

The most important publications published on the RSU Research Portal in January 2025

Article, Review Article	Journal Impact factor (JIF 2023)
1. Viz-Lasheras, S., Gómez-Carballa, A., Bello, X., & Rivero-Calle, I. et al. (2025). A diagnostic host-specific transcriptome response for Mycoplasma pneumoniae pneumonia to guide pediatric patient treatment . Nature Communications, 16(1), Article 673.	14.7
2. Kozłowska, L., Viegas, S., Scheepers, P. T. J., Duca, R. C., Godderis, L., Martins, C., Ciura, K., Jagiello, K., João Silva, M., Mahiout, S., Mārtiņšone, I., Matisāne, L., Nieuwenhuys, A. V., Puzyn, T., Sijko-Szpanska, M., Verdonck, J., Santonen, T., & the HBM4EU E-waste Study Team (2025). HBM4EU E-waste study – An untargeted metabolomics approach to characterize metabolic changes during E-waste recycling . Environment International, 196, Article 109281.	10.3
3. Wagner, G., Gartlehner, G., Thaler, K., & Ledinger, D. et al. (2024). Immunogenicity and safety of the 15-valent pneumococcal conjugate vaccine, a systematic review and meta-analysis . npj Vaccines, 9(1), Article 257.	7.0
4. Melo, G. L. R., Santo, R. E., Mas Clavel, E., & Bosque Prous, M. et al. (2025). Digital dietary interventions for healthy adolescents: A systematic review of behavior change techniques, engagement strategies, and adherence . Clinical Nutrition, 45, 176-192.	6.6
5. Kļaviņa, A., Reste, J., Mārtiņšone, I., & Vanadžiņš, I. et al. (2025). Sapropel-enriched sodium carboxymethyl cellulose gel systems: formulation approaches, stability and bioactive potential . Carbohydrate Polymer Technologies and Applications, 9, Article 100669.	6.2
6. Kokorin, V. A., González-Franco, A., Cittadini, A., & Kalējs, O. et al. (2024). Acute heart failure – an EFIM guideline critical appraisal and adaptation for internists . European Journal of Internal Medicine, 123, 4-14.	5.9
7. Vilmane, A., Koļesova, O., Nora-Krūkle, Z., & Koļesovs, A. et al. (2025). Association of Baseline Lipopolysaccharide-Binding Protein with Expanded Disability Status Score Dynamics in Patients with Relapsing–Remitting Multiple Sclerosis: A Pilot Study . International Journal of Molecular Sciences, 26(1), Article 298.	4.9
8. Antonini, M., Genie, M. G., Attwell, K., & Attema, A. E. et al. (2025). Are we ready for the next pandemic? Public preferences and trade-offs between vaccine characteristics and societal restrictions across 21 countries . Social Science and Medicine, 366, Article 117687.	4.9
9. Neteca, J., Veseta, U., Liepiņa, I., & Volgemute, K. et al. (2025). Effect of Beetroot Juice Supplementation on Aerobic Capacity in Female Athletes: A Randomized Controlled Study . Nutrients, 17(1), Article 63.	4.8
10. Schiano-Lomoriello, D., Abicca, I., Contento, L., & Gabrielli, F. et al. (2024). Infectious Keratitis: Characterization of Microbial Diversity through Species Richness and Shannon Diversity Index . Biomolecules, 14(4), Article 389.	4.8
11. Bhandage, A. K., Kēniņa, V., Huang, Y. F., & Roddate, M. et al. (2024). Serum protein biomarker profile distinguishes acetylcholine receptor antibody seropositive myasthenia gravis patients from healthy controls . iScience, 27(8), Article 110564.	4.6
12. Kivrāne, A., Ulanova, V., Grinberga, S., & Sevostjanovs, E. et al. (2024). Identification of Factors Determining Patterns of Serum C-Reactive Protein Level Reduction in Response to Treatment Initiation in Patients with Drug-Susceptible Pulmonary Tuberculosis . Antibiotics, 13(12), Article 1216.	4.3

13. Podesta, A. M. C., Redfern, N., Abramovich, I., & Mellin-Olsen, J. et al. (2024). [Fatigue among anaesthesiologists in Europe: Findings from a joint EBA/NASC survey](#). *European Journal of Anaesthesiology*, 41(1), 24-33. 4.2
14. Zamorano-Martín, F., Chumaceiro, G., Navarro-Torres, P., & Borroni, D. et al. (2024). [A Comparative Analysis of the Ocular Microbiome: Insights into Healthy Eyes and Anophthalmic Sockets](#). *Microorganisms*, 12(11), Article 2298. 4.1
15. Ballesteros-Sánchez, A., Borroni, D., De-Hita-Cantalejo, C., & Sánchez-González, M. C. et al. (2024). [Efficacy of bilateral OC-01 \(varenicline solution\) nasal spray in alleviating signs and symptoms of dry eye disease: A systematic review](#). *Contact Lens and Anterior Eye*, 47(1), Article 102097. 4.1
16. Nemours, S., Armesto, M., Arestín, M., & Manini, C. et al. (2024). [Non-coding RNA and gene expression analyses of papillary renal neoplasm with reverse polarity \(PRNRP\) reveal distinct pathological mechanisms from other renal neoplasms](#). *Pathology*, 56(4), 493-503. 3.6
17. Rechel, B., Durvy, B., Augusto, G. F., & Aujoulat, I. et al. (2025). [Primary prevention in hospitals in 20 high-income countries in Europe – A case of not “Making Every Contact Count”?](#) *Health Policy*, 151, Article 105199. 3.6
18. Kamergrauzis, A., Pilmane, M., & Junga, A. (2025). [Human Defence Factors in Different Gestational Week Placenta: A Pilot Study](#). *Life*, 15(1), Article 86. 3.2
19. Taube, M., & Lesiņa, A. A. (2025). [Development of Anxiety Symptoms After Receiving the Pfizer-BioNTech \(BNT 162b2\) COVID-19 Vaccine: a case series](#). *Frontiers in Psychiatry*, 15, 1-5. 3.2
20. Svaža, A., Freimanis, D., Zariņa, D., & Osipovs, P. et al. (2024). [A Data-Driven Framework for Clinical Decision Support Systems in Positive Airway Pressure and Oxygen Titration](#). *Journal of Clinical Medicine*, 13(3), Article 757. 3.0
21. Šetlers, K., Aispure, K., Zolovs, M., & Zvaigzne, L. et al. (2024). [A Randomized Controlled Trial on the Efficacy of 20% Human Albumin in Reducing Pleural Effusion After Cardiopulmonary Bypass](#). *Journal of Clinical Medicine*, 13(24), Article 7693. 3.0
22. Andžāne, D., Žodžika, J., Jermakova, I., & Senfelde, I. et al. (2025). [Efficacy of Topical Treatment of Low-Risk Cervical Preinvasive Lesions with Glycyrrhizinic Acid](#). *Journal of Clinical Medicine*, 14(1), Article 136. 3.0
23. Balodis, A., Strautmane, S., Zariņš, O., & Vērzemnieks, K. et al. (2025). [A Forgotten Rare Cause of Unilateral Basal Ganglia Calcinoses Due to Venous Angioma and Complicating Acute Stroke Management: A Case Report](#). *Diagnostics*, 15(3), Article 291. 3.0
24. Atstāja, D. (2025). [Renewable Energy for Sustainable Development: Opportunities and Current Landscape](#). *Energies*, 18(1), Article 196. 3.0
25. Freimane, L., Kivrāne, A., Ulanova, V., & Vīksna, A. et al. (2025). [Fluctuations in circulating cell-free mitochondrial and nuclear DNA copy numbers in blood plasma after anti-tuberculosis drug intake in patients with drug-susceptible tuberculosis](#). *Tuberculosis*, 151, Article 102611. 2.8
26. Ballesteros-Sánchez, A., Sánchez-González, J. M., Borrone, M. A., & Borroni, D. et al. (2024). [The Influence of Lid-Parallel Conjunctival Folds and Conjunctivochalasis on Dry Eye Symptoms with and Without Contact Lens Wear: A Review of the Literature](#). *Ophthalmology and Therapy*, 13(3), 651-670. 2.6

27. Reitere, Ē., Duhovska, J., Karkou, V., & Mārtinsone, K. (2024). [Telehealth in arts therapies for neurodevelopmental and neurological disorders: a scoping review](#). *Frontiers in Psychology*, 15, 1-12. Article 1484726. 2.6
28. Maldupa, I., Al-Yaseen, W., Giese, J., & Ahmed Elagami, R. et al. (2024). [Recommended procedures for managing carious lesions in primary teeth with pulp involvement-a scoping review](#). *BDJ Open*, 10(1), Article 74. 2.5
29. Peiseniece, E., Zdanovskis, N., Šneidere, K., & Kostiks, A. et al. (2025). [Amygdala Nuclei Atrophy in Cognitive Impairment and Dementia: Insights from High-Resolution Magnetic Resonance Imaging](#). *Medicina (Kaunas, Lithuania)*, 61(1), Article 130. 2.4
30. Ošiņa, J., Jurjāns, K., Kupčs, K., & Rzajeva, T. et al. (2024). [A Rare Case of Cervical Spinal Arteriovenous Malformation: A Case Report](#). *Medicina (Lithuania)*, 60(6), Article 1011. 2.4
31. Šetlers, K., Jurcenko, A., Arkliņa, B., & Zvaigzne, L. et al. (2024). [Identifying Early Risk Factors for Postoperative Pulmonary Complications in Cardiac Surgery Patients](#). *Medicina (Kaunas)*, 60(9), Article 1398. 2.4
32. Holstroma, A., Balodis, A., Brokāns, A., & Vīksna, A. (2025). [Prolonged Corticosteroid Use in the Treatment of Tuberculous Meningoencephalitis: A Case Report](#). *Medicina (Kaunas)*, 61(2), 1-10. Article 214. 2.4
33. Brigele, Z., Vimba, P. M., Ševčenko, A., & Šķesters, A. et al. (2025). [The Association of Plasma Selenium and Selenoprotein P Levels with Depression Severity and Anxiety Symptoms Among Medical Students in Latvia](#). *Medicina*, 61(1), 1-15. Article 3. 2.4
34. Polunosika, E., Simrén, J., Akmene, A., & Klimovskis, N. et al. (2025). [Functional and Cognitive Impairment in Patients with Relapsing–Remitting Multiple Sclerosis: Cognitive Tests and Plasma Neurofilament Light Chain Levels](#). *Medicina*, 61(1), Article 70. 2.4
35. Mazzotta, C., Stojanovic, A., Romano, V., & Addabbo, G. et al. (2024). [Ray-Tracing Transepithelial Excimer Laser Central Corneal Remodeling Plus Pachymetry-Guided Accelerated Corneal Crosslinking for Keratoconus](#). *Cornea*, 43(3), 285-294. 1.9
36. Zemitis, A., Rizzuto, V., Lavrinovica, D., & Vanags, J. et al. (2024). [Redefined Formula for Anterior Chamber Volume Calculation: Quantitative Analysis of Biometric Parameters Across Ocular Pathologies](#). *Clinical Ophthalmology*, 18, 3989-3998. 1.8
37. Rācene, L., Ķīse, L., Pitkēviča, I., & Rostoka, Z. et al. (2025). [The significance of ultrasound parameters and clinical factors in predicting successful labor induction among nulliparous women](#). *Journal of Maternal-Fetal and Neonatal Medicine*, 38(1), Article 2450405. 1.7
38. Rannama, I., Zuša, A., & Latash, M. L. (2024). [Force drifts and matching errors in the lower extremities: implications for the control and perception of foot force](#). *Experimental Brain Research*, 243(1), Article 37. 1.7
39. Ndayishimiye, C., Tambor, M., Behmane, D., & Dimova, A. et al. (2024). [Factors Influencing Health Care Providers Payment Reforms in Central and Eastern European Countries](#). *Inquiry (United States)*, 61. 1.7
40. Tolmane, I., Siksaliete, I., Upmace, I., & Bulmistre, I. et al. (2024). [Prevalence of hepatitis C virus antibodies and associated risks among residents in long-term assisted living facilities and shelters in Latvia](#). *Clinical and Experimental Hepatology*, 10(4), 271-277. 1.5

41. Jūrmalis, N., Berķe-Berga, A., & Urbāne, M. (2025). [Advancing Asset Tokenization in the European Union and Latvia: A Regulatory and Policy Perspective](#). *Laws*, 14(1). 1.3
42. Kudins, J., Čižo, E., Ruza, O., & Kokarēviča, A. et al. (2024). [Monitoring and Planning of Local Territorial Development As a Modelable Business Process: The Case of Latvian Municipalities](#). *Entrepreneurship and Sustainability Issues*, 12(1), 362-385. 1.2
43. Čižo, E., Bogdanova, N., Mietule, I., & Kokarēviča, A. et al. (2024). [Inequality among residents and enterprises in the Latvian online market of digital marketing](#). *Baltic Region*, 16(3), 136-162. 0.7
44. Prasko, J., Vanek, J., Krone, I., & Abeltina, M. et al. (2024). [Managing supervisory drift in cognitive behavioral therapy: A narrative review with case vignettes](#). *Neuroendocrinology letters*, 45(5), 325-332. 0.6
45. Harro-Loit, H., Parder, M.-L., Rožukalne, A., & Juurik, M. et al. (2025). [Press Freedom and Freedom of Expression in Estonia and Latvia: The Role of Agents](#). *Central European Journal of Communication*, 18(1). 0.5
46. Skulte, I., & Briede, K. (2024). ["GOD HAS GIVEN WOMEN ALL KINDS OF OPPORTUNITIES TO SERVE": HOW MEDIA DISCOURSE ON THE ORDINATION OF WOMEN CONSTRUCTS UNDERSTANDING OF THE ROLE OF WOMEN IN CHURCH AND SOCIETY](#). *Occasional Papers on Religion in Eastern Europe*, 44(8), 78-109. 0.4
47. Eņģelis, A., Smāne, L., Zviedre, A., & Ķīvīte-Urtāne, A. et al. (2024). [ACUTE APPENDICITIS IN PAEDIATRIC PATIENTS WITH DELTA AND OMICRON VARIANTS OF SARS-COV-2: CASE SERIES](#). *Proceedings of the Latvian Academy of Sciences, Section B: Natural, Exact, and Applied Sciences*, 78(5-6), 347-353.
48. Zolova, A., Keidāne, D., & Zolovs, M. (2024). [A seven-year study on the prevalence and intensity of Cryptosporidium spp. infections in dairy cattle in Latvia: regional and age-related variations](#). *Acta Biologica Universitatis Daugavpiliensis*, 2024(2), 239-246.
49. Kaļķis, H., Vanadžiņš, I., Kaļūznaja, D., & Poznaka, A. et al. (2024). [Changes in work environment parameters in relation to the comfort and factors influencing productivity of office workers: comprehensive literature review](#). *Agronomy Research*, 22(3), 1171-1187.
50. Muižniece, I., Kuzema, V., Ziediņa, I., & Pētersons, A. et al. (2024). [CLINICAL AND HISTOPATHOLOGICAL CHARACTERISTICS OF BIOPSY-PROVEN KIDNEY GRAFT REJECTION IN LATVIA](#). *Proceedings of the Latvian Academy of Sciences, Section B: Natural, Exact, and Applied Sciences*, 78(5/6), 341-346.
51. Bleidelis, I., & Luika, S. (2024). [Comparison of the Effectiveness of Passing Performance in Football Matches for U-13 and U-14 Elite League Players of Latvian Academy of Sport Education](#). *LASE Journal of Sport Science*, (1/2), 49-58.
52. Bērziņš, A., Bīne, E., Kļučņiks, A., & Vanags, I. et al. (2024). [DIFFICULT AIRWAY PREDICTORS FOR ANTICIPATED OR UNANTICIPATED DIFFICULT AIRWAY IN PATIENTS WITH FIBROPTIC INTUBATION: A RETROSPECTIVE OBSERVATIONAL STUDY](#). *Proceedings of the Latvian Academy of Sciences. Section B. Natural, Exact, and Applied Sciences.*, 78(5/6), 354-361.
53. Kulda, E., & Ābele, A. (2024). [EDUCATION AND SPORT COMPETENCE DEVELOPMENT OPPORTUNITIES FOR ICE HOCKEY PLAYERS IN LATVIA](#). *Scientific Journal of National Pedagogical Dragomanov University. Series 15. Scientific and pedagogical problems of physical culture (physical culture and sports)*, 176(3K), 29-32.

54. Kulda, A., & Ābele, A. (2024). [EVENT MARKETING AND FAN SATISFACTION IN WIN2DAY ICE HOCKEY LEAGUE USING AN EXAMPLE OF EC IDM WÄRMEPUMPEN VSV](#). Scientific Journal of National Pedagogical Dragomanov University. Series 15. Scientific and pedagogical problems of physical culture (physical culture and sports), 176(3k), 26-29.
55. Rudzīte, A. M., Auziņa, D., & Lejniece, S. (2024). [Factors affecting Covid-19 outcomes in patients with hematological malignancies](#). Experimental Oncology, 46(3), 260-267.
56. Agapova, O. (2024). [INTERNATIONAL REGISTER OF DAMAGE: THE GUARANTEE OF RECOVERING JUSTICE IN UKRAINE](#). Journal of Liberty and International Affairs, 10(1), 97-110.
57. Ige, K. M., Krivins, A., Vilks, A., & Kipane, A. (2024). [Legal framework for health policy to reduce the level of substance abuse in the United States](#). Social and Legal Studios, 7(3), 178-189.
58. Daina, M., Grantiņa, I., & Tomiņa, K. (2024). [Microbiological Findings, Infection Risk Factors and Complications Among Children after Tracheostomy](#). Baltic Journal of Clinical Medicine and Research (BJCMR), (1), 16-22.
59. Tarasova, D., & Justickis, V. (2024). [Mobbing as a reason for termination of employment relationship](#). SOCRATES. Rīgas Stradiņa universitātes Juridiskās fakultātes elektroniskais juridisko zinātnisko rakstu žurnāls / SOCRATES. Rīga Stradiņš University Faculty of Law Electronic Scientific Journal of Law, (1), 48-57.
60. Jakovleva, M., & Rudzinska, I. (2024). [Physical Activity and Sport Facility Mapping in Latvian Region Inclusive and Non-Inclusive School-Yards](#). LASE Journal of Sport Science , (1-2), 14-28.
61. Zemļanuhina, O., & Daukšte, I. (2024). [Residency in Anaesthesiology and Reanimatology in Latvia](#). Journal of the Portuguese Society of Anesthesiology, 33(2), 63-65.
62. Osipovs, J. D., Šankova, E., Karelis, G., & Želve, Z. et al. (2025). [Sudden onset orthostatic dysarthria as a presenting symptom of bulbar onset myasthenia gravis: a video case report](#). Neuroimmunology Reports, 7, Article 100235.
63. Kaļva, A., Orlovs, D., Briģis, Ģ., & Kruks, S. et al. (2024). [TESTING FOR COVID-19 IN LATVIA: ANALYSIS OF PUBLIC–PRIVATE PARTNERSHIPS](#). Proceedings of the Latvian Academy of Sciences, Section B: Natural, Exact, and Applied Sciences, 78(1), 111-116.
64. Ropa, A., & Malahova, L. (2024). [The Peculiarities of Teaching Professional Terminology in English, German, Russian and Latvian to Sport Science Students in Virtual and In-Person Environments](#). LASE Journal of Sport Science , Volume 15(1-2), 29-40. Article 3.
65. Koliadenko, N. V., Shopsha, M. M., Shopsha, O. L., & Bachurina, N. O. et al. (2024). [The problem of resilience of families with the consequences of war psychotrauma](#). Wiadomosci lekarskie (Warsaw, Poland : 1960), 77(11), 2168-2173.
66. Rožukalne, A., Balčytienė, A., & Harro-Loit, H. (2024). [Towards Responsible Media: Understanding the Baltic Countries' Traits Through the Lens of Transparency and Accountability Analysis](#). Comunicacao e Sociedade, 46, Article e024028.
67. Laviņš, R., Fernāte, A., & Bula-Biteniece, I. (2024). [Types of Parental Support Systems in Youth Sports: a Literature Review and Future Perspectives](#). Lase Journal Of Sport Science, (1-2), 71-80.

68. Vasyliiev, K., Pozemkovska, M., & Vasyliiev, Y. (2024). Київський професор Х.Я. фон Гюббенет (1821–1873): огляд літератури та основні віхи біографії. Східноєвропейський журнал внутрішньої та сімейної медицини , (1), 26-37.