

The most important publications published on the RSU Research Portal in July 2026

	Article, Review Article	Journal Impact factor (JIF 2025)
1.	Liepiņš, E., Krims-Dāvis, K., Cirule, H., & Pinkovskis, K. et al. (2026). Gentamicin triggers fatty acid oxidation-dependent mitochondrial ROS, driving greater nephrotoxicity than apramycin and other aminoglycosides . Free Radical Biology and Medicine, 254, 405-418.	8.0
2.	Sudars, K., Edelmers, E., Nikulins, A., & Cīrule, V. et al. (2026). Comparison of Foundation Models MedSAM and DINOv3 with the nnU-Net Framework for Bone Metastasis Segmentation in Computed Tomography Scans . AI (Switzerland), 7(6), Article 181.	6.5
3.	Aleksejeva, S., Radenkovs, V., Zolovs, M., & Vilkoite, I. et al. (2026). Estimated Habitual Dairy Polar Lipid Exposure and Post-Intervention Plasma Lipid Outcomes in Perimenopausal Women in Latvia: A Secondary Exposure-Based Analysis of a 28-Day Fermented Buttermilk Randomised Trial . Nutrients, 18(13), Article 2194.	5.8
4.	Čēma, I., Kleina, R., Dzudzilo, M., & Lasiene, K. et al. (2026). Immunological Microenvironment Diversity in Homogeneous and Non-Homogeneous Oral Leukoplakia . International Journal of Molecular Sciences, 27(14), 1-23. Article 6111.	5.6
5.	Mauliņa, I., Labecka, L., Cīrulis, A., & Kibilds, J. et al. (2026). vanB-Gene-Dominated Resistance in Enterococcus spp. and Silent vanA-Gene Carriage in Phenotypically Susceptible Isolates: Genomic Epidemiology in Two Hospitals in Latvia . Antibiotics, 15(6), Article 601.	5.5
6.	Kaufelde, P., Soares, R. M., Brante, O., & Pinto, J. F. et al. (2026). Rheological Modeling and Torque-Based Processability Prediction for Celecoxib/PVPVA Hot-Melt Extruded Amorphous Solid Dispersions . European Journal of Pharmaceutical Sciences, 225, 107593. Article 107593.	5.1
7.	Nagle, E., Skrūzkalne, I., Senkāne, S., & Andersen, O. et al. (2026). Psychosocial work environment and subjective well being among healthcare professionals using structural equation modeling, mediation and scale development . Scientific Reports, 16(1), Article 20466.	4.9
8.	Liu, Z., Zhang, Y., He, Y., & Paasio, H. et al. (2026). Exploring Human-AI Collaboration in E-Textile Design: A Case Study on Flex Sensor Placement for Shoulder Motion Detection . Proceedings of the ACM on Human-Computer Interaction, 10(4), Article EICS019.	4.9
9.	Mas, E., Moreno-Martínez, M., Gascon, M., & Espelt, A. et al. (2026). The study protocol of the ePro-Schools project: an eHealth program for promoting physical activity and healthy nutrition in schools . BMC Public Health, 26(1), Article 1922.	4.4
10.	Bārzdīņa, A., Teterovska, R., Prudņikova, D. P., & Broks, R. et al. (2026). Antibacterial and antibiofilm effects of natural phenolic acids: Insights into structure-function relationships, extracellular pH, and morphological changes . Microbiology spectrum, 14(8), Article e0133626.	4.1
11.	Putrālis, R., Gluščenko, A., Krims-Dāvis, K., & Buendía, Á. et al. (2026). Inducing AIE in planar styrylpyridinium dyes through counterion exchange and liposomal encapsulation for live-cell imaging . Dyes and Pigments, 254, Article 113992.	3.9
12.	Popkova, D., Fellendorf, F., Vinberg, M., & Ceylan, D. et al. (2026). Mechanisms of weight gain associated with valproic acid: a scoping review . European Archives of Psychiatry and Clinical Neuroscience, 276(5), 2759-2768.	3.9
13.	Šilovs, A., Skuburs, G. K., Zdanovskis, N., & Sevchenko, A. et al. (2026). Semi-Automated Neuromelanin-Sensitive MRI Reveals Substantia Nigra Volume Reduction in Early Parkinson's Disease with Moderate Diagnostic Performance . Diagnostics, 16(7), Article 1046.	3.8
14.	Renemane, L., Ķīvīte-Urtāne, A., & Rancāns, E. (2026). The reliability and diagnostic accuracy of the GAD-7 and GAD-2 for the most prevalent anxiety disorders in Latvian primary care . Frontiers in Psychiatry, 17, Article 1855491.	3.8
15.	Maltezou, H. C., Borg, M., Botelho-Nevers, E., & Brantsæter, A. B. et al. (2026). Vaccination policies for healthcare personnel in Europe, 2026 . Vaccine , 88, Article 128839.	3.4

16. Sokaļskis, V., Kupics, K., Jurjāns, K., & Ņesterovičs, N. et al. (2026). [Real-world use and impact of direct oral anticoagulants among atrial fibrillation patients with cardioembolic stroke](#). *Frontiers in Neurology*, 17, Article 1844341. 3.3
17. Kļaviņa, A., Akuratere, G., & Jakubovskis, G. (2026). [Multidimensional field-based performance profiling in the Latvian national wheelchair basketball team: an exploratory study](#). *Frontiers in Sports and Active Living*, 8, Article 1872790. 3.0
18. Lejniece, I., Kameņeckā-Usova, M., Žīdens, J., & Luika, S. et al. (2026). [Sports events as economic and political instruments: unpacking the dynamics of image creation through sport](#). *Frontiers in Sports and Active Living*, 8, Article 1784371. 3.0
19. Zangger, M., Jungo, K. T., Adler, L., & Assenova, R. et al. (2026). [Long-term beta blocker prescribing after myocardial infarction in European primary care \(PRACTITIONER\)](#). *BMC Primary Care*, 27(1), Article 93. 2.9
20. Smirnova, D., Klibus, M., & Sabeļņikovs, O. (2026). [Assessment of the Microcirculation During Extracorporeal Blood Purification in Septic Patients: A Narrative Review](#). *Medicina (Kaunas, Lithuania)*, 62(5), Article 879. 2.9
21. Kakars, M., Kulibaba, G., Merchant, Z., & Zviedre, A. et al. (2026). [Comparison of Two Antibiotic Combinations for Conservative Treatment of Non-Complicated Appendicitis in Children](#). *Medicina*, 62(7), Article 1399. 2.9
22. Stagisa, E., Šilovs, A., Skuburs, G. K., & Zdanovskis, N. et al. (2026). [Quantitative and Qualitative MRI Assessment of Perivascular Spaces in Parkinson's Disease Patients †](#). *Medicina (Lithuania)*, 62(4), Article 613. 2.9
23. Bērza, N., Žodžika, J., Kīvīte-Urtāne, A., & Čurkste, A. et al. (2026). [Factors associated with women's choice for mode of cervical sampling in future cervical cancer screening](#). *PloS one*, 21(7), e0353180. 2.8
24. Prince, A. M., Zeltiņa, I., Reinis, A., & Valciņa, O. et al. (2026). [HBV and the Microbiome - PubMed Database Literature Review](#). *Infectious Disease Reports*, 18(3), Article 38. 2.6
25. Rožukalne, A., Ozoliņa, L., & Sprudzāne, S. (2026). [Overrepresented in society, underrepresented in the media: the illusion of gender equality in participant sourcing practices for socio-political discussions on Latvian public service media \(2022–2025\)](#). *Frontiers in Communication*, 11, Article 1814835. 2.0
26. Nurulfa, R., Kļaviņa, A., & Melcer, C. (2026). [Associations Between Sports-Based After-School Activities, Cognitive Ability, Physical Health, Problematic Internet Use, Psychosocial Health, and Health-Related Behaviors Among Indonesian Adolescents](#). *Journal of the Korean Academy of Child and Adolescent Psychiatry*, 37(3), 151-164. 2.0
27. Grabčika, A., Kažoka, D., Vētra, J., & Pilmane, M. (2026). [Longitudinal Growth Patterns in Boys and Girls Aged 9–14 Years by Birth Season](#). *American Journal of Human Biology*, 38(7), Article e70311. 1.9
28. Zariņš, J., Vistarts, K., Svare, A., & Radziņš, O. et al. (2026). [Mandible and Temporomandibular Joint Reconstruction with Flow-through Fibula and Lateral Femoral Condyle Flaps: A Case Series](#). *Plastic and Reconstructive Surgery - Global Open*, 14(3), Article e7533. 1.9
29. Jirgensons, G., & Palkova, K. (2026). [Balancing Doctor Mobility and Public Health Delivery: Human Resources for Health in Latvia](#). *Social Inclusion*, 14, Article 12073. 1.3
30. Grīviņa, K. (2026). [Caring From the Middle: On Digital and Intergenerational Links Among the Middle-Aged](#). *Social Inclusion*, 14, Article 12148. 1.3
31. Lulle, A., & Lāma, E. (2026). [Midlife Digital Care Work of the Highly Skilled Migrants](#). *Social Inclusion*, 14, Article 12119. 1.3
32. Lulle, A., & Puzo, I. (2026). [Mobility and Relations in Digitally Saturated Social Worlds](#). *Social Inclusion*, 14, Article 12877. 1.3

33. Masiliūnas, R., Zaboras, E., Daškevičiūtė, A., & Jurjāns, K. et al. (2026). [Stroke Care Performance in the Baltic States: A Multicenter Registry-Based Observational Study](#). Acta Neurologica Scandinavica, 2026(1), Article 5552328. 1.1
34. Kaķe, M., & Upeniece, I. (2026). [A Questionnaire Survey Study in one Clinical Center: Skin Emollient–Use Patterns Among Patients With Atopic Dermatitis of Varying Severity](#). Dermatologic Therapy, 2026(1), Article 2117348. 1.0
35. Krieviņš, D., Jēgere, S., Arko, F., & Lācis, A. et al. (2026). [Coronary plaque burden and computed tomography-derived fractional flow reserve are predictors of 5-year mortality in peripheral artery disease patients with no known coronary artery disease](#). Journal of Vascular Surgery Cases, Innovations and Techniques, 12(5), Article 102361. 0.9
36. Petrova, L., Ustiča, J., Rasčevska, E., & Pulikkotil, S. J. (2026). [Pre-Eruptive Intracoronary Resorption: Report of Two Cases](#). Reports, 9(2), Article 190. 0.5
37. Kameņeckā-Usova, M., Donāne, L., & Greine, E. (2026). [Between Autonomy and EU Law: The European Sport Model in the Era of lex sportiva](#). Access to Justice in Eastern Europe, 9(3), 174-200. 0.5
38. Nagle, E., Skrūzkalne, I., Zolovs, M., & Rajevska, O. et al. (2026). [Development and Initial Validation of the Multidimensional Psychosocial Work Environment Scale for Employed Persons \(MPWES\)](#). International Journal of Environmental Research and Public Health, 23(7), Article 854.
39. Storozhenko, I. P., & Sirenko, P. (2026). [Submillimeter-Wave InN Gunn Diodes Featuring a GaInN Graded-Gap Injector](#). Journal of Nano- and Electronic Physics, 18(3), Article 03031.
40. Nurulfa, R., Kļaviņa, A., & Melcer, C. (2026). [The Interplay of Physical Activity, Sleep Quality, Eating Habits, Problematic Internet Use, and Cognitive Ability among Adolescents in Sport and Non-Sport After-School Programs](#). Physical Activity and Health, 10 (1), 117-134.
41. Hansone, H. M., & Mihailova, A. (2026). [Uric Acid Target Achievement and Factors Associated with Treatment Outcomes in Gout: A Retrospective Study from a Tertiary Rheumatology Centre](#). Proceedings of the Latvian Academy of Sciences, Section B: Natural, Exact, and Applied Sciences, 80(3), 247–251.