



84th International Scientific
Conference of the
University of Latvia 2026



LATVIJAS
UNIVERSITĀTE

Mikrobioloģija un biotehnoloģija

Ceturtdiena, 2026. gada 16. aprīlī, plkst. 9.00
Zinātnes mājā, Jelgavas ielā 3, Rīga
103. telpa

Thursday, 16 April 2026, 9.00 a.m
House of Science, Jelgavas street 3, Riga
room 103

Programma | Programme

Vadītājs | Chair: Jānis Liepiņš

9.00–9.15	Prof. Guntars Kitenbergs University of Latvia Latvijas Universitāte	Physics-Based Microscopic Characterization of Bacterial Motility Submitted Referāts
9.15–9.30	PhD. Mihails Birjukovs University of Latvia Latvijas Universitāte	Magnetic control of magnetotactic bacteria swarms Referāts
9.30–9.45	PhD. Swarna Kumari Gaja Latvian Institute of Organic synthesis	P450 Cyptide Synthase KwwB Catalyzes Non-Native Cross-Link at Tyr-C3–Trp-N1 and Tolerates Leader Peptide Mutations Referāts
9.45–10.00	Emīlija Skrupska University of Latvia Latvijas Universitāte	The potential use of Turkey tail fungus (<i>Trametes versicolor</i>) mycelium composites in the development of controlled-release fertilizers.
10.00–10.15	Otīlija Baltmane Agrihorts	Methods for Inducing Sporulation in <i>Alternaria</i> Isolates and the Impact of Their Spores on Rye Seed Germination.
10.15–10.30	PhD Agris Pentjuss University of Latvia Latvijas Universitāte	Genome-scale metabolic modeling of <i>Galdieria sulphuraria</i> for agricultural residue valorization and enhanced glycogen-rich (floridean starch) biomass production.