

Activated sludge process coupled with intermittent ozonation for sludge yield reduction and effluent water quality control
Järvik, Oliver; Viirja, 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

Žalnieravičius, Rokas; Pakštas, Vidas; Grincienė, Giedrė; Klimas, Vaclovas; Paškevičius, Algimantas; Timmo, Kristi; Kauk-Kuusik, Marit; Franckevičius, Marius; Niaura, Gediminas; Talaikis, Martynas; Jagminas, Arūnas; Ramanavičius, Arūnas Colloids and Surfaces B: Biointerfaces 2023 / art. 113275 <https://doi.org/10.1016/j.colsurfb.2023.113275>

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

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

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

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

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>

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, Viuu; **Juhkam, Jelena; Vilu, Raivo** Thermochemica 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
<https://doi.org/10.1016/j.anaerobe.2022.102680>

Development and production of extruded food and feed products containing probiotic microorganisms = Probiootilisi 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>

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](#)

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>

Ecological aspect of antibiotic batumin synthesis by pseudomonas batumici

Klochko, V. V.; **Lipova, Inna**; Chuiko, N. V.; Avdeeva, L. V. Mikrobiolohichnyi Zhurnal 2021 / p. 14-23
<https://doi.org/10.15407/microbiolj83.03.014>

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

Adamberg, Kaarel; **Adamberg, Signe** heureka.postimees.ee 2019 / fot [Eesti teadlased: inimene saab oma soolebaktereid otseselt mõjutada](#) <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

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/s40168-020-00905-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**; Viiard, 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_Abstacts.pdf

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

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

Fotosünteesiva bakteri Chlorobium thiosulfatophilum CO₂ fikseerimisreaktsioonide kvantitatiivsed mustrid heterotroofsetes kasvutingimustes

Abner, Kristo; Paalme, Toomas; Vilu, Raivo XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 12-13

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

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

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

Horizontal 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, Pratishtha; 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](#)

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

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

KURI HELIKOBakter: suudab tekitada põletikku, aga ka vähki

Maasikamäe, Sirje Õhtuleht 2021 / Lk. 14 : fot <https://dea.digar.ee/article/ohutuleht/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 <http://dx.doi.org/10.1371/journal.pone.0144042>

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

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](#)

Moodsad veefiltrid kasvatavad baktereid

Kivistu, Kerli; **Künnis-Beres, Kai** Postimees 2016 / lk. 6-7

Mustamäe toidurevolutsioon – Eesti teadlased valmistuvad maailma vallutamiseks [Võrguväljaanne]

turundajaliit.ee 2022 "[Mustamäe toidurevolutsioon – Eesti teadlased valmistuvad maailma vallutamiseks](#)"

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>

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

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/>

Radiotaajuise säteilyn vaikutus hiivasienten, homeiden ja mikrobien kasvuun

Ahonen, Mikko; Lehto, Timo; **Koppel, Tarmo** Sisäilmastoseminaari 2019 : 14.3.2019 2019 / p. 375–380 https://www.sisailmauutiset.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

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](#)

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](#)

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

Seedimiskiirus 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?](#)"

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>

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 | 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.dropbox.com/s/w8prtknkt2ekutr/SPRING%2023%20-%20Conference%20program.pdf?dl=0>

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

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>

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; Kriščiunaite, 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 = Probiootilised 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"](#)

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

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 akselerostaatsetes 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>

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

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](#)