

## Zoznam publikačnej činnosti

doc. RNDr. Miroslav Ondrejovič, PhD.

Kategória výstupu	Počet
Vysokoškolská učebnica alebo učebný text, skriptá (AH)	6 (24,12 AH)
Publikácie kategórie A+, A	19
Publikácie kategórie A-, B	38
Patenty, Úžitkové vzory	2
<b>Celkovo</b>	<b>59</b>

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Web of Science ResearcherID: AAW-5292-2020

Scopus Author ID (Ondrejovič, Miroslav): 25951570700

### Vysokoškolská učebnica alebo učebný text, skriptá (AH)

1. Chmelová, D., Ondrejovič, M. Príručka mikrobiologických metód pre fermentačné technológie. Trnava: Univerzita sv. Cyrila a Metoda v Trnave, 2015, 144 s. ISBN 978-80-8105-739-7. (50% AH = 1,8 AH)
2. Ondrejovič, M., Chmelová, D. Laboratórne cvičenia z biochémie. Trnava: Univerzita sv. Cyrila a Metoda v Trnave, 2015, 150 s. ISBN 978-80-8105-748-9. (50% = 3,35 AH)
3. Ondrejovič, M., Chmelová, D., Michalcová, E. Izolačné a purifikačné metódy: Teoretická časť k návodom na laboratórne cvičenia. Trnava: Univerzita sv. Cyrila a Metoda v Trnave, 2013, 64 s. ISBN - 978-80-8105-473-0. (95% AH = 4,75 AH)
4. Ondrejovič, M., Chmelová, D., Michalcová, E. Izolačné a purifikačné metódy: Návody na laboratórne cvičenia. Trnava: Univerzita sv. Cyrila a Metoda v Trnave, 2013, 83 s. ISBN - 978-80-8105-474-7. (95% AH = 4,75 AH)
5. Urminská, D., Chmelová, D., Ondrejovič, M. Fermentačné technológie: návody na laboratórne cvičenia. Nitra: Slovenská poľnohospodárska univerzita v Nitre, 2013, 94 s. ISBN - 978-80-552-1053-7. (98% AH = 6,32 AH)
6. Vulganová, K., Ondrejovič, M. Návody na laboratórne cvičenia z biochémie / Katarína Vulganová, Miroslav Ondrejovič ; recenzenti: Ernest Šturdík, Dana Urminská. - 1. vyd. - Trnava : Univerzita sv. Cyrila a Metoda v Trnave, 2013. - 98 s. - ISBN 978-80-8105-499. (50% AH = 3,15 AH)

**Publikácie kategórie A+, A** (publikácie v časopisoch Q1, Q2, monografia v zahraničnom vydavateľstve, medzinárodný patent)

- 1 Chmelová, D., Legerská, B., Ondrejovič, M., Miertuš, S. Optimization of propagation medium for enhanced polyhydroxyalkanoate production by *Pseudomonas oleovorans*. *Fermentation*, 2022, 8(1), 16. IF = 3,975, **Q1**

- 2 Legerská, B., Chmelová, D., Ondrejovič, M., Miertuš, S. The TLC-Bioautography as a tool for rapid enzyme inhibitors detection - A Review. *Critical Reviews in Analytical Chemistry*, 2022, 52(2): 275-293. IF = 4,568, **Q1**
- 3 Lipničánová, S., Chmelová, D., Ondrejovič, M., Frečer, V., Miertuš, S. Diversity of sialidases found in the human body - A review. *International Journal of Biological Macromolecules*, 2020, 148: 857-868. IF = 4,784, **Q1**
- 4 Miertuš, S., Ondrejovič, M., Dettenhofer, M. Can We Strengthen Regional Cooperation of Central and East European Countries within European Programmes in the Field of Medicinal and Pharma Biotechnologies? Reminiscence from the European Workshop, Bratislava, Slovakia 3-4 June 2019. *Biotechnology Journal*, 2020, 15(2), 1900324. IF = 3,543, **Q1**
- 5 Dettenhofer, M., Ondrejovič, M., Slavica, A., Kurtanjek, Ž., Tapaloaga, D., Tapaloaga, P.R., Kapur-Pojškić, L., Durmic-Pašić, A., Begović, J., Nedović, V., Dundar, M., Gartland, K.M.A., Miertuš, S. Current state and prospects of biotechnology in Central and Eastern European countries. Part II: new and preaccession EU countries (CRO, RO, BAH, SRB). *Critical Reviews in Biotechnology*, 2019, 39(1): 137-155. IF = 8,108, **Q1**
- 6 Dettenhofer, M., Ondrejovič, M., Vásáry, V., Kaszycki, P., Twardowski, T., Stuchlík, S., Turňa, J., Dundar, M., Gartland, K.M.A., Miertuš, S. Current state and prospects of biotechnology in Central and Eastern European countries. Part I: Visegrad countries (CZ, H, PL, Sk). *Critical Reviews in Biotechnology*, 2019, 39 (1): 114-136. IF = 8,108, **Q1**
- 7 Hľasová, Z., Košík, I., Ondrejovič, M., Miertuš, S., Katrlík, J. Methods and current trends in determination of neuraminidase activity and evaluation of neuraminidase inhibitors. *Critical Reviews in Analytical Chemistry*, 2019, 49(4): 350-367. IF = 4,568, **Q1**
- 8 Jablonsky, M., Nosal'ová, J., Sládková, A., Ház, A., Kreps, F., Válka, J., Miertuš, S., Frečer, V., Ondrejovič, M., Šima, J., Šurina, I. Valorisation of softwood bark through extraction of utilizable chemicals. *Biotechnology Advances*, 2017, 35(6): 726-750. IF = 11,45, **Q1**
- 9 Viskupicova, J., Danihelova, M., Ondrejovic, M., Liptaj, T., Šturdík, E. Lipophilic rutin derivatives for antioxidant protection of oil-based foods. *Food Chemistry*, 2010, 123: 45-50. IF = 6,325, **Q1**
- 10 Miertuš, S., Ondrejovič, M., Dettenhofer, M. Can We Strengthen Regional Cooperation of Central and East European Countries within European Programmes in the Field of Medicinal and Pharma Biotechnologies? Reminiscence from the European Workshop, Bratislava, Slovakia 3-4 June 2019, *Biotechnology Journal*, 2020, 15(2), 1900324. IF = 5, 726, **Q1**
- 11 Chmelová, D., Legerská, B., Kunstová, J., Ondrejovič, M., Miertuš, S. The production of laccases by white-rot fungi under solid-state fermentation conditions. *World Journal of Microbiology and Biotechnology*, 2022, 38(2), 21. IF = 3,312, **Q2**
- 12 Lipničánová, S., Legerská, B., Chmelová, D., Ondrejovič, M., Miertuš, S. Optimization of an inclusion body-based production of the influenza virus neuraminidase in *Escherichia coli*. *Biomolecules*, 2022, 12(2), 331. IF = 4,879, **Q2**
- 13 Hľasová, Z., Pažitná, L., Ondrejovič, M., Katrlík, J. Lectin-based assay for the determination of the inhibition activity of small molecule inhibitors of neuraminidases. *Journal of Biotechnology*, 2021, 325: 65-72. IF = 3,163, **Q2**
- 14 Legerská, B., Chmelová, D., Ondrejovič, M. TLC-Bioautography as a fast and cheap screening method for the detection of  $\alpha$ -chymotrypsin inhibitors in crude plant extracts. *Journal of Biotechnology*, 2020, 313(10): 11-17. IF = 3,163, **Q2**

- 15 Chmelová, D., Škulcová, D., Legerská B., Horník, M., Ondrejovič, M. Ultrasonic-assisted extraction of polyphenols and antioxidants from *Picea abies* bark. *Journal of Biotechnology*, 2020, 314-315: 25-33. IF = 3,163, **Q2**
- 16 Lipničanová, S., Chmelová, D., Godány, A., Ondrejovič, M., Miertuš, S. Purification of viral neuraminidase from inclusion bodies produced by recombinant *Escherichia coli*. *Journal of Biotechnology*, 2020, 316: 27-34. IF = 3,163, **Q2**
- 17 Legerská, B., Chmelová, D., Ondrejovič, M. Decolourization and detoxification of monoazo dyes by laccase from the white-rot fungus *Trametes versicolor*. *J. Biotech.*, 2018, 148: 857-868. IF = 3,163, **Q2**
- 18 Miertus, S., Ondrejovic, M., Gartland, K.M.A. Biotechnology in Europe: A challenge for Central and East European countries. *Journal of Biotechnology*, 2018, 285: 42-43. IF = 3,163, **Q2**
- 19 Ondrejovic, M., Chmelova, D. Biotechnology as a tool for complex utilization of plant biomass. *European Biotechnology Congress*, 2018, 280: S10-S10. IF = 3,163, **Q2**

**Publikácie kategórie A-, B** (publikácie v časopise Q3, Q4, národný patent, ostatné publikácie vo WoS alebo Scopus)

- 1 Pecková, V., Legerská, B., Chmelová, D., Horník, M., Ondrejovič, M. Comparison of efficiency for monoazo dye removal by different species of white-rot fungi. *International Journal of Environmental Science and Technology*, 2021, 18(1): 21-32. IF = 2, 031, **Q3**
- 2 Krošlák, E., Maliar, T., Maliarová, M., Nemeček, P., Hozlár, P., Ondrejovič, M., Havrlentová, M., Kraic, J. Antioxidant and protease-inhibitory potential of extracts from grains of oat. *Open Chemistry*, 2016, 14(1): 324-334. IF = 1,027, **Q3**
- 3 Maliar, M., Slabá, G., Nemeček, P., Maliarová, M., Benková, M., Havrlentová, M., Ondrejovič, M., Kraic, J. Antioxidants, Enzyme Inhibitors, and Biogenic Compounds in Grain Extracts of Barleys. *Chemistry & Biodiversity*, 2015, 12(11), 1678-1695. IF = 1,444, **Q3**
- 4 Lipničanová, S., Chmelová, D., Godány, A., Ondrejovič, M. Optimization of medium composition for propagation of recombinant *Escherichia coli*. *Nova Biotechnol. Chim.* 2019, 18 (2): 84-93. **Q4** (Scopus)
- 5 Chmelová, D., Škulcová, D., Ondrejovič, M. Microbial xylanases and their inhibition by specific proteins in cereals. *Kvasny prumysl*, 2019, 65 (4): 127-133. **Q4** (Scopus)
- 6 Kačaniová, M., Ivanišová, E., Ondrejovič, M., Chmelová, D., Terentjeva, M., Kunová, S., Tvrdá, E. Biological activity of essential oils against *Staphylococcus* spp. isolated from human semen. *J. Microbiol. Biotechnol. Food Sci.* 2019: 404-408. **Q4** (Scopus)
- 7 Kunová, S., Tvrdá, E., Ivanišová, E., Ondrejovič, M., Chmelová, D., Terentjeva, M., Kačaniová, M. Antimicrobial and antioxidant properties of essential oils against bacterial strains isolated from human semen. *J. Microbiol. Biotechnol. Food*, 2019: 409-413. **Q4** (Scopus)
- 8 Chmelová, D., Ondrejovič, M. Havrlentová, M., Kraic, J. Evaluation of polar polyphenols with antioxidant activities in *Papaver somniferum* L. *J. Food Nutr. Res.* 2018, 57(1): 98-107. IF = 0,927, **Q4**
- 9 Ondrejovič, M., Miertus, S. Can a biotechnology contribute to the development of research and innovation smart specialization strategy (RIS3) in Central and East European countries? Reminiscences from the European Workshop. *The EuroBiotech Journal*, 2018, 2(2): 73-77. **Q4** (Scopus)

- 10 Legerská, B., Chmelová, D., Ondrejovič, M. Azonaphthalene dyes decolorization and detoxification by laccase from *Trametes versicolor*. *Nova Biotechnol. Chim.*, 2018, 17 (2): 172-180. **Q4** (Scopus)
- 11 Hazuchová, M., Chmelová, D., Ondrejovič, M. The optimization of propagation medium for the increase of laccase production by the white-rot fungus *Pleurotus ostreatus*. *Nova Biotechnol. Chim.* 2017, 16 (2): 113-123. **Q4** (Scopus)
- 12 Zofajova, A., Havrlentová, M., Ondrejovič, M., Juraška, M., Michalíková, B., Deáková, L. Variability of quantitative and qualitative traits of coloured winter wheat. *Agriculture = Poľnohospodárstvo: Journal for Agricultural Sciences*, 2017, 63(3): 102-111. **Q4** (Scopus)
- 13 Chmelová, D., Ondrejovič, M. Purification and characterization of extracellular laccase produced by *Ceriporiopsis subvermispora* and decolorization of triphenylmethane dyes. *J. Basic Microbiol.*, 2016, 56(11): 1173-1182. IF = 1,438, **Q4**
- 14 Pukančíková, L., Lipničanová, S., Kačániová, M., Chmelová, D., Ondrejovič, M. Natural microflora of raw cow milk and their enzymatic spoilage potential. *Nova Biotechnol. Chim.*, 2016, 15 (2): 142-155. **Q4** (Scopus)
- 15 Legerská, B., Chmelová, D., Ondrejovič, M. Degradation of synthetic dyes by laccases - A mini-review. *Nova Biotechnol. Chim.*, 2016, 15 (1): 90-106. **Q4** (Scopus)
- 16 Hromadkova, Z., Kostalova, Z., Ondrejovic, M., Chmelova, D. Isolation, composition and structure of polysaccharides from *Larix decidua*. *Proceedings of the 12th International Conference on Polysaccharides-Glycoscience*, 2016, Book Series, International Conference on Polysaccharides-Glycoscience: 142-147. **Q4**
- 17 Ondrejovič, M., Dudášová, V., Chmelová, D. Lime pretreatment optimization of wheat straw to improve ethanol production by *Saccharomyces cerevisiae* and its validation. *J. Microbiol. Biotechnol. Food Sci.*, 2015, 4(1): 45-47. **Q4** (Scopus)
- 18 Chmelová, D., Ondrejovič, M., Havrlentová, M., Hozlár, P. Antioxidant activity in naked and hulled oat (*Avena sativa* L.) varieties. *J. Microbiol. Biotechnol. Food Sci.*, 2015, 4(3): 63-65. **Q4** (Scopus)
- 19 Chmelová, D., Ondrejovič, M. Effect of metal ions on triphenylmethane dye decolorization by laccase from *Trametes versicolor* *Nova Biotechnol. Chim.*, 2015, 14(2): 191-200. **Q4** (Scopus)
- 20 Ivanišová, E., Ondrejovič, M., Chmelová, D., Maliar, T., Havrlentová, M., Rückschloss, L. Antioxidant activity and polyphenol content in milling fractions of purple wheat. *Cereal Res. Commun.*, 2014, 42(4): 578-588. IF = 0,607, **Q4**
- 21 Ondrejovič, M., Chmelová, D., Ivanišová, E., Dráb, Š., Psota, V. Evaluation of antioxidant activities of cereals and their malts. *Nova Biotechnol. Chim.*, 2014, 13(2): 172-181. **Q4** (Scopus)
- 22 Ondrejovič, M., Janíková, V., Chmelová, D. Optimization of lime pretreatment for enzymatic saccharification of wheat straw. *J. Microbiol. Biotechnol. Food Sci.*, 2014, 3(3): 138-141. **Q4** (Scopus)
- 23 Chmelová, D., Ondrejovič, M. Effect of potential inductors on laccase production by white-rot fungus *Ceriporiopsis subvermispora*. *J. Microbiol. Biotechnol. Food Sci.*, 2014, 3(2): 84-87. **Q4** (Scopus)
- 24 Ondrejovič, M., Chmelová, D., Ivanišová, E., Dráb, Š., Psota, V. Evaluation of antioxidant activities of cereals and their malts. *Nova Biotechnol. Chim.*, 2014, 13(2): 172-181. **Q4** (Scopus)

- 25 Ivanišová, E., Ondrejovič, M., Mickowska, B., Šilhár, S., Bojňanská, T. Determination of primary metabolites in cereal milling fractions. *Journal of Microbiology, Biotechnology and Food Sciences*, 2013, 3(2): 113-117. **Q4** (Scopus)
- 26 Chmelová, D., Ondrejovič, M. Repeated-batch production of laccase by *Ceriporiopsis subvermispota*. *Nova Biotechnol. Chim.*, 2013, 12(2): 120-128. **Q4** (Scopus)
- 27 Ondrejovič, M., Chmelová, D., Maliar, T. Response surface methodology approach for optimization of flax seed oil bleaching process. *J. Microbiol. Biotechnol. Food Sci.*, 2013, 3(2): 101-104. **Q4** (Scopus)
- 28 Maliar, M., Maliarová, M., Kraic, J., Ondrejovič, M., Pšenáková, I., Havrlentová, M. Thermal and Acido-basic Stability of Antioxidant Properties of Extracts from Cereal and Pseudo-cereal Grains. *Biologia*, 2013, 68(1): 99-104. IF = 0,652, **Q4**
- 29 Ondrejovic, M., Maliar, T., Chmelová, D. Optimization of the antioxidant extraction from *Eleutherococcus senticosus* roots by response surface methodology. *Nova Biotechnol. Chim.*, 2013, 12(1): 30-38. **Q4** (Scopus)
- 30 Michalcová, E., Potocka, E., Chmelová, D., Ondrejovič, M. Study of wheat protein degradation during germination. *J. Microbiol. Biotechnol. Food Sci.*, 2012, 1(6): 1439-1447. **Q4** (Scopus)
- 31 Ivanišová, E., Ondrejovič, M., Šilhár, S. Antioxidant Activity of Milling Fractions of Selected Cereals. *Nova Biotechnologica et Chimica*, 2012, 11(1): 45-56. **Q4** (Scopus)
- 32 Ondrejovič, M., Maliar, T., Benkovičová, H., Kubincová, J. Solid-Phase Extraction for Photometric Determination of Rosmarinic Acid in Lemon Balm (*Melissa Officinalis*) Extracts. *Nova Biotechnologica et Chimica*, 2012, 11(1): 62-72. **Q4** (Scopus)
- 33 Ondrejovič, M., Kraic, F., Benkovičová, H., Šilhár, S. Optimisation of Antioxidant Extraction from Lemon Balm (*Melissa officinalis*). *Czech Journal of Food Sciences*, 2012, 30(4): 385-393. IF = 0,487, **Q4**
- 34 Chmelová, D., Ondrejovic, M. Determination of enzymes produced by *Ceriporiopsis subvermispota* during pretreatment of different biomass sources. *J. Microbiol. Biotechnol. Food Sci.*, 2012, 1(4): 1168-1178. **Q4** (Scopus)
- 35 Chmelová, D., Ondrejovič, M., Ondáš, V., Šturdík, E. Influence of cultivation conditions on production of lignocellulosic enzymes by *Ceriporiopsis subvermispota*. *Biologia*, 2011, 65(5): 748-754. IF = 0,557, **Q4**
- 36 Ondrejovič, M., Maliar, T., Polívka, L., Šilhár, S. Polyfenoly jablk. *Chemické listy*, 2009, 103: 394-400. IF = 0,231, **Q4**
- 37 Viskupičová, J., Ondrejovič, M., Šturdík, E. The potential and practical applications of acylated flavonoids. *Pharmazie : An International Journal of Pharmaceutical Sciences*, 2009, 64(6): 355-360. IF = 0,991, **Q4**
- 38 Viskupicova, J., Ondrejovič, M., Šturdík, E. Bioavailability and metabolism of flavonoids. *Journal of Food and Nutrition Research*, 2008, 47(4): 151-162. IF = 0,714, **Q4**

### Úžitkové vzory

- 1 5794 – Pivo s príchuťou bylín / Šilhár, S., Maliar, T., Ondrejovič, M., Glončáková, B. Bratislava, 2011
- 2 5983 – Glukánové pivo a spôsob jeho výroby / Šilhár, S., Maliar, T., Ondrejovič, M., Glončáková, B. Bratislava 2012



**Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách**

- 1 Viskupičová, J., Ondrejovič, M., Maliar, T.: Enzyme-mediated preparation of flavonoid esters and their applications. In: Ekinci, D. (Ed.): Biochemistry. InTech, Croatia, 2012, ISBN 978-953-51-0076-8: 263-286 (0,2 AH)

Čestne prehlasujem, že uvedené údaje sú pravdivé a aktuálne.

V Trnave, 16. 9. 2022