

Absolute quantification of viable bacteria abundances in food by next-generation sequencing : quantitative NGS of viable microbes

Kallastu, Aili; Malv, Esther; **Aro, Valter**; Meikas, Anne; Vendelin, Mariann; **Kattel, Anna**; Nahku, Ranno; Kazantseva, Jekaterina
Current Research in Food Science 2023 / art. 100443 <https://doi.org/10.1016/j.crfs.2023.100443> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Activated sludge process coupled with intermittent ozonation for sludge yield reduction and effluent water quality control
Järvik, Oliver; Viiraja, Andres; Kamenev, Sven; Kamenev, Inna Journal of chemical technology and biotechnology 2011 / p. 978–984 : ill

Adaptastat - a new method for optimising of bacterial growth conditions in continuous culture : interactive substrate limitation based on dissolved oxygen measurement

Tomson, Katrin; Barber, Jill; **Vanatalu, Kalju** Journal of microbiological methods 2006 / 3, p. 380-390 : ill
<https://pubmed.ncbi.nlm.nih.gov/15992952/>

"AK. Nädal" uuris, kuidas jõuab inimesteni puhas joogivesi

Saar, Sandra novaator.err.ee 2023 ["AK. Nädal" uuris, kuidas jõuab inimesteni puhas joogivesi](#)

Analysis of functional gene transcripts suggests active CO₂ assimilation and CO oxidation by diverse bacteria in marine sponges

Feng, Guofang; Zhang, Fengli; Banakar, Shivakumar; **Karlep, Liisi**; Li, Zhiyong FEMS Microbiology Ecology 2019 / art. fiz087
<https://doi.org/10.1093/femsec/fiz087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Antibacterial activity of 24 L-phenylalanine derived surface-active ionic liquids (SAILs) towards two clinically relevant pathogens

Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; Gathergood, Nicholas; Kahru, Anne Journal of international scientific publications : ecology & safety 2019 / p. 16-28 : ill <https://www.scientific-publications.net/en/article/1001856/>

Antibacterial activity of positively and negatively charged hematite (α-Fe₂O₃) nanoparticles to escherichia coli, staphylococcus aureus and vibrio fischeri

Vihodceva, Svetlana; Šutka, Andris; Sihtmäe, Mariliis; **Rosenberg, Merilin**; Otsus, Maarja; Kurvet, Imbi; Smits, Krisjanis; Bikse, Liga; Kahru, Anne; Kasemets, Kaja Nanomaterials 2021 / p. 1-26 <https://doi.org/10.3390/nano11030652> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Antibacterial and antifungal efficacy of novel chitosan-silver nanocomposites

Kasemets, Kairi; Laanoja, Jüri; Sihtmäe, Mariliis; Kurvet, I.; Otsus, Maarja; Vija, H.; Kahru, Anne (E-MRS) European Materials Research Society 2023 Spring Meeting : 40th Anniversary 2023 / art. 61_875
<https://www.dropbox.com/s/w8prtknkt2ekutr/SPRING%2023%20-%20Conference%20program.pdf?dl=0>

Antimicrobial activity of commercial photocatalytic SaniTise™ Window glass

Kisand, Vambola; Visnapuu, Meeri; **Rosenberg, Merilin**; Danilian, Dmytro; Vlassov, Sergei; Kook, Mati; Lange, Sven; Pärna, Rainer; Ivask, Angela Catalysts 2022 / art. 197 <https://doi.org/10.3390/catal12020197> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Antimicrobial particles based on Cu₂ZnSnS₄ monograins

Žalneravicius, Rokas; Pakštas, Vidas; Grinciene, Giedre; Klimas, Vaclovas; Paškevičius, Algimantas; **Timmo, Kristi**; **Kauk-Kuusik, Marit**; Franckevicius, Marius; Niaura, Gediminas; Talaikis, Martynas; Jagminas, Arunas; Ramanavicius, Arunas Colloids and Surfaces B: Biointerfaces 2023 / art. 113275 <https://doi.org/10.1016/j.colsurfb.2023.113275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bacterial communities associated with healthy and diseased (skeletal growth anomaly) reef coral Acropora cytherea from Palk Bay, India

Rajasabapathy, Raju; **Ramasamy, Kesava Priyan**; Manikandan, Balakrishnan; Mohandass, Chellandi; James, Rathinam Arthur Frontiers in marine science 2020 / art. 92, 8 p. : ill <https://doi.org/10.3389/fmars.2020.00092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bacterial population dynamics in long-ripening cheese

Blank, Liisi; **Panke, Marta**; Saareleht, J.; **Laht, Tiit-Maie** The 1st Congress of Baltic Microbiologists : Riga, Latvia, 31.10. - 4.11.2012 : book of abstracts 2012

BAKTER, MIS SUUDAB TEKITADA VÄHKI: Eestis on sellega nakatunud üle poole inimestest [Võrguväljaanne]

Maasikamäe, Sirje ohtuleht.ee 2021 ["BAKTER, MIS SUUDAB TEKITADA VÄHKI: Eestis on sellega nakatunud üle poole inimestest"](#)

Bakterid - kas uus võimalus rasvumisega võitlemiseks?

Liebert, Tiit Postimees 2020 / lk. 6-7 https://www.ester.ee/record=b1072778*est

Bakterite imeline maailm; 1. osa

Lelumees, Siiri Kodutohter 2020 / lk. 30-33 : ill http://www.ester.ee/record=b1072381*est

The beneficial effect of reusable food boxes on the green transition

Tähemaa, Toivo; Sarkans, Martinš; Sarand, Inga; Pohlak, Meelis; Niidas, Alar Modern Materials and Manufacturing 2023 : Tallinn, Estonia, 2–4 May 2023 2024 / art. 030012 <https://doi.org/10.1063/5.0189325> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Biocontrol of Fusarium wilt of Capsicum annuum by rhizospheric bacteria isolated from turmeric endowed with plant growth promotion and disease suppression potential

Passari, Ajit Kumar; Lalsiamthari, P.C.; Zothanpuia; Leo, Vincent Vineeth; Mishra, Vineet Kumar; Yadav, Mukesh Kumar; **Gupta, Vijai Kumar**; Singh, Bhim Pratap European Journal of Plant Pathology 2018 / p. 831 - 846 <https://doi.org/10.1007/s10658-017-1325-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Biodegradation of dissolved jet fuel in chemostat by a mixed bacterial culture isolated from a heavily polluted site

Rožkov, Aleksei; Käär, Arvo; Vilu, Raivo Biodegradation 1998 / p. 363-369: ill

Biodegradation of m-toluate by pine, mycorrhizal fungus and associated bacteria

Sarand, Inga; Koivula, Teija; Timonen, Sari; Sen, Robin; Romantschuk, Martin EMS 96 teaduskonverents, 6.-7. juuni 1996, Tallinn = EMS 96 Scientific Conference, 6-7 June 1996, Tallinn 1996 / [1] p

Biological nanofactories : using living forms for metal nanoparticle synthesis

Srivastava, Shilpi; **Usmani, Zeba**; Atanasov, Atanas G.; Singh, Vinod Kumar; Singh, Nagendra Pratap; Abdel-Azeem, Ahmed M. Mini-Reviews in Medicinal Chemistry 2021 / p. 245 - 265 <https://doi.org/10.2174/1389557520999201116163012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Biological parameters : micro-organisms

Saava, Astrid Assessment of the effects of pollution on the natural resources of the Baltic Sea, 1980 1981 / p. 265-295 https://www.ester.ee/record=b1359400*est

Bioremediation of petroleum waste products : a concerted effort of plants, mycorrhizal fungi and their associated bacteria

Timonen, S.; **Sarand, Inga**; Rajamäki, M.; Koivula, T.; Peltola, R.; Nurmiaho-Lassila, E.-L.; Haahtela, K.; Romantschuk, M.; Sen, R. 5th Meeting of Finnish Plant Scientists, Kuopio, Finland, May 23-24, 1996 1996 / p. 135-136

Biosynthesis of CGT by Bacillus macerans

Vokk, Raivo; Peipman, Elsa; Krosing, Valve Carbohydrates 1989 : abstracts of the Vth European Carbohydrate Symposium ;August 21-25, 1989, Prague, Czechoslovakia 1989 / p. 39

BOD/COD ratio as a probing index in the O/H/O process for coking wastewater treatment

Wei, Gengrui; Wei, Tuo; Li, Zemin; Wei, Cong; Kong, Qiaopin; Guan, Xianghong; Qiu, Guanglei; Hu, Yun; Wei, Chaohai; Zhu, Shuang; Liu, Yu; **Preis, Sergei** Chemical Engineering Journal 2023 / art. 143257 <https://doi.org/10.1016/j.cej.2023.143257> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Can isothermal microcalorimetry be used to characterise bacterial growth on prebiotic oligosaccharides?

Adamberg, Signe; Tomson, Katrin; Vija, Heiki; Wadström, T.; Ljungh, A.; **Adamberg, Kaarel** The Intestinal Microbiota and Gut Health : Contribution of the Diet, Bacterial Metabolites, Host Interactions and Impact on Health and Disease : IATA (CSIC), Valencia, Spain, 18th-20th September 2013 : conference proceedings, short communications 2013 / p. 15-17 : ill

Characterization of sulfate reducing bacteria in yeast industry waste by microcalorimetry and PCR amplification

Menert, Anne; Paalme, Viiu; **Juhkam, Jelena; Vilu, Raivo** 6th Mediterranean Conference on Calorimetry and Thermal Analysis : MEDICTA 2003 : 27-30 July 2003, Portugal : book of abstracts 2003 / p. 95 <https://www.sciencedirect.com/science/article/pii/S0040603104002308>

Characterization of sulfate-reducing bacteria in yeast industry waste by microcalorimetry and PCR amplification

Menert, Anne; Paalme, Viiu; **Juhkam, Jelena; Vilu, Raivo** Thermochimica acta 2004 / 1/2, p. 89-98 : ill https://www.researchgate.net/publication/224858800_Characterization_of_Sulphate-Reducing_Bacteria_in_Yeast_Industry_Waste_by_Microcalorimetry_and_PCR_Amplification

Co-metabolism of amino acids and polyfructans by Bacteroides thetaiotaomicron in defined media

Adamberg, Signe; Tomson, Katrin; Vija, Heiki; Visnapuu, Triinu; **Adamberg, Kaarel** 2014 ENGIHR Conference : The Gut Microbiota Throughout Life : Max Rubner-Institut, Karlsruhe (Germany), 24th-26th September 2014 / [3] p. : ill

Complete genome sequencing of the luminescent bacterium, vibrio qinghaiensis sp. Q67 using PacBio technology

Gong, Liang; Wu, Yu; Jian, Qijie; Yin, Chunxiao; **Gupta, Vijai Kumar**; Duan, Xuewu; Jiang, Yueming Scientific Data 2018 / art. 170205 <https://doi.org/10.1038/sdata.2017.205> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

- Construction and use of specific luminescent recombinant bacterial sensors for the assessment of bioavailable fraction of cadmium, zinc, mercury and chromium in the soil**
Ivask, Angela; Virta, Marko; Kahru, Anne Soil biology and biochemistry 2002 / p. 1439-1447
- Degradation of fructans and production of propionic acid by Bacteroides thetaiotaomicron are enhanced by the shortage of amino acids**
Adamberg, Signe; Tomson, Katrin; Vija, Heiki; Puurand, Marju; Kabanova, Natalja; Visnapuu, Triinu; Jõgi, Eerik; Alamäe, Tiina; Adamberg, Kaarel Frontiers in nutrition 2014 / p. 1-9 : ill
- Detailed analysis of metabolism reveals growth-rate-promoting interactions between Anaerostipes caccae and Bacteroides spp**
Kattel, Anna; Morell, Indrek; Aro, Valter; Lahtvee, Petri-Jaan; Vilu, Raivo; Jöers, Arvi; Nahku, Ranno Anaerobe 2023 / art. 102680 <https://doi.org/10.1016/j.anaerobe.2022.102680> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS
- Detection of Candidatus Neoehrlichia mikurensis and Ehrlichia muris in Estonian ticks**
Ivanova, Anna; Geller, Julia; Katargina, Olga; Värvi, Kairi; Lundkvist, Åke; Golovljova, Irina Ticks and tick-borne diseases 2017 / p. 13-17 : ill <https://doi.org/10.1016/j.ttbdis.2016.08.010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS
- Determination of growth characteristics of sulfate reducing bacteria by microcalorimetry and ATP**
Menert, Anne; Kahru, Anne; Blonskaja, Viktoria; Tarassova, J.; Vilu, Raivo ISBC XII : Calorimetry : Tool in Health and Environmental Studies : Santiago de Compostela, Espana, 7-11 September 2001 : book of abstracts / International Society for Biological Calorimetry 2001 / p. 49
- Development and production of extruded food and feed products containing probiotic microorganisms = Probiotilisi mikroorganisme sisaldavate ekstrudeeritud toiduainete ja loomasöötade tootmistehnoloogia väljatöötamine ja rakendamine**
Kazarjan, Aram 2012
- Development of a microcalorimetric method for the study of fermentation processes = Kalorimeetrilise meetodi väljatöötamine fermentatsiooniprotsesside uurimiseks**
Kabanova, Natalja 2013 https://www.ester.ee/record=b2945255*est
- Development of bacterial biosensors and human stem cell-based in vitro assays for the toxicological profiling of synthetic nanoparticles = Rekombinantsetel sensorbakteritel ja inimese tüvirakkudel põhinevate in vitro testide väljatöötamine sünteetiliste nanoosakeste toksikoloogiliseks uurimiseks**
Bondarenko, Olesja 2012 <https://digi.lib.ttu.ee/i/?794>
- Differences in gut microbiota between atopic and healthy children**
Drell, Tiina; Larionova, Anneli; Voor, Tiia; Simm, Jaak; Julge, Kaja; Heilman, Kaire; Tillmann, Vallo; Štšepetova, Jelena; Sepp, Epp Current Microbiology 2015 / p. 177-183 <https://doi.org/10.1007/s00284-015-0815-9> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS
- Direct droplet digital PCR (dddPCR) for species specific, accurate and precise quantification of bacteria in mixed samples**
Pacocha, Natalia; Scheler, Ott; Nowak, Mikolaj Marcin Analytical methods 2019 / p. 5655-5738 : ill <https://doi.org/10.1039/c9ay01874c> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS
- Diversity and stability of lactic acid bacteria in rye sourdoughs of four bakeries with different propagation parameters**
Viid, Ene; Bessmeltseva, Marianna; Simm, Jaak; Talve, Tiina; Aaspõllu, Anu; Paalme, Toomas; Sarand, Inga PLoS ONE 2016 / art. e0148325 <https://doi.org/10.1371/journal.pone.0148325> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS
- Doktoritöö: kahjurivabad ökomajad**
Kõik ärikinnisvarast : [ajalehe Äripäev lisa] 2022 / Lk. 12-13 : ill https://www.ester.ee/record=b2050444*est
- Doktoritöö: kuidas kaitsta ökomaju kahjurite eest?**
Maa Elu 2022 / Lk. 5 <https://dea.digar.ee/article/maaelu/2022/03/31/6.8>
- Draft genome sequence of a new pseudomonas sp. strain, ef1, associated with the psychrophilic Antarctic Ciliate Euplotes focardii**
Ramasamy, Kesava Priyan; Telatin, Andrea; Mozzicafreddo, Matteo; Miceli, Cristina; Pucciarelli, Sandra Microbiology resource announcements 2019 / art. e00867-19, 2 p <http://dx.doi.org/10.1128/MRA.00867-19>
- Drinking water production from well water with high sulfur and sulfur bacteria content**
Munter, Rein; Vilu, Helle Journal of environmental engineering 2008 / 5, p. 376-381 : ill

Droplet-based technology for studying the phenotypic effect of microplastics on antimicrobial resistance

Bartkova, Simona; Sulp, Fenella Lucia; Sanka, Immanuel; Pata, Pille; Scheler, Ott Proceedings 2023 / art. 41

<https://doi.org/10.3390/proceedings2023092041>

Dye-decolorizing peroxidase of *Streptomyces coelicolor* (ScDyPB) exists as a dynamic mixture of kinetically different oligomers

Pupart, Hegne; Vastõjonok, Darja; **Lukk, Tiit;** Väljamäe, Priit ACS Omega 2024 / p. 3866-3876 : ill

<https://doi.org/10.1021/acsomega.3c07963> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eesti teadlased : inime saab oma soolebaktereid otseselt mõjutada [Võrguväljaanne]

Adamberg, Kaarel; Adamberg, Signe heureka.postimees.ee 2019 / fot [Eesti teadlased: inime saab oma soolebaktereid otseselt mõjutada](#) <https://doi.org/10.1080/16512235.2018.1549922>

<https://doi.org/10.1080/16512235.2018.1549922>

Eesti teadlased avastasid, mis aitab vältida viirusest tingitud südamehaigusi [Võrguväljaanne]

postimees.ee 2022 "[Eesti teadlased avastasid, mis aitab vältida viirusest tingitud südamehaigusi](#)"

Eesti teadlased on suutnud tervislikuks muuta nii šokolaadi kui ka krõpsud

Raamets, Heli Maaleht 2021 / Lk. 12-13 : ill <https://dea.digar.ee/article/maaleht/2021/04/01/13.2>

Eesti teadlased püüavad puukborrelioosi seljatada kohalike ravimtaimedega

Laanet, Pille-Riin; Vaher, Merike goodnews.ee 2023 [Eesti teadlased püüavad puukborrelioosi seljatada kohalike ravimtaimedega](#)

Enumeration of sanitary-indicator bacteria

Saava, Astrid Merentutkimuslaitos = Finnish marine research 1980 / p. 61-67 https://www.ester.ee/record=b1200299*est

Environmental effects of soil contamination by shale fuel oils

Kanarbik, Liina; Blinova, Irina; Sihtmäe, Mariliis; Künnis-Beres, Kai; Kahru, Anne Environmental science and pollution research 2014

/ p. 11320-11330 : ill <https://doi.org/10.1007/s11356-014-3043-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Erratum: author correction: Insights into the functionality of endophytic actinobacteria with a focus on their biosynthetic potential and secondary metabolites production (Scientific reports (2017) 7 1 (11809))

Passari, Ajit Kumar; Mishra, Vineet Kumar; Singh, Garima; Singh, Pratibha; Kumar, Brijesh; **Gupta, Vijai Kumar; Sarma, Rupak**

Kumar; Saikia, Ratul; Donovan, Anthonia O'; Singh, Bhim Pratap Scientific reports 2018 / art. 4650, 1 p.

<https://doi.org/10.1038/s41598-018-22947-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Erratum: Microbiome definition re-visited: old concepts and new challenges (Microbiome (2020) 8 (103) DOI:

10.1186/s40168-020-00875-0)

Berg, Gabriele; Rybakova, Daria; Fischer, Doreen; Cernava, Tomislav; Vergès, Marie-Christine Champomier; Charles, Trevor C.;

Chen, Xiaoyulong; Cocolin, Luca; Eversole, Kellye; **Sarand, Inga** Microbiome 2020 / art. 119, 1 p. [https://doi.org/10.1186/s40168-020-](https://doi.org/10.1186/s40168-020-00905-x)

[00905-x](https://doi.org/10.1186/s40168-020-00905-x) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ethanol and levan production by *Zymomonas mobilis*

Mezhbarde, I.; Yalinska, A.; Urbanovics, I.; Ventina, E.; Beker, M.; Pankova, L.; Shvinka, J. Biobalt'92 : Biotechnology in Estonia,

Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 37

Evaluating the effect of different fibers on a simplified gut microbiota

Aro, Valter; Kattel, Anna; Nahku, Ranno; Viird, Ene; **Vilu, Raivo** 14th Baltic Conference on Food Science and Technology

"Sustainable Food for Conscious Consumer" : FoodBalt 2021 : book of abstracts 2021 / p. 19

https://tftak.eu/foodbalt/assets/files/Foodbalt_Book_of_Abstacs.pdf

Evaluation of the biological effects of engineered nanoparticles on unicellular pro- and eukaryotic organisms =

Sünteeiliste nanoosakeste bioloogiliste efektide hindamine üherakulistel pro- ja eukarüootsetel organismidel

Mortimer, Monika 2011 https://www.ester.ee/record=b2709099*est

Evolution of bacterial consortia in spontaneously started rye sourdoughs during two months of daily propagation

Bessmeltseva, Marjanna; Viird, Ene; Simm, Jaak; Paalme, Toomas; Sarand, Inga PLoS ONE 2014 / p. 1-12 : ill

<https://doi.org/10.1371/journal.pone.0095449> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fed-batch growth of auxotrophic *E. coli* in fully deuterated medium

Vanatalu, Kalju International Union of Microbiological Societies, IUMS Congress '96. 8th International Congress of Bacteriology and

Applied Microbiology Division. 8th International Congress of Mycology Division, Jerusalem, Israel, Aug. 18-23, 1996 : abstracts 1996

/ p. 14

Fotosünteesiva bakteri *Chlorobium thiosulfatophilum* CO₂ fikseerimisreaktsioonide kvantitatiivsed mustrid heterotroofsetes kasvutingimustes

Abner, Kristo; **Paalme, Toomas; Vilu, Raivo** XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian

Genetic potential of indigenous bacteria : degradation of phenolic compounds in polluted river water

Heinaru, E.; Laht, T.; Talpsep, E.; Heinaru, A. BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 19

Genome-wide investigation of mRNA lifetime determinants in Escherichia coli cells cultured at different growth rates

Esquerré, Thomas; Moisan, Annick; Chiapello, Hélène; Arike, Liisa; **Vilu, Raivo**; Gaspin, Christine; Cocaïgn-Bousquet, Muriel; Girbal, Laurence BMC Genomics 2015 / art. 275 <https://doi.org/10.1186/s12864-015-1482-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Genomic features and copper biosorption potential of a new Alcanivorax sp. VBW004 isolated from the shallow hydrothermal vent (Azores, Portugal)

Ramasamy, Kesava Priyan; Rajasabapathy, Raju; **Lips, Inga**; Mohandass, Chellandi; James, Rathinam Arthur Genomics 2020 / p. 3268–3273 <https://doi.org/10.1016/j.ygeno.2020.06.015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Growth characterization of individual rye sourdough bacteria by isothermal microcalorimetry

Mihhalevski, Anna; **Sarand, Inga**; **Viiard, Ene**; Salumets, Airika; **Paalme, Toomas** Journal of applied microbiology 2011 / 2, p. 529-540

Growth of thermophilic starter bacteria in non-irradiated and irradiated reconstituted milk

Stulova, Irina; **Kabanova, Natalja**; **Kriščiunaite, Tiina**; Taivosalo, Anastassia; **Laht, Tiiu-Maie**; **Vilu, Raivo** 23rd International ICFMH Symposium FoodMicro 2012 : Istanbul, Turkey, 3-7 September 2012 : Global Issues In Food Microbiology : abstract book 2012 / p. 725

Gut bacteria co-culture in vitro studies

Aro, Valter; **Kattel, Anna**; Morell, Indrek; **Vilu, Raivo** 14th Baltic Conference on Food Science and Technology "Sustainable Food for Conscious Consumer" : FoodBalt 2021 : book of abstracts 2021 / p. 18 https://tftak.eu/foodbalt/assets/files/Foodbalt_Book_of_Abstacts.pdf

Happelisem jämesool aitab bakteritel tervist turgutada [Võrguväljaanne]

novaator.err.ee 2021 / fot [Happelisem jämesool aitab bakteritel tervist turgutada](#)

Helicobacter pylori and the possible probiotic Lactobacillus salivarius co-exist in Estonian gastric biopsy sample

Roots, Kaisa; **Kasak, Lagle**; **Suurmaa, Külliki**; **Sarand, Inga**; **Spuul, Pirjo** Helicobacter 2020 <https://www.x-mol.com/paper/1304864948814581760> <https://onlinelibrary.wiley.com/journal/15235378?tabActivePane=> <https://doi.org/10.1111/hel.12745>

Helicobacter pylori-induced inflammatory response mediates invadosome formation and emergence of hybrid epithelial/mesenchymal phenotype in infected hepatocytes

Smirnova, Olga; **Roots, Kaisa**; **Rukavitsõna, Elina**; **Kasak, Lagle**; **Karniol, Karmen**; Varon, C.; Genot, Elisabeth; **Spuul, Pirjo** Helicobacter 2020 <https://doi.org/10.1111/hel.12745>

HIIFIBER - Eesti teadlaste innovatsioon piimaletis

Postimees 2021 / Lk. 11 : fot

High-throughput bacterial aggregation analysis in droplets

Saar-Abroi, Merili; **Lindpere, Karoliine**; **Olman, Triini**; **Sulp, Fenella Lucia**; **Sanka, Immanuel**; **Bartkova, Simona**; **Scheler, Ott** bioRxiv 2024 / 6 p. <https://doi.org/10.1101/2024.09.24.613170>

Horisontal transfer of released phe-genes in the wild

Peters, M.; Talpsep, E.; Heinaru, E.; Heinaru, A.; Nurk, A. BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 29

Implications of plant growth promoting Klebsiella sp. CPSB4 and Enterobacter sp. CPSB49 in luxuriant growth of tomato plants under chromium stress

Gupta, Prathishtha; Kumar, Vipin; Usmani, Zeba; Rani, Rupa; Chandra, Avantika; **Gupta, Vijai Kumar** Chemosphere 2020 / Art. nr. 124944 <https://doi.org/10.1016/j.chemosphere.2019.124944> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving ADM1 model to simulate anaerobic digestion start-up withininhibition phase based on cattle slurry

Normak, Argo; Suurpere, Jaak; Suitso, Indrek; Jõgi, Erkki; Kokin, Eugen; **Pitk, Peep** Biomass and Bioenergy 2015 / p. 260 - 266 <https://doi.org/10.1016/j.biombioe.2015.05.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of biological growth stimulator (algal preparation) on the growth characteristics of bacteria in anaerobic digesters

Menert, Anne; Liiders, M.; **Kurissoo, Tõnu;** **Vilu, Raivo** The World of Microbes : Xth International Congress of Bacteriology and Applied Microbiology, Paris, 27th July to 1st August 2002 : abstracts 2002 / p. 159-160

Influence of biological growth stimulator on the growth characteristics of bacteria

Menert, Anne; **Blonskaja, Viktoria** The Sulfur Cycle in Environmental Biotechnology : Options for Sulfur and Heavy Metal Removal/recovery, May 12-17, 2002, Wageningen, The Netherlands : EURO Summer School programme 2002 / [1] p

Influence of glucose on the kinetics of whey protein hydrolysis by trypsin and effect of whey protein hydrolysis products on the growth of bacteria

Adamberg, Kaarel; Kostyra, H.; Swiatecki, A. Food and nutrition = Toit ja toitumine 2003 / p. 21-33 : ill

Influence of nonenzymatic glycosylation of whey proteins and concentration of glucose on their hydrolysis by trypsin and growth and survival of selected bacteria

Adamberg, Kaarel; Kostyra, H.; Kostyra, E. Milchwissenschaft = Milk science international 2005 / 4, p. 422-426

<https://www.semanticscholar.org/paper/Influence-of-non-enzymatic-glycosylation-of-whey-of-Adamberg-Kostyra/cd0dff0ba071aea2e324aff612e5618368e06032>

Inimese ja soolebakteri genoomist

Metsis, Madis Tarkade Klubi 2010 / erinumber, lk. 46

Insights into the functionality of endophytic actinobacteria with a focus on their biosynthetic potential and secondary metabolites production

Passari, Ajit Kumar; Mishra, Vineet Kumar; Singh, Garima; Singh, Pratibha; Kumar, Brijesh; **Gupta, Vijai Kumar;** Sharma, Rupak Kumar; Saikia, Ratul; Donovan, Anthonia O'; Singh, Bhim Pratap Scientific reports 2017 / art. 11809, 17 p.

<https://doi.org/10.1038/s41598-017-12235-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Isolation and characterization of Streptococcus strain with alpha-glycerophosphate oxidase activity

Bagdonaite, L.; Meshkys, R. Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 48

Kaubalaevade ballastvee puhastamine jätab soovida [Võrguväljaanne]

keskkonnatehnika.ee 2021 ["Kaubalaevade ballastvee puhastamine jätab soovida"](#)

Kokkuvõte = Резюме = Summary

Adamberg, Signe Mina, superorganism : lugu bakterite ja inimese kooselust : näituse kataloog = Я, суперорганизм! : история о сожительстве бактерии и человека : каталог выставки = Me, superorganism! : tale about the untold story of bacteria : exhibition catalogue 2019 / lk. 83 https://www.ester.ee/record=b5255688*est

Kooke kaunistatakse sageli pesemata marjadega. Miks seda teha ei tohiks ja kuidas värskaid marju õigesti pesta?

Skuin, Mari delfi.ee 2025 <https://omamaitse.delfi.ee/artikkel/120365628/kooke-kaunistatakse-sageli-pesemata-marjadega-miks-seda-teha-ei-tohiks-ja-kuidas-varskeid-marju-ogesti-pesta>

KURI HELIKOBakter: suudab tekitada põletikku, aga ka vähki

Maasikamäe, Sirje Õhtuleht 2021 / Lk. 14 : fot <https://dea.digar.ee/article/oh tuleht/2021/06/01/10.5>

Kõhubakterite kuningriik - tervise tagala

Adamberg, Kaarel Postimees 2021 / Lk. 2 https://www.ester.ee/record=b1072778*est

Kõhutervise audit. Häid kõhubaktereid toKuidas toetada oma teist aju ehk mikrobiomi? Millega toita häid kõhubaktereid?

Adamberg, Kaarel tervispluss.delfi.ee 2024 [Kõhutervise audit. Häid kõhubaktereid toKuidas toetada oma teist aju ehk mikrobiomi? Millega toita häid kõhubaktereid?](#)

Levan enhances associated growth of Bacteroides, Escherichia, Streptococcus and Faecalibacterium in fecal microbiota

Adamberg, Kaarel; Tomson, Katrin; Talve, Tiina; Pudova, Ksenia; **Puurand, Marju;** Visnapuu, Triinu; Alamäe, Tiina; **Adamberg, Signe** PLoS ONE 2015 / p. 1-18 : ill <https://doi.org/10.1371/journal.pone.0144042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Luminescent recombinant sensor bacteria for the analysis of bioavailable heavy metals

Ivask, Angela 2006 https://www.ester.ee/record=b2158067*est

Machine learning pattern recognition and differential network analysis of gastric microbiome in the presence of proton pump inhibitor treatment or Helicobacter pylori infection [Online resource]

Ciucci, Sara; Duran, Claudio; Palladini, Alessandra; **Spuul, Pirjo** bioRxiv 2020 / 70 p. : ill <https://doi.org/10.1101/2020.03.24.005587>

Microbiome definition re-visited: old concepts and new challenges

Berg, Gabriele; Rybakova, Daria; Fischer, Doreen; **Sarand, Inga** Microbiome 2020 / art. 103, 22 p. : ill <https://doi.org/10.1186/s40168-020-00875-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microbiome of root vegetables - a source of gluten-degrading bacteria

Kõiv, Viia; **Adamberg, Kaarel**; **Adamberg, Signe**; Sumeri, Ingrid; Kasvandik, Sergo; Kisand, Veljo; Maiväli, Ülo; Tenson, Tanel Applied microbiology and biotechnology 2020 / p. 8871-8885 : ill <https://doi.org/10.1007/s00253-020-10852-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microcalorimetric study of growth of Lactococcus lactis IL1403 at low glucose concentration in liquids and solid agar gels

Kabanova, Natalja; **Stulova, Irina**; **Vilu, Raivo** Thermochimica acta 2013 / p. 69-75 : ill <https://doi.org/10.1016/j.tca.2013.02.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microcalorimetry of anaerobic digestion

Menert, Anne 2001 https://www.ester.ee/record=b1570004*est

Microfluidic screening of antibiotic susceptibility at a single-cell level shows the inoculum effect of cefotaxime on: E. coli

Postek, Witold; Gargulinski, Pawel; **Scheler, Ott**; Kaminski, Tomasz S.; Garstecki, Piotr Lab on a Chip 2018 / p. 3668 - 3677 <https://doi.org/10.1039/c8lc00916c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mina, superorganism : lugu bakterite ja inimese kooselust : näituse kataloog = Я, суперорганизм! : история о сожительстве бактерии и человека : каталог выставки = Me, superorganism! : tale about the untold story of bacteria : exhibition catalogue

2019 https://www.ester.ee/record=b5255688*est

Monitoring harmful microalgal species and their appearance in Tokyo Bay, Japan, using metabarcoding

Sildever, Sirje; Nishi, Noriko; Inaba, Nobuharu; Asakura, Taiga; Kikuchi, Jun; Asano, Yasuhito; Kobayashi, Takanori; Gojobori, Takashi; Nagai, Satoshi Metabarcoding and metagenomics 2022 / art. e79471 <https://doi.org/10.3897/mbmg.6.79471> [Journal metrics at Scopus](#) [Article at Scopus](#)

Monitoring the effect of pH on the growth of pathogenic bacteria using electrical impedance spectroscopy

Razmi, Nasrin; **Lazouskaya, Maryna**; Pajcin, Ivana; Petrovic, Bojan; Grahovac, Jovana; Simic, Mitar; Willander, Magnus; Nur, Omer; Stojanovic, Goran M. Results in Engineering 2023 / art. 101425 <https://doi.org/10.1016/j.rineng.2023.101425> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Moodsad veefiltrid kasvatavad baktereid

Kivistu, Kerli; **Künnis-Beres, Kai** Postimees 2016 / lk. 6-7 <https://majandus.postimees.ee/3522921/moodsad-veefiltrid-kasvatavad-baktereid>

Morphology-dependent magnetic properties in shallow-water ferromanganese concretions

Wasiljeff, Joonas; Salminen, Johanna M.; Roberts, Andrew P.; Hu, Pengxiang; Brown, Maxwell; Kuva, Jukka; Lukkari, Sari; Jolis, Ester M.; **Heinsalu, Atko**; **Lepland, Aivo** Geochemistry, Geophysics, Geosystems 2024 / art. e2023GC011366, 21 p. : ill <https://doi.org/10.1029/2023GC011366> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mustamäe toidurevolutsioon – Eesti teadlased valmistuvad maailma vallutamiseks [Võrguväljaanne]

turundajateiliit.ee 2022 ["Mustamäe toidurevolutsioon – Eesti teadlased valmistuvad maailma vallutamiseks"](https://www.turundajateiliit.ee/2022/05/mustamae-toidurevolutsioon-estni-teadlased-valmistuvad-maailma-vallutamiseks/)

Nähtamatu koostöö: mikroplast tõstab bakterite vastupanuvõimet

Olman, Triini novaator.err.ee 2025 <https://novaator.err.ee/1609719219/nahtamatu-koostoo-mikroplast-tostab-bakterite-vastupanuvõimet>

Particle-cell contact enhances antibacterial activity of silver nanoparticles

Bondarenko, Olesja; Ivask, Angela; **Käkinen, Aleksandr**; Kurvet, Imbi; Kahru, Anne PLoS ONE 2013 / art. e64060 <https://doi.org/10.1371/journal.pone.0064060> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photobacteria as whole-cell biosensors in environmental toxicology

Kahru, Anne; **Kurvet, Madis**; **Külm, I.** XIII Scandinavian Workshop on In Vitro Toxicology, Tampere, Finland, 21-24.9.1995 : abstracts 1995 / p. 73

Physicochemical Properties Predict Retention of Antibiotics in Water-in-Oil Droplets

Ruszczak, Artur; Jankowski, Pawel; Vasantham, Shreyas K.; **Scheler, Ott**; Garstecki, Piotr Analytical chemistry 2023 / p. 1574–1581 : ill <https://doi.org/10.1021/acs.analchem.2c04644> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plankton biodiversity and species co-occurrence based on environmental DNA - a multiple marker study

Sildever, Sirje; **Laas, Peeter**; **Kolesova, Natalja**; **Lips, Inga**; **Lips, Urmas**; Nagai, Satoshi Metabarcoding and metagenomics 2021 / p. 175-197 : ill <https://doi.org/10.3897/mbmg.5.72371> [Journal metrics at Scopus](#) [Article at Scopus](#)

Population genetics of phenol-degrading bacteria in polluted river water

Talpsep, E.; Nurk, A.; Peters, M.; Heinaru, E.; Truu, J.; Heinaru, A. BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 33

Probing determinants of cyclopiiazonic acid sensitivity of bacterial Ca²⁺-ATPases

Kotšubei, Aljona; Gorgel, Manuela; Morth, Jens P.; Nissen, Poul; Andersen, Jacob L. FEBS Journal 2013 / p. 5441 - 5449

<https://doi.org/10.1111/febs.12310> [Journal metrics at Scopus](#) [Article at Scopus](#)

Properties and microbial population stability of model rye sourdough composed from bacteria isolated from industrial rye sourdough

Bessmeltseva, Marjanna; Viiard, Ene; Sarand, Inga Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 91-92

Propidium iodide staining underestimates viability of adherent bacterial cells

Rosenberg, Merilin; Azevedo, Nuno F.; Ivask, Angela Scientific reports 2019 / art. 6483, 12 p. : ill <https://doi.org/10.1038/s41598-019-42906-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quasi steady state growth of Lactococcus lactis in glucose-limited acceleration stat (A-stat) cultures

Adamberg, Kaarel; Lahtvee, Petri-Jaan; Valgepea, Kaspar; Abner, Kristo; Vilu, Raivo Antonie van Leeuwenhoek 2009 / 3, p. 219-226 <https://pubmed.ncbi.nlm.nih.gov/19184516/>

Radiotaaajuisen säteilyn vaikutus hiivasienten, homeiden ja mikrobien kasvuun

Ahonen, Mikko; Lehto, Timo; Koppel, Tarmo Sisäilmastoseminaari 2019 : 14.3.2019 2019 / p. 375-380

https://www.sisailmautiset.fi/Sisailmastoseminaari_2019.pdf

Rapid catalytic water disinfection from earth abundant Ca₂Fe₂O₅ brownmillerite

Vanags, Mārtiņš; Mežule, Linda; Spule, Arnita; Kostjukovs, Juris; Šmits, Krišjānis; Tamm, Aile; Juhna, Talis; Vihodceva, Svetlana; Käämbre, Tanel; Vasiliev, Grigory Advanced sustainable systems 2021 / art. 2100130, 10 p. : ill

<https://doi.org/10.1002/adsu.202100130> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rapid in situ assessment of Cu-ion mediated effects and antibacterial efficacy of copper surfaces

Rosenberg, Merilin; Vilja, Heiki; Kahru, Anne; Keevil, William; Ivask, Angela Scientific reports 2018 / art. 8172, 8 p. : ill

<https://doi.org/10.1038/s41598-018-26391-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rasvumine tõstab oluliselt haiguste tekkimise riski

Liebert, Tiit Tervisemeeter 2022 / Lk. 4-5 https://www.ester.ee/record=b5295006*est

Recombinant luminescent bacterial sensors for the measurement of bioavailability of cadmium and lead in soils polluted by metal smelters

Ivask, Angela; Francois, Matthieu; Kahru, Anne; Dubourguier, Henri-Charles; Virta, Marko; Douay, Francis Chemosphere 2004 / 2, p. 147-156 <https://www.sciencedirect.com/science/article/pii/S0045653503010804>

Red-brown pigmentation of acidipropionibacterium jensenii is tied to haemolytic activity and cyl-Like gene cluster

Smolander, Olli-Pekka; Deptula, Paulina; Loivamaa, Iida; Laine, Pia; Roberts, Richard J.; Piironen, Vieno; Paulin, Lars; Savijoki, Kirsi; Auvinen, Petri; Varmanen, Pekka Microorganisms 2019 / p. 15 p. : ill <https://doi.org/10.3390/microorganisms7110512> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Redox-specialized bacterioplankton metacommunity in a temperate estuary

Laas, Peeter; Simm, Jaak; Lips, Inga; Lips, Urmas; Kisand, Veljo; Metsis, Madis PLoS ONE 2015 / art. e0122304

<https://doi.org/10.1371/journal.pone.0122304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reostatud pinnase suhtelise toksilisuse määramine fotobakteritestidega

Reiman, Rain; Kahru, Anne; Põllumaa, Lee; Meriste, T. Eesti Mikrobioloogide Ühenduse konverents : 12.05.2000, Tartu = Conference of the Estonian Society for Microbiology : 12.05.2000, Tartu 2000 / l. 14

Rhizosphere metagenomics of Paspalum scrobiculatum L. (kodo millet) reveals rhizobiome multifunctionalities

Prabha, Ratna; Singh, Dhananjaya P.; Gupta, Shailendra; Gupta, Vijai Kumar; El-Enshasy, Hesham A.; Verma, Mukesh K.

Microorganisms 2019 / art. 608, 21 p. : ill <https://doi.org/10.3390/microorganisms7120608> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rickettsia spp. in rodent-attached ticks in Estonia and first evidence of spotted fever group Rickettsia species

Candidatus Rickettsia uralica in Europe

Vikentjeva, Maria; Geller, Julia; Remm, Jaanus; Golovljova, Irina Parasites and vectors 2021 / art. 65., 9 p. : ill

<https://doi.org/10.1186/s13071-020-04564-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Role of bacterial-fungal consortium for enhancement in the degradation of industrial dyes

Mawad, Asmaa M.M.; Hesham, Abd El-Latif; Yousef, Naiema M.H.; Shoreit, Ahmed Abdelfattah Mohamed; **Gathergood, Nicholas; Gupta, Vijai Kumar** Current genomics 2020 / p. 283 - 294 <https://doi.org/10.2174/1389202921999200505082901> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Role of DmpR-mediated regulatory circuit in bacteria biodegradation rates and survival in methylphenol amended soils
Sarand, Inga; Skärfstad, E.; Forsman, M.; Romantschuk, M.; Shingler, V. Applied and environmental microbiology 2001 / 1, p. 162-171 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC92538/>

Sanitary-indicator bacterial analysis

Saava, Astrid Meri: report series of the Finnish Institute of Marine Research 1980 / p. 68-78 https://www.ester.ee/record=b1717624*est

Seasonal dynamics of bacterial composition and functions in biological treatment of coking wastewater

Tan, Zhijie; Chen, Wenli; Guo, Ziyu; Xu, Xingyuan; Xie, Juntong; Dai, Jiangpeng; Lin, Yuexia; Sheng, Binbin; **Preis, Sergei**; Wei, Chaohai; Zhu, Shuang Applied microbiology and biotechnology 2024 / art. 490 <https://doi.org/10.1007/s00253-024-13274-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Seedimiskirius mõjutab inimese soolebaktereid

Adamberg, Signe; Adamberg, Kaarel Äripäev 2019 / Terviseuudised, lk. 7

Seened liha asemel ehk kuidas vähem tootes võiks 11 miljardit inimest ära toita? [Võrguväljaanne]

postimees.ee 2022 ["Seened liha asemel ehk kuidas vähem tootes võiks 11 miljardit inimest ära toita?"](#)

Sergei Preis: Seine'i jõe reostuse kohta on üks hea ja üks halb uudis

Preis, Sergei forte.delfi.ee 2024 [Sergei Preis: Seine'i jõe reostuse kohta on üks hea ja üks halb uudis](#)

Silver–chitosan nanocomposites for biomedical application : design, synthesis and antimicrobial efficiency

Kasemets, Kaja; Laanoja, Jüri; Sihtmäe, Mariliis; Vija, Heiki; Kurvet, Imbi; Otsus, Maarja; Kahru, Anne International Conference EcoBalt 2023 "Chemicals&Environment" 2023 / 2 p. <https://doi.org/10.3390/proceedings2023092040>

Simultaneous nitrite and ammonium production in an autotrophic partial denitrification and ammonification of wastewaters containing thiocyanate

Pan, Jianxin; Wei, Chaohai; Fu, Bingbing; Ma, Jingde; **Preis, Sergei**; Wu, Haizhen; Zhu, Shuang Bioresource technology 2018 / p. 20-27 : ill <https://doi.org/10.1016/j.biortech.2017.12.059>

Single bioreactor gastrointestinal tract simulator for study of survival of probiotic bacteria

Sumeri, Ingrid 3rd International Probiotic Conference : High Tatras, Slovakia, June 4-7, 2008 : abstract book 2008 / p. 21S https://www.researchgate.net/publication/5275329_Single_bioreactor_gastrointestinal_tract_simulator_for_study_of_survival_of_probiotic_bacteria

Single bioreactor gastrointestinal tract simulator for study of survival of probiotic bacteria

Sumeri, Ingrid; Arike, Liisa; Adamberg, Kaarel; Paalme, Toomas Applied microbiology and biotechnology 2008 / 2, p. 317-324 <https://pubmed.ncbi.nlm.nih.gov/18581109/>

Soolestiku limakiht aitab hoida soolebakterite tasakaalu

novaator.err.ee 2024 [Soolestiku limakiht aitab hoida soolebakterite tasakaalu](#) <https://doi.org/10.1016/j.isci.2024.110093>

Structure and function of microbial community associated with phenol co-substrate in degradation of benzo[a]pyrene in coking wastewater

Wu, Haizhen; Wang, Ming; Zhu, Shuang; **Preis, Sergei** Chemosphere 2019 / p. 128-138 : ill <https://doi.org/10.1016/j.chemosphere.2019.04.117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of Cells in the Steady State Growth Space : chapter 9

Erm, Sten; Abner, Kristo; Seiman, Andrus; Adamberg, Kaarel; Vilu, Raivo Continuous biomanufacturing I innovative technologies and methods : innovative technologies and methods 2017 / p. 233-258 <https://doi.org/10.1002/9783527699902.ch9>

Study of the development of bacterial resistance to silver-chitosan nanocomposites and cross-resistance to common antibiotics

Sihtmäe, Mariliis; Laanoja, Jüri; Otsus, Maarja; Kahru, Anne; **Kasemets, Kaja** (E-MRS) European Materials Research Society 2023 Spring Meeting : 40th Anniversary 2023 / art. 01914 <https://www.european-mrs.com/meetings/archives/2023/2023-spring-meeting>

Study of the growth of bacteria in solid state matrices and (opaque) liquid media using micro-calorimetry

Kabanova, Natalja; Kriščiunaite, Tiina; Stulova, Irina; Laht, Tiit-Maie; Vilu, Raivo Food and nutrition = Toit ja toitumine. XVII : book of abstracts : the 5th Baltic Conference on Food Science and Technology : Foodbalt-2010 2010 / p. 94

Study of toxicity of pesticides using luminescent bacteria Photobacterium phosphoreum

Kahru, Anne; Tomson, Katrin; Pall, T.; Külm, I. Water science and technology 1996 / 6, p. 147-154

Sulfurimonas subgroup GD17 cells accumulate polyphosphate under fluctuating redox conditions in the Baltic Sea : possible implications for their ecology

Möller, Lars; **Laas, Peeter**; Rogge, Andreas; Goetz, Florian The ISME journal 2019 / p. 482–493 : ill <https://doi.org/10.1038/s41396-018-0267-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sulphur isotope composition of dissolved sulphate in the Cambrian–Vendian aquifer system in the northern part of the Baltic Artesian Basin

Raidla, Valle; Kirsimäe, Kalle; **Ivask, Jüri**; **Kaup, Enn**; Knöller, Kay; Marandi, Andres; **Martma, Tõnu**; **Vaikmäe, Rein** Chemical geology 2014 / p. 147–154 : ill <https://doi.org/10.1016/j.chemgeo.2014.06.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Survival of probiotic bacteria in Human Gastrointestinal Tract Simulator (GITS) : [abstract]

Paalme, Toomas Ninth Annual ScanBalt Forum "Healthy future" : September 22–24, 2010 : Tallinn, Estonia 2010 / p. 67

Symbiotic virus-bacteria interactions in biological treatment of coking wastewater manipulating bacterial physiological activities

Zhu, Shuang; Tan, Zhijie; Guo, Ziyu; Zheng, Huijian; Zhang, Baoshan; Qin, Zhi; Xie, Juntong; Lin, Yuexia; Sheng, Binbin; Qiu, Guanglei; **Preis, Sergei**; Wei, Chaohai Water research 2024 / art. 121741 <https://doi.org/10.1016/j.watres.2024.121741>

Synthesis and antibacterial efficiency of chitosan–copper oxide nanocomposites

Laanoja, Jüri; **Sihtmäe, Mariliis**; **Otsus, Maarja**; **Kahru, Anne**; **Kasemets, Kaja** International Conference EcoBalt 2023 "Chemicals&Environment" 2023 / 2 p. <https://doi.org/10.3390/proceedings2023092035>

Tarbijani jõuavad kasulike bakteritega kohukesed : [juulist TTÜ keemiainstituudi juures tegutsevast toidu- ja fermentatsioonitehnoloogia arenduskeskusest (TFTAK)]

Sildvee, Reimo Eesti Päevaleht 2004 / 4. nov., lk. 14 : fot <https://arileht.delfi.ee/artikkel/50996596/tarbijani-jouavad-kasulike-bakteritega-kohukesed>

Teeleht võib aidata ravida kroonilist puukborrelioosi

novaator.err.ee 2025 <https://novaator.err.ee/1609629857/teeleht-voib-aidata-ravida-kroonilist-puukborrelioosi>

The complex microbiome from native semen to embryo culture environment in human in vitro fertilization procedure

Štšepetova, Jelena; Baranova, Juliana; **Simm, Jaak**; Parm, Ülle Reproductive biology and endocrinology 2020 / art. 3, 13 p. : ill <https://doi.org/10.1186/s12958-019-0562-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of milk heat treatment on the growth characteristics of lactic acid bacteria

Stulova, Irina; **Kabanova, Natalja**; **Kriščunaite, Tiina**; **Laht, Tiit-Maie**; **Vilu, Raivo** Agronomy research 2011 / p. 473–478 : ill

The Nitrogen-Cycling Network of Bacterial Symbionts in the Sponge Spheciospongia vesparium

He, Liming; **Karlep, Liisi**; Li, Zhiyong The Journal of Ocean University of China 2021 / p. 999–1012 <https://doi.org/10.1007/s11802-021-4530-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The study of probiotic bacteria in human gastrointestinal tract simulator = Probiotilised bakterid inimese seedetrakti simulaatoris

Sumeri, Ingrid 2011

Toiduteadur: poes käies mõtle ka sellele, mida headele bakteritele süüa osta

Gil, Kaia postimees.ee 2023 [Toiduteadur: poes käies mõtle ka sellele, mida headele bakteritele süüa osta](#)

Toxicity of phenolic wastewater to luminescent bacteria Photobacterium phosphoreum and activated sludges

Kahru, Anne; **Kurvet, Madis**; **Külm, I.** Water science and technology 1996 / 6, p. 139–146

Toxicological effects of 24 L-Phenylalanine derived ionic liquids against marine and clinically relevant bacteria

Kusumahastuti, Dewi Kurnianingsih Arum; **Sihtmäe, Mariliis**; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; **Kahru, Anne** 8th IUPAC International Conference of Green Chemistry : Shangri-La Hotel, Bangkok, Thailand, 9–14 Sept 2018 : poster presentation abstracts 2018 / p. 13 http://www.greeniupac2018.com/download/8th%20IUPAC%20ICGC%202018_Program%20&%20Abstract%20Book_Poster%20Abstract.pdf

Toxicological profiling of copper oxide and silver nanoparticles and polyoxometalate ionic liquids with medically relevant bacteria and mammalian cells in vitro = Vaskoksiidi ja hõbeda nanoosakeste ning polüoksometalaat-ioonvedelike toksilisuse uuringud meditsiiniliselt oluliste bakterite ja imetajarakkudega in vitro

Kubo, Anna-Liisa 2019 <https://digi.lib.ttu.ee/i/?12073>

TTÜ labor paneb bakteri äri heaks tööle : [prof. Madis Metsise uurimistööst]

Reimer, Andres Eesti Päevaleht 2012 / lk. 10 <https://arileht.delfi.ee/artikkel/64324771/ttu-labor-paneb-bakteri-ari-heaks-toole>

Tudengite idufirma pakub posti teel ja väljaheiteproovi alusel toidusoovitusi : [TTÜ tudengifirma Flick Diet]
Must, Merle Eesti Päevaleht 2013 / lk. 5

Tugev immuunvastus enteroviirusele võib aidata vältida südamehaigusi [Võrguväljaanne]
Harrik, Airika novaator.err.ee 2022 "[Tugev immuunvastus enteroviirusele võib aidata vältida südamehaigusi](#)"

UPLC/MS based method for quantitative determination of fatty acid composition in Gram-negative and Gram-positive bacteria
Špitsmeister, Merli; **Adamberg, Kaarel; Vilu, Raivo** Journal of microbiological methods 2010 / p. 288-295
<https://www.sciencedirect.com/science/article/pii/S016770121000237X>

Use of luminescent bacteria in toxicity testing
Kahru, Anne Biobalt'92 : Biotechnology in Estonia, Latvia and Lithuania : Tallinn, November 1992 : conference abstracts 1992 / p. 33

Use of slow dilution rate changes in the study of bacterial growth characteristics
Vilu, Raivo; Paalme, Toomas International Symposium on Bioreactor Performance, 15-17 March, 1993, Helsingor, Denmark : proceedings 1993 / p. 121-129

Uudsed pinnakatted puhastavad õhu kahjulikest viirustest ja bakteritest [Võrguväljaanne]
digi.geenius.ee 2021 "[Uudsed pinnakatted puhastavad õhu kahjulikest viirustest ja bakteritest](#)"

Validation of critical factors for the quantitative characterization of bacterial physiology in accelerostat cultures = Kriitiliste faktorite valideerimine bakterite füsioloogia uurimiseks akselerostaates kultiveerimiseksperimentides
Nahku, Ranno 2012

Vaskplekk kui imerohi koroona leviku vastu? Ärimehed müüvad tarbetut kaitset kõrge hinnaga
Jürisoo, Lauri; Kreek, Romet Eesti Päevaleht 2020 / Lk. 10 : fot <https://dea.digar.ee/article/eestipaevaleht/2020/11/04/10.3>

Virus-bacterium interaction involved in element cycles in biological treatment of coking wastewater
Tan, Zhijie; Chen, Wenli; Wei, Xinyi; Qiu, Zhaoji; Zhuang, Weixiong; Zhang, Baoshan; Xie, Junting; Lin, Yuexia; Ren, Yuan; **Preis, Sergei**; Wei, Chaohai; Zhu, Shuang Bioresource technology 2025 / art. 131839 <https://doi.org/10.1016/j.biortech.2024.131839>

Võitlus vähkitekitava bakteri vastu on arvatust raskem [Võrguväljaanne]
Roots, Kaisa novaator.err.ee 2021 "[Võitlus vähkitekitava bakteri vastu on arvatust raskem](#)"

Ökomajad maitsevad kahjuritele - teadustöö pakub nende eest kaitseks umbrohtu [Võrguväljaanne]
postimees.ee 2022 "[Ökomajad maitsevad kahjuritele - teadustöö pakub nende eest kaitseks umbrohtu](#)"

Биосинтез циклодекстринглюканотрансферазы при культивировании Bacillus macerans на различных питательных средах
Peipman, Elsa; Vanatalu, Kalju; Kirme, M. Tallinna Tehnikaülikooli Toimetised 1991 / lk. 58-68: ill

Изучение влияния иммобилизации на аспартазную активность пропионовокислых бактерий и ESCHERICHIA COLI : автореферат ... кандидата биологических наук (03.00.23)
Kalda, Astrid 1984 https://www.ester.ee/record=b1538115*est

Изучение иммобилизованной при помощи моноклональных антител циклодекстринглюканотрансферазы (ЦГТ-азы) Bacillus macerans микрометод для определения ЦГТ-азной активности
Arbatova, Jelena; Reeben, M. Tallinna Tehnikaülikooli Toimetised 1991 / lk. 40-48: ill

Иммобилизация клеток микроорганизмов с аспартазной активностью. Сообщение I, Изучение влияния иммобилизации на аспартазную активность и жизнеспособность пропионовокислых бактерий
Kalda, Astrid; Vorobjova, L.I.; Köstner, Ado, juhendaja Получение и свойства иммобилизованных ферментов 1980 / с. 63-74 : илл https://www.ester.ee/record=b1344307*est <https://digikogu.taltech.ee/et/Item/941191f5-8e17-4867-a354-18ae209ca577>

Моноклональные антитела к циклодекстринглюканотрансферазе Bacillus macerans
Arbatova, Jelena; Резбен, М.; **Köstner, Ado** Экспериментальная биология 1990 / 2, с. 10

О бактериальной загрязненности и самоочищения водных рек
Leesment, Liidia; Murakas, H.; Rohusaar, Laas; Saava, Astrid Биофизические аспекты загрязнения биосферы : симпозиум 5-8 июня 1973 г. : тезисы докладов 1973 / с. 82-83 https://www.ester.ee/record=b3772221*est

О бактериальной загрязненности рек и их способности самоочищения (на примере Эстонской ССР)

Leesment, Liidia; Murakas, H.; Rohusaar, Laas; Saava, Astrid Материалы IV Всесоюзного симпозиума по современным проблемам самоочищения и регулирования качества воды, Таллин, 2-5 октября 1972 г. Секция 2, Химико-биологические аспекты самоочищения рек и водоемов 1972 / с. 50-57 : таб https://www.ester.ee/record=b1326709*est

О скорости отмирания бактерий в малых равнинных реках (на примере Эстонской ССР)

Saava, Astrid; Leesment, Liidia Материалы V Всесоюзного научного симпозиума по современным проблемам самоочищения и регулирования качества воды, Таллин, 18-21 ноября 1975 г. II секция, Санитарно-биологические аспекты качества воды водоемов и водотоков 1975 / с. 176-177 https://www.ester.ee/record=b1327830*est

Подбор условий культивирования штаммов *Bacillus macerans* - продуцентов циклодекстринглюканотрансферазы

Peipman, Elsa; Vokk, Raivo II конференция молодых ученых химических факультетов РПИ и ЛГУ : тезисы докладов 1987 / с. 40 https://www.ester.ee/record=b2142137*est

Фаг кишечной палочки в качестве трейсера и модели для изучения выживаемости вирусов в реках

Leesment, Liidia Материалы V Всесоюзного научного симпозиума по современным проблемам самоочищения и регулирования качества воды, Таллин, 18-21 ноября 1975 г. Секция 4, Часть 2, Регулирование качества воды 1975 / с. 166-171 : илл., таб https://www.ester.ee/record=b1327854*est

Эстонские ученые открыли, что может защитить людей от сердечных заболеваний [Online resource]

rus.postimees.ee 2022 ["Эстонские ученые открыли, что может защитить людей от сердечных заболеваний"](#)

Эстонские ученые: торговые суда завозят в местные порты опасные бактерии [Online resource]

Satsuta, Ivan rus.err.ee 2021 ["Эстонские ученые: торговые суда завозят в местные порты опасные бактерии 2](#)