tmf.bg.ac.rs/handle/123456789/6749</a></li> <li>8. <b>A. Djukić-Vuković</b>, J. Grbić, D. Mladenović, S. Pavlović, S. Lazović, L. Mojović, Corn stalks as a lignocellulose substrate for biorefinery applications. (2023). 10th International 14 Conference on Sustainable Solid Waste Management, June 21st-24th 2023, Chania, Greece. National Technical University of Athens, NTUA. <a href="https://technorep.tmf.bg.ac.rs/bitstream/id/18301/372.CHANIA2023_DjukicVukovic_II_1315-1330.pdf">https://technorep.tmf.bg.ac.rs/bitstream/id/18301/372.CHANIA2023_DjukicVukovic_II_1315-1330.pdf</a></li> <li>9. M. Mladenović, M. Bogdanović, D. Mladenović, <b>A. Djukić-Vuković</b>, L. Mojović, Common nettle processing residues as a valuable source of antioxidants. 10th International Conference on Sustainable Solid Waste Management, June 21st-24th 2023, Chania, Greece. National Technical University of Athens, NTUA. <a href="http://generalchemistry.chemeng.ntua.gr/uest/chania2023/posters/CostEstimationPayment/64514322d7773mvOsd/1961_Chania2023_Mojovic_poster.pdf">http://generalchemistry.chemeng.ntua.gr/uest/chania2023/posters/CostEstimationPayment/64514322d7773mvOsd/1961_Chania2023_Mojovic_poster.pdf</a></li> <li>10. D. Mladenović, J. Grbić, <b>A. Djukić-Vuković</b>, L. Mojović, Fractionation of corncob biomass towards sustainable valorization in biorefinery processes. (2023). 10th International Conference on Sustainable Solid Waste Management, June 21st-24th 2023, Chania, Greece. National Technical University of Athens, NTUA. <a href="https://technorep.tmf.bg.ac.rs/bitstream/id/18299/408.CHANIA2023_Mladenovic_VII_1915-1930.pdf">https://technorep.tmf.bg.ac.rs/bitstream/id/18299/408.CHANIA2023_Mladenovic_VII_1915-1930.pdf</a></li> <li>11. D. Mladenović, J. Grbić, P. Petrović, <b>A. Djukić-Vuković</b>, S. Lazović, L. Mojović, Sub-lethal exposure of <i>Lactocaseibacillus paracasei</i> to atmospheric nonthermal plasma alters its membrane and response to low pH. (2023). 10th Congress of European Microbiologists, FEMS2023, July 9th-13th 2023, Hamburg, Germany. Abstract Book, page 40. <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6738">https://technorep.tmf.bg.ac.rs/handle/123456789/6738</a></li> <li>12. <b>Djukić-Vuković</b>, D. Mladenović, L. Mojović, Agri-food industry wastes as substrates for lactic acid production – an overview of different strategies, (2023), Microbial stress meeting, 19-21. September, 2023, Vienna, Austria, Book of Abstracts, page 24.</li> <li>13. <b>A. Đukić-Vuković</b>, J. Grbić, D. Mladenović, S. Lazović, L. Mojović, Advanced oxidation processes in treatment of agricultural biomass residues, 9th International Conference on Sustainable Solid Waste Management, Corfu, June 15th-18th 2022, National Technical University of Athens, Online Proceedings, <a href="http://corfu2022.uest.gr/proceedings.html">http://corfu2022.uest.gr/proceedings.html</a>.</li> <li>14. D. Mladenović, J. Grbić, <b>A. Đukić-Vuković</b>, L. Mojović, Improvement of enzymatic saccharification of corn cob by microwave-assisted peroxide treatment, 9th International Conference on Sustainable Solid Waste Management, Corfu, June 15th-18th 2022, National Technical University of Athens, Online Proceedings, <a href="http://corfu2022.uest.gr/proceedings.html">http://corfu2022.uest.gr/proceedings.html</a>.</li> <li>15. L. Mojović, J. Jović, D. Mladenović, <b>A. Djukić-Vuković</b>, Novel autochthonous fungi for the treatment of lignocellulosic biomass, 9th International Conference on Sustainable Solid Waste Management, Corfu, June 15th-18th 2022, National Technical University of Athens, Online Proceedings, <a href="http://corfu2022.uest.gr/proceedings.html">http://corfu2022.uest.gr/proceedings.html</a>.</li> <li>16. <b>Djukić-Vuković</b>, Conor O'Byrne, Oded Liran, Ott Scheler, Carmit Ziv, Nuno Mira, Karolina Rudnicka, Sholeem Griffin, Rebecca A. Hall, Zeynep</li> </ol> |
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|  |  |  | <p>Cetecioglu, Jana Sedlakova-Kadukova, Matthias Steiger, Sofia R. Pauleta, Merve Atasoy, Ricardo Santos, Fatih Ozogul, Daniela De Biase, Peter A. Lund, Understanding and exploiting the impacts of low pH on micro-organisms: a COST Action, FEMS Conference on Microbiology, Belgrade 2022, The Federation of European Microbiological Societies, 30th June – 2nd July 2023. <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6243">https://technorep.tmf.bg.ac.rs/handle/123456789/6243</a></p> <p>17. <b>Djukić-Vuković</b>, Aricia Possas, Conor O’Byrne, Ott Scheler, Carmit Ziv, Nuno Mira, Karolina Rudnicka, Sholeem Griffin, Rebecca A. Hall, Zeynep Cetecioglu, Jana Sedlakova-Kadukova, Matthias Steiger, Sofia R. Pauleta, Merve Atasoy, Ricardo Santos, Fatih Ozogul, Daniela De Biase, Peter A. Lund, Understanding and exploiting the impacts of low pH on micro-organisms, 11th Central European Congress on Food and Nutrition, CEFOOD 2022 Congress book, Page 304. Editors: Peter Raspor, Irena Vovk, Andre Ovca, Sonja Smole Možina, Bojan Butinar, Mojca Jevšnik, Ljubljana 2022, ISBN 978-961-95942 0-9, COBISS.SI-ID 122200835 <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6244?show=full&amp;locale-attribute=en">https://technorep.tmf.bg.ac.rs/handle/123456789/6244?show=full&amp;locale-attribute=en</a></p> <p>18. Grbić, J., Mladenović, D., Bogdanović, M., &amp; <b>Djukić-Vuković, A.</b> (2025). Natural deep eutectic solvents for efficient mild pretreatment of crop residues. In <i>Book of Abstracts/International Conference Biobased Future: Green bioprocessing for innovative bioactive products</i> (pp. 80-81). University of Belgrade, Faculty of Technology and Metallurgy.</p> <p>19. Grbić, J., Mladenović, D., Bogdanović, M., Kannappan Karthikeyan, P., Radu, T., Lazović, S., &amp; <b>Djukić-Vuković, A.</b> (2025). Low-energy alkaline hydrogen peroxide pretreatment for high-value application of corn stalk. In <i>12th International Conference on Sustainable Solid Waste Management, 25-28 June 2025, Paphos, Cyprus</i>. Athens: National Technical University of Athens, School of Chemical Engineering, Unit of Environmental Science &amp; Technology.</p> <p>20. Grbić, J., Bogdanović, M., Mladenović, D., Lazović, S., Radu, T., &amp; <b>Djukić-Vuković, A.</b> (2025). A novel biorefinery approach for fractionation of crop residues. In <i>Book of Abstracts/Ninth International Conference Sustainable Postharvest and Food Technologies-INOPTTEP 2025 and XXXVII National Conference Processing and Energy in Agriculture-PTEP 2025, April 7th-10th, 2025, Zlatibor, Serbia</i>.</p> <p>21. Grbić, J., Mladenović, D., Bogdanović, M., Lazović, S., Mojović, L., &amp; <b>Djukić-Vuković, A.</b> (2024). Cold plasma treatment as green technology in food processing. In <i>e-Abstract book/5th International Congress" Food Technology, Quality and Safety", 16-18 October 2024, Novi Sad</i> (p. 4). Novi Sad: Institute of Food Technology.</p> <p>22. Mladenović, D., Grbić, J., <b>Djukić-Vuković, A.</b>, &amp; Mojović, L. (2024). Microwave-intensified peroxide treatment for selective lignin removal and improved adsorption performance of agricultural waste. In <i>Programme and Abstract Book/20th International Conference on Renewable Resources and Biorefineries-Impacting SDGs by Renewables, RRB2024, 5–7 June 2024, Brussels, Belgium</i> (p. P34). Belgium: Ghent University.</p> <p>23. Mladenović, M., Grbić, J., Moskovljević, M., Bogdanović, M., Mladenović, D., Lukić, I., &amp; <b>Djukić-Vuković, A.</b> (2023). By-products from the processing of herbs as sources of antioxidants. In <i>Book of Abstracts/International Conference on Biochemical Engineering and Biotechnology for Young Scientists, 7-8 December, 2023, Belgrade</i> (p. 20). Belgrade: University, Faculty of Technology and Metallurgy.</p> <p>24. Grbić, J., Mladenović, D., Žilović, J., Lazović, S., Mijin, D., &amp; <b>Djukić-Vuković, A.</b> (2023). Different treatments of lignocellulosic biomass for enhanced delignification and enzymatic hydrolysis. In <i>Book of</i></p> |
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|  |  |  | <p><i>Abstracts/International Conference Biochemical Engineering and Biotechnology for Young Scientists, 7-8 December, 2023, Belgrade</i> (p. 62). Belgrade: University, Faculty of Technology and Metallurgy.</p> <p>25. Mladenović, D., Grbić, J., Petrović, P., <b>Đukić-Vuković, A.</b>, Lazović, S., &amp; Mojović, L. (2023). Sub-lethal exposure of <i>Lactocaseibacillus paracasei</i> to atmospheric nonthermal plasma alters its membrane and response to low pH. In <i>Abstract Book/10th Congress of European Microbiologists, FEMS2023, 9-13 July 2023, Hamburg, Germany</i> (p. 40). Federation of European Microbiological Societies (FEMS).</p> <p>26. <b>Đukić-Vuković, A.</b>, Grbić, J., Mladenović, D., Pavlović, S., Lazović, S., &amp; Mojović, L. (2023). Corn stalks as a lignocellulose substrate for biorefinery applications. In <i>10th International Conference on Sustainable Solid Waste Management, Chania2023, 21-24 June, Chania, Greece</i>. National Technical University of Athens.</p> <p>27. Mladenović, D., Grbić, J., <b>Đukić-Vuković, A.</b>, &amp; Mojović, L. (2023). Fractionation of corncob biomass towards sustainable valorization in biorefinery processes. In <i>10th International Conference on Sustainable Solid Waste Management, Chania2023, 21-24 June, Chania, Greece</i>. National Technical University of Athens.</p> <p>28. <b>Đukić-Vuković, A.</b>, Grbić, J., Bogdanović, M., Mijin, D., Lazović, S., Mladenović, D., &amp; Mojović, L. (2023). Cold plasma assisted resource recovery from corn stalks as agri-food industry wastes. In <i>Book Of Abstracts/VIII International Conference Sustainable Postharvest And Food Technologies-INOPTeP2023 and XXXV Scientific-Professional Conference Processing And Energy In Agriculture-PTEP2023, Subotica, Palić, 23–28. April 2023</i> (pp. 33-34). Novi Sad: National Society of Processing and Energy in Agriculture.</p> |
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| 10 | Оригинално стручно остварење или руковођење или учешће у пројекту | 1 M101<br>2 M104<br>6 M105<br>3 M107 | <p><b>Руковођење међународним научним или стручно-професионалним пројектом (M101)</b><br/> <b>Од избора у звање доцента</b><br/> Cold plasma assisted resource recovery from agri-food industry wastes (SparkGREEN) (ANSO-CR-PP-2022-08), финансирана од стране Алијансе међународних научних организација (2023-2025, партнери: Shanghai Advanced Research Institute, Кина; Loughborough University, Уједињено Краљевство, National Technical University Athens, Грчка).</p> <p><b>Руковођење билатералним пројектима или руковођење пројектима, студијама, елаборатима и сл. са привредом (M104)</b><br/> <b>До избора у звање доцента</b><br/> 1. Integrated pulsed electric field extraction and lactic acid bacteria fermentation for the production of microalgal extracts fortified with probiotics (PEF4AlgBiotics)- (2017-2018) ТМФ, Србија/ Karlsruhe Institute of Technology, Немачка<br/> 2. Electroporation of lactic acid bacteria- effects on in vitro probiotic characteristics” (2018-2019) ТМФ, Србија/Факултета за електротехнику, Словенија</p> <p><b>Учешће у међународном научном или стручно професионалном пројекту (M105)</b><br/> <b>Од избора у звање доцента</b><br/> Национални представник у „COST Action CA 18113: Understanding and exploiting the impacts of low pH on micro-organisms“ (trajanje: 2019 - 2023). Од 2020. године, др Александра Ђукић Вуковић је била председавајућа ITC/ECI комитета CA 18113 и Grant Awarding coordinator.</p> <p><b>До избора у звање доцента</b><br/> 1. COST Action TD 1104 - European network for development of electroporation - based technologies and treatments (EP4Bio2Med)“ (2012 - 2016)<br/> 2. COST Action CA17128: Establishment of a Pan European Network on the Sustainable Valorisation of Lignin“ (2016-2020).<br/> 3. CEEPUS/CIII-RS-1512-01-2021 „Improving Food Quality with Novel Food Processing Technologies<br/> 4. Improvement of bulk chemical production on renewable biomass – Shanghai Advanced Research Institute, Шангај, Кина/ ТМФ, Универзитет у Београду, Србија<br/> 5. Међународни технолошко-развојни пројекат са Републиком Кином: „Развој нових биолошких поступака за добијање производа са додатном вредношћу на агро-индустријском отпаду“,Shanghai Advanced Research Institute, Шангај, Кина / ТМФ, Универзитет у Београду, Србија</p> <p><b>Учешће у пројектима финансираним од стране надлежног Министарства (M107)</b><br/> 1. "Производња млечне киселине и пробиотика на отпадним производима прехранбене и агро- индустрије (ТР 31017)“ - Национални пројекат технолошког развоја МПНТР (2011 – 2019).<br/> 2. „Повећање ефикасности производње биоетанола на обновљивим сировинама потпуним искоришћењем споредних производа (ТР 18002)“ - Пројекат технолошког развоја МПНТР (2010)<br/> 3. „Развој биотехнолошких поступака за производњу адитива и нових формулација за прехранбену индустрију (ТР 20064)“ - Пројекат технолошког развоја МПНТР (2009)</p> |
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| 11 | Одобрен и објављен уџбеник за ужу област за коју се бира, монографија, практикум или збирка задатака (са ISBN бројем)                                                                          | 1x П32 | <u>А.Ђукић-Вуковић</u> , Практикум из фармацеутске биотехнологије, 2025, Технолошко-металуршки факултет, Београд, 82 стране, (ISBN 978-86-7401-397-7). |
| 12 | Објављен један рад из категорије М21, М22 или М23 у периоду од последњег избора из научне области за коју се бира. (за поновни избор ванр. проф)                                               |        |                                                                                                                                                        |
| 13 | Саопштена три рада на међународним или домаћим научним скуповима (категорије М31-М34 и М61-М64) у периоду од последњег избора из научне области за коју се бира. (за поновни избор ванр. проф) |        |                                                                                                                                                        |

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| 14 | Објављена<br>два рада из<br>категорије<br>M21, M22<br>или M23<br>од првог<br>избора у<br>звање<br>ванредног<br>професора<br>из научне<br>области за<br>коју се<br>бира.                                                                                                                                                                                              |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 15 | Цитиранос<br>т од 10<br>хетеро<br>цитата                                                                                                                                                                                                                                                                                                                             |                          | Према подацима у бази података Scopus до 29.11.2025. радови др<br>Александра Ђукић Вуковић су цитирани 1019 пута (без цитата свих<br>коаутора) уз h-индекс 19.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 16 | Саопштено<br>пет радова<br>на<br>међународ<br>ним или<br>домаћим<br>скуповима<br>(категорије<br>M31-M34 и<br>M61-M64)<br>од којих<br>један мора<br>да буде<br>пленарно<br>предавање<br>или<br>предавање<br>по позиву<br>на<br>међународ<br>ном или<br>домаћем<br>научном<br>скупу од<br>избора у<br>претходно<br>звање из<br>научне<br>области за<br>коју се<br>бира | 1xM31<br>1xM32<br>28xM34 | <p><b>M31 Предавање по позиву са међународног скупа штампано у целини</b><br/> <b>Djukić-Vuković, A.</b> (2021, October). Lactic acid bacteria: from food preservation to active packaging. In IOP Conference Series: Earth and Environmental Science (Vol. 854, No. 1, p. 012025). IOP Publishing. MeatCon conference (61st International Meat Industry Conference, 26-29th September 2021)</p> <p><b>M32 Предавање по позиву са међународног скупа штампано у изводу</b><br/> <b>Djukić-Vuković,</b> Non-thermal technologies beyond food safety: role in fermented food and food waste valorization, Black Sea Association of Food Science and Technology Congress, 13-14th of December 2023, Belgrade Serbia, Book of abstracts, p. 52.</p> <ol style="list-style-type: none"> <li>1. Rabasović, M. D., Dinić, I., <b>Đukić Vuković, A.</b>, Lazarević, M., Nikolić, M. G., Krmpot, A., &amp; Mančić, L. (2021). Nonlinear laser scanning microscopy for imaging of the cells labeled by upconverting NaYF4: Yb, Er nanoparticles. In Program and the Book of abstracts/Serbian Ceramic Society Conference Advanced Ceramics and Application IX: New Frontiers in Multifunctional Material Science and Processing, Serbia, Belgrade, 20-21. September 2021, 2021, 36-36 (pp. 35-35). Belgrade: Serbian Ceramic Society. <a href="https://dais.sanu.ac.rs/handle/123456789/11912">https://dais.sanu.ac.rs/handle/123456789/11912</a></li> <li>2. Kocić-Tanackov, S., Bulut, S., Dimić, G., Mojović, L., Gvozdanić-Varga, J., <b>Đukić Vuković, A.</b>, ... &amp; Pejin, J. (2021). Antifungal potential of garlic essential oil on Aspergillus species isolated from food. In Book of abstracts, 7th International conference sustainable postharvest and food technologies-INOPTER 2021, 18-23. april 2021, Vršac, Serbia (pp. 52 53). Novi Sad: Nacionalno društvo za procesnu tehniku i energetiku u poljoprivredi. <a href="https://fiver.ifvcns.rs/handle/123456789/2381">https://fiver.ifvcns.rs/handle/123456789/2381</a></li> <li>3. J. Grbić, D. Mladenović, S. Pavlović, Đ. Veljović, S. Lazović, <b>A. Djukić-Vuković,</b> Effects of combined non-thermal plasma/Fenton treatment on lignocellulose degradation in corn stalks. (2023) 8th International Congress "Engineering, Environment and Materials in Process Industry" - EEM 2023, March 20th-23rd 2023, Jahorina, Bosnia and Herzegovina. Book of Abstracts, page 154 (ISBN: 978-99955-81-44-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6344">https://technorep.tmf.bg.ac.rs/handle/123456789/6344</a></li> </ol> |

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|  |  |  | <ol style="list-style-type: none"> <li>4. J. Grbić, M. Bogdanović, D. Mladenović, S. Lazović, L. Mojović, <b>A. Djukić-Vuković</b>, Effect of non-thermal plasma treatment on antioxidative and prebiotic properties of aqueous herbal extracts. (2023) 8th International Congress "Engineering, Environment and Materials in Process Industry" - EEM 2023, March 20th-23rd 2023, Jahorina, Bosnia and Herzegovina. Book of Abstracts, page 155 (ISBN: 978-99955-81-44-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6345">https://technorep.tmf.bg.ac.rs/handle/123456789/6345</a></li> <li>5. J. Grbić, D. Mladenović, J. Žilović, S. Lazović, D. Mijin, <b>A. Djukić-Vuković</b>, Different treatments of lignocellulosic biomass for enhanced delignification and enzymatic hydrolysis. (2023). International Conference on Biochemical Engineering and Biotechnology for Young Scientists. 7th-8th December 2023. Belgrade, Serbia. Book of Abstracts, page 62 (ISBN: 978 86-7401-389-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6942">https://technorep.tmf.bg.ac.rs/handle/123456789/6942</a></li> <li>6. M. Mladenović, J. Grbić, M. Moskovljević, M. Bogdanović, D. Mladenović, I. Lukić, <b>A. Djukić-Vuković</b>, By-products from the processing of herbs as sources of antioxidants. International Conference on Biochemical Engineering and Biotechnology for Young Scientists, 7th-8th December 2023. Belgrade, Serbia. Book of Abstracts, page 20 (ISBN: 978 86-7401-389-2). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6944">https://technorep.tmf.bg.ac.rs/handle/123456789/6944</a></li> <li>7. <b>Djukić-Vuković</b>, J. Grbić, M. Bogdanović, D. Mijin, S. Lazović, D. Mladenović, L. Mojović, Cold plasma assisted resource recovery from corn stalks as agri-food industry wastes. (2023). 8th International Conference Sustainable postharvest and food technologies - INOPTEP 2023, April 23rd-28th 2023, Palić, Serbia. Book of Abstracts, page 33 (ISBN: 978 86-7520-581-4). <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6749">https://technorep.tmf.bg.ac.rs/handle/123456789/6749</a></li> <li>8. <b>A. Djukić-Vuković</b>, J. Grbić, D. Mladenović, S. Pavlović, S. Lazović, L. Mojović, Corn stalks as a lignocellulose substrate for biorefinery applications. (2023). 10th International 14 Conference on Sustainable Solid Waste Management, June 21st-24th 2023, Chania, Greece. National Technical University of Athens, NTUA. <a href="https://technorep.tmf.bg.ac.rs/bitstream/id/18301/372.CHANIA2023_DjukicVukovic_II_1315-1330.pdf">https://technorep.tmf.bg.ac.rs/bitstream/id/18301/372.CHANIA2023_DjukicVukovic_II_1315-1330.pdf</a></li> <li>9. M. Mladenović, M. Bogdanović, D. Mladenović, <b>A. Djukić-Vuković</b>, L. Mojović, Common nettle processing residues as a valuable source of antioxidants. 10th International Conference on Sustainable Solid Waste Management, June 21st-24th 2023, Chania, Greece. National Technical University of Athens, NTUA. <a href="http://generalchemistry.chemeng.ntua.gr/uest/chania2023/posters/CostEstimationPayment/64514322d7773mvOsd/1961_Chania2023_Mojovic_poster.pdf">http://generalchemistry.chemeng.ntua.gr/uest/chania2023/posters/CostEstimationPayment/64514322d7773mvOsd/1961_Chania2023_Mojovic_poster.pdf</a></li> <li>10. D. Mladenović, J. Grbić, <b>A. Djukić-Vuković</b>, L. Mojović, Fractionation of corncob biomass towards sustainable valorization in biorefinery processes. (2023). 10th International Conference on Sustainable Solid Waste Management, June 21st-24th 2023, Chania, Greece. National Technical University of Athens, NTUA. <a href="https://technorep.tmf.bg.ac.rs/bitstream/id/18299/408.CHANIA2023_Mladenovic_VII_1915-1930.pdf">https://technorep.tmf.bg.ac.rs/bitstream/id/18299/408.CHANIA2023_Mladenovic_VII_1915-1930.pdf</a></li> <li>11. D. Mladenović, J. Grbić, P. Petrović, <b>A. Djukić-Vuković</b>, S. Lazović, L. Mojović, Sub-lethal exposure of <i>Lactocaseibacillus paracasei</i> to atmospheric nonthermal plasma alters its membrane and response to low pH. (2023). 10th Congress of European Microbiologists, FEMS2023, July 9th-13th 2023, Hamburg, Germany. Abstract Book, page 40. <a href="https://technorep.tmf.bg.ac.rs/handle/123456789/6738">https://technorep.tmf.bg.ac.rs/handle/123456789/6738</a></li> <li>12. <b>Djukić-Vuković</b>, D. Mladenović, L. Mojović, Agri-food industry wastes as substrates for lactic acid production – an overview of different strategies,</li> </ol> |
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| 17 | Књига из релевантне области, одобрен џбеник за ужу област за коју се |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|    | бира,<br>поглавље у<br>одобrenom<br><u>уџбенику</u><br>за <u>ужу</u><br>област за<br>коју се<br>бира или<br><u>превод</u><br><u>иностраног</u><br>уџбеника<br>одобреног<br>за <u>ужу</u><br>област за<br>коју се<br>бира,<br>објављени<br>у периоду<br>од избора у<br>наставничк<br>о звање |  |                                                                                 |
| 18 | Број<br>радова као<br>услов за<br>менторство<br>у вођењу<br>докт.<br>дисерт. –<br>(стандард 9<br>Правилник<br>а о<br>стандарди<br>ма...)                                                                                                                                                    |  | Укупно <b>50</b> радова М20 категорија:<br>9хМ21а<br>16хМ21<br>14хМ22<br>11хМ23 |

#### ИЗБОРНИ УСЛОВИ:

| <i>(изабрати 2 од 3 услова)</i>   | <i>Заокружити ближе одреднице<br/>(најмање по једна из 2 изабрана услова)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| 1. Стручно-професионални допринос | 1. Председник или члан уређивачког одбора научног часописа или зборника радова у земљи или иностранству.<br>2. Председник или члан организационог одбора или учесник на стручним или научним скуповима националног или међународног нивоа.<br>3. Председник или члан у комисијама за израду завршних радова на академским специјалистичким, мастер и докторским студијама.<br>4. Аутор или коаутор елабората или студија.<br>5. Руководилац или сарадник у реализацији пројеката.<br>6. Иноватор, аутор или коаутор прихваћеног патента, техничког унапређења, експертиза, рецензија радова или пројеката.<br>7. Поседовање лиценце. |

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| <p>2. Допринос академској и широј заједници</p>                                                                                             | <p>1. Председник или члан органа управљања, стручног органа, помоћних стручних органа или комисија на факултету или универзитету у земљи или иностранству.<br/> 2. Члан стручног, законодавног или другог органа и комисија у широј друштвеној заједници.<br/> 3. Руковођење активностима од значаја за развој и углед факултета, односно Универзитета.<br/> 4. Руковођење или учешће у ваннаставним активностима студената.<br/> 5. Учешће у наставним активностима који не носе ЕСПБ бодове (перманентно образовање, курсеви у организацији професионалних удружења и институција или сл.).<br/> 6. Домаће или међународне награде и признања у развоју образовања или науке.</p> |
| <p>3. Сарадња са другим високошколским, научноистраживачким установама, односно установама културе или уметности у земљи и иностранству</p> | <p>1. Учешће у реализацији пројеката, студија или других научних остварења са другим високошколским или научноистраживачким установама у земљи или иностранству.<br/> 2. Радно ангажовање у настави или комисијама на другим високошколским или научноистраживачким установама у земљи или иностранству,<br/> 3. Руковођење или чланство у органима или професионалним удружењима или организацијама националног или међународног нивоа.<br/> 4. Учешће у програмима размене наставника и студената.<br/> 5. Учешће у изради и спровођењу заједничких студијских програма.<br/> 6. Гостовања и предавања по позиву на универзитетима у земљи или иностранству.</p>                  |

1.1. Др Александра Ђукић-Вуковић је била члан уредништва међународног научног часописа *Frontiers in Microbiology*, издавач: Frontiers, и националног часописа *Journal of Processing and Energy in Agriculture*

1.2. Члан је научног одбора међународних конференција *International conference on sustainable solid waste management* (2016-2025), INOPTER2023, и члан је научног и организационог одбора INOPTER2025.

1.3. Била је члан 4 комисије за оцену и одбрану докторске дисертације на Технолошко-металуршком факултету Универзитета у Београду и 1 комисије на Технолошком факултету Универзитета у Новом Саду. Била је ментор и председник комисије за одбрану 6 мастер радова на Технолошко-металуршком факултету.

1.5. Руководила је 1 научно-истраживачки међународни и два билатерална међународна пројекта и учествовала на још шест међународних пројеката (билатерални, технолошко-развојни, КОСТ) и три национална пројекта финансираних од стране Министарства просвете, науке и технолошког развоја.

1.6. Коаутор је једног регистрованог патента и два техничка решења. Рецензирала за Министарство просвете, науке и технолошког развоја у оквиру програма билатералне међународне сарадње и програма технолошко-развојних пројеката, као и за Европску комисију (Хоризон Еуропа и СВЕ-ЈУ). Резензирала је радове за бројне научне часописе.

2.1. Била је члан је комисије за промоцију ТМФ (2019-2024), члан пописне комисије катедре за БИБ ТМФ (2018-2025), члан комисије за упис ТМФ (2020-2025) и секретар катедре за БИБ ТМФ (2018-2024).

2.3. Била је координатор такмичења „TechCaseStudy“ за средњошколце на ТМФ-у (2019-2024).

**2.4.** Др Александра Ђукић Вуковић је учествовала у активностима Савеза Студената ТМФ-а, укључујући рад њиховог ЦНИРС центра.

**2.6.** Др Александра Ђукић Вуковић је добитник награде задужбине „Ђоке Влајковића“ за најбољи рад младог научника Универзитета у Београду (2021).

**3.1.** АНСО пројекат SparkGREEN којим руководи др Ђукић Вуковић је међународни колаборативни пројекат у којем учествују међународни партнери Shanghai Advanced Research Institute / China, National Technical University of Athens / Greece, Loughborough University –UK и Институт за физику Универзитета у Београду.

**3.2.** Била је председник комисије за избор у звање вишег научног сарадника на Институту за проучавање лековитог биља „Др Јосиф Панчић“ и члан комисије за избор једног асистента на Фармацеутском факултету, као и члан комисије за избор вишег научног сарадника у Институту за кукуруз Земун поље.

**3.3.** Члан је председништва Националног друштва за процесну технику и енергетику у пољопривреди, као и члан Удружења прехранбених технолога Србије, Удружења микробиолога Србије, Савеза фармацеутских удружења Србије.

**3.4.** Гостујуће наставне мобилности на Универзитету у Сегедину, МАТЕ Универзитету у Будимпешти, Мађарска; AgroBioTech Нитра, Словачка; БОКУ Универзитету у Бечу, Аустрији.

### III - ЗАКЉУЧНО МИШЉЕЊЕ И ПРЕДЛОГ КОМИСИЈЕ

На основу биографских података, материјала поднетог од стране пријављеног кандидата и приказа досадашњих резултата, као и на основу важећег Правилника о начину и поступку стицања звања и заснивања радног односа Технолошко-металуршког факултета Универзитета у Београду, Комисија је анализирали и оценили досадашњи рад и остварене резултате пријављене кандидаткиње што је приказано у извештају (реферату).

Комисија се сагласила да је кандидаткиња др Александра Ђукић Вуковић у потпуности задовољила све услове предвиђене конкурсом (обавезне и изборне). Докторирала је на теми из уже научне области Биохемијско инжењерство и биотехнологија у оквиру које је и фокус њеног научно-истраживачког рада (биотехнолошка производња хране, хемикалија, пробиотица и биофармацеутика углавном на обновљивим сировинама). Др Александра Ђукић Вуковић је стекла значајно педагошко искуство у току рада на Технолошко-металуршком факултету Универзитета у Београду као асистент са докторатом и доцент. Педагошки рад др Александре Ђукић Вуковић се може оценити као изузетно успешан и у студентским анкетама је оцењен као одличан. Такође, др Александра Ђукић Вуковић је објавила велики број научних радова у рецензираним међународним часописима, такође и националним часописима, остварила бројна саопштења на скуповима међународног и националног значаја, показала самосталност, стални напредак, ентузијазам и активност у научном и стручном образовању подмлатка као и велику активност у раду у широј друштвеној заједници.

Имајући у виду изнете чињенице, Комисија сматра да је др Александра Ђукић Вуковић изузетан кандидат који у потпуности испуњава услове за избор у звање ванредног професора, дефинисане Законом о високом образовању, Правилником о начину и поступку стицања звања и заснивања радног односа наставника на Универзитету у Београду и Правилником о начину и поступку стицања звања и заснивања

радног односа наставника на Технолошко-металуршком факултету Универзитета у Београду. Стога, Комисија предлаже Изборном већу Технолошко-металуршког факултета и Већу научних области техничко-технолошких наука Универзитета у Београду да се др Александра Ђукић Вуковић, дипл. фармацевт, изабере у звање ванредног професора за ужу научну област Биохемијско инжењерство и биотехнологија.

Београд, 29.11. 2025.

Чланови Комисије:

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Др Зорица Кнежевић-Југовић, редовни професор, Универзитет у Београду, Технолошко-металуршки факултет

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Др Марица Ракин, редовни професор Универзитета у Београду, Технолошко-металуршки факултет

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Др Љиљана Мојовић, професор емеритус, Универзитет у Београду, Технолошко-металуршки факултет

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Др Јелена Пејин, редовни професор, Универзитет у Новом Саду, Технолошки- факултет

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Др Јелена Ђуриш, редовни професор, Универзитет у Београду, Фармацеутски факултет