

In 2025, the Research Council of Lithuania allocated €109,123.55 for the costs of publishing scientific articles.

Application No. P-PUB-25-7.

The funds were allocated for the publication of the following scientific articles:

1. Kaab Omeir, A., Štreimikienė, D., & Vasiliauskaitė, D. (2025). Sustainable investments: assessment of risks. *Journal of Business Economics and Management*, 26(3), 576–598. <https://doi.org/10.3846/jbem.2025.23782>.
2. K. Karlauskas, J. Gelšvartas and P. Treigys, "Point Cloud Data Mining With HD Map Priors for Making Synthetic Forest Datasets," in *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, vol. 18, pp. 19606-19617, 2025, <https://doi.org/10.1109/JSTARS.2025.3593827>.
3. Breskuvienė, D., Dzemyda, G. Enhancing credit card fraud detection: highly imbalanced data case. *J Big Data* **11**, 182 (2024). <https://doi.org/10.1186/s40537-024-01059-5>.
4. Bielskė, K., Petraitytė-Burneikienė, R., Avižinienė, A. et al. Broadly reactive monoclonal antibodies against beta-lactamases for immunodetection of bacterial resistance to antibiotics. *Sci Rep* **15**, 19094 (2025). <https://doi.org/10.1038/s41598-025-04603-2>.
5. Ashwinipriyadarshini Megur, Kamilė Ambrutaitytė, Egidijus Šimoliūnas, Eglė Lastauskienė, Aurelijus Burokas, Whole-genome sequencing and in vitro probiotic characterization of *Pediococcus pentosaceus* ELAB 60WB isolated from fermented cherry tomatoes, LWT, Volume 220, 2025, 117547, ISSN 0023-6438, <https://doi.org/10.1016/j.lwt.2025.117547>.
6. Klimkaitė, L., Drevinskaitė, R., Krinickis, K., Sužiedėlienė, E., & Armalytė, J. (2025). *Stenotrophomonas maltophilia* of clinical origin display higher temperature tolerance comparing with environmental isolates. *Virulence*, 16(1). <https://doi.org/10.1080/21505594.2025.2498669>.
7. Žitkus, E., Čiplys, E., Žiaunys, M. et al. Development of an efficient expression system for human chaperone BiP in *Pichia pastoris*: production optimization and functional validation. *Microb Cell Fact* **24**, 66 (2025). <https://doi.org/10.1186/s12934-025-02679-z>.
8. Bulavaitė A, Dapkūnas J, Reškevičiūtė R, Dalgėdienė I, Valančauskas L, Baranauskienė L and Plečkaitytė M (2025). Gardnerella fibrinogen-binding protein as a candidate adherence factor. *Front. Cell. Infect. Microbiol.* **15**:1556232. <https://doi.org/10.3389/fcimb.2025.1556232.s001>.
9. Lučiūnaitė, A., Mašalaitė, K., Plikusienė, I. et al. Structural properties of immune complexes formed by viral antigens and specific antibodies shape the inflammatory response of macrophages. *Cell Biosci* **14**, 53 (2024). <https://doi.org/10.1186/s13578-024-01237-1>.
10. Stasiukynas, L.; Havelka, J.; da Silva, F.L.; Torres Jimenez, M.F.; Podėnas, S.; Lekoveckaitė, A. COI Insights into Diversity and Species Delimitation of Immature Stages of Non-Biting Midges (Diptera: Chironomidae). *Insects* **2025**, *16*, 174. <https://doi.org/10.3390/insects16020174>.
11. Misevičienė, L.; Golinelli-Cohen, M.-P.; Kairys, V.; Marozienė, A.; Lesanavičius, M.; Čėnas, N. Reactions of *Plasmodium falciparum* Type II NADH: Ubiquinone Oxidoreductase with Nonphysiological Quinoidal and Nitroaromatic Oxidants. *Int. J. Mol. Sci.* **2025**, *26*, 2509. <https://doi.org/10.3390/ijms26062509>.
12. Butkuvienė, J.; Naugžemys, D.; Žvingila, D. The Complete Chloroplast Genome of Water Crowfoot of *Ranunculus* cf. *penicillatus* and Phylogenetic Insight into the Genus *Ranunculus* (sect. *Batrachium*). *Int. J. Mol. Sci.* **2025**, *26*, 6953. <https://doi.org/10.3390/ijms26146953>.

13. Mensonas, V.J.; Kleizaitė, V.; Leistrumaitė, A.; Šiukšta, R. Early Seedling Screening Reveals Unidentified AI Resistance Mechanisms in Lithuanian Barley Cultivars. *Int. J. Mol. Sci.* **2025**, *26*, 3803. <https://doi.org/10.3390/ijms26083803>.
14. Simonas Juzenas, Karolis Goda, Vaidotas Kiseliovas, Justina Zvirblyte, Alvaro Quintinal-Villalonga, Juozas Siurkus, Juozas Nainys, Linas Mazutis, inDrops-2: a flexible, versatile and cost-efficient droplet microfluidic approach for high-throughput scRNA-seq of fresh and preserved clinical samples, *Nucleic Acids Research*, Volume 53, Issue 2, 27 January 2025, gkae1312, <https://doi.org/10.1093/nar/gkae1312>.
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18. Lekstutienė, J., Žiliukaitė, R., Jakubauskienė, M. et al. Returning of individual genetic findings to biobank participants: a mixed methods study results in Lithuania. *BMC Med Ethics* **26**, 86 (2025). <https://doi.org/10.1186/s12910-025-01250-0>.
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26. Kvedariene, V.; Vaskovic, M.; Semyte, J.B. Role of Oxidative Stress and Antioxidants in the Course of Atopic Dermatitis. *Int. J. Mol. Sci.* **2025**, *26*, 4210. <https://doi.org/10.3390/ijms26094210>.
27. Sabaliauskas, S., Gražulis, D., Žilinskienė, N. et al. Metacognitive strategies improve self-regulation skills in expert sports coaches. *Sci Rep* **15**, 3434 (2025). <https://doi.org/10.1038/s41598-025-86606-7>.

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