Active chitosan–chestnut extract films used for packaging and storage of fresh pasta
Kõrge, Kristi; Bajić, Marijan; Likozar, Blaž; Novak, Uroš International Journal of Food Science and Technology 2020 / p. 3043 - 3052 https://doi.org/10.1111/ijfs.14569 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 of L-Phenylalanine derived ionic liquids [Online resource]
Kusumahastuti, Dewi Kurnianingsih Arum; **Sihtmäe, Mariliis**; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Kahru, Anne Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Antibacterial activity of positively and negatively charged hematite (α-fe2 o3) 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 Properties of Heteronium Lignin Containing Materials Against ESKAPE Pathogens
Mohan, Mahendra Kothottil; **Bragina, Olga**; **Mosjakina, Sofija**; **Raimundo, Jean-Manuel**; **Karpichev, Yevgen** ChemRxiv 2025 https://doi.org/10.26434/chemrxiv-2025-zmlgw-v2

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 and antioxidative properties of kitchen herbs
Vokk, Raivo; **Loomägi, Tiiu** Proceedings of the LUA. B, Technical sciences 1997 / 12 (289), p. 94-96

Antimicrobial and antioxidative properties of kitchen herbs
Vokk, Raivo; **Loomägi, Tiiu** World Congress on Food Hygiene, August 24-29, 1997, The Hague, Netherlands : proceedings 1997 / p. 246

The antimicrobial effect of three different chemicals for the treatment of straw bales used in housing projects
Raamets, Jane; **Kutti, Sander**; **Vettik, A.**; **Ilustrumm, Kaarel**; **Rist, T.**; **Ivask, Mari** Sustainable Housing 2016 : International Conference on Sustainable Housing Planning, Management and Usability : book of abstracts : Porto, Portugal, 16-18 November 2016 / p. 74

The antimicrobial effect of three different chemicals for the treatment of straw bales used in housing projects
Raamets, Jane; **Kutti, Sander**; **Vettik, A.**; **Ilustrumm, Kaarel**; **Rist, T.**; **Ivask, Mari** Sustainable Housing 2016 : proceedings of the International Conference on Sustainable Housing Planning, Management and Usability : Porto, Portugal, 16-18 November 2016 / p. 537-545

Biosafe sustainable antimicrobial encapsulation and coatings for targeted treatment and infections prevention: Preparation for another pandemic
Usmani, Zeba; **Lukk, Tiit**; Mohanachandran, Dileep Kumar Current Research in Green and Sustainable Chemistry 2021 / art. 100074 https://doi.org/10.1016/j.crgsc.2021.100074 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Carbon aerogel-cellulose films and fibres with electrical conductivity and antibacterial properties against cyanobacteria
Elhi, Fred; Kisand, Veljo; Peikolainen, Anna-Liisa; **Koel, Mihkel**; Aabloo, Alvo 3rd Seminar on Aerogels : Synthesis-Properties-Applications : 22-23 September 2016, Mines ParisTech - PSL Research University, Sophia Antipolis (France) : proceedings 2016 / p. 180

Caseins from bovine colostrum strongly bind piscidin-1
Kütt, Mary-Liis; **Paalme, Toomas**; Stagsted, Jan TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Chitosan-copper oxide nanocomposites : synthesis, antibacterial efficacy, and cytotoxicity
Laanoja, Jüri; Sihtmäe, Mariliis; Otsus, Maarja; Kasemets, Kaja; Kahru, Anne 2025 IEEE 15th International Conference "Nanomaterials: Applications & Properties" : Abstract Book 2025 2025 / p. 464 https://ieeenap.org/data/Book_of_Abstracts_2025.pdf

Commercial peppermint (Mentha x piperita L.) teas : antichlamydial effect and polyphenolic composition
Kapp, Karmen; Hakala, Elina; **Orav, Anne** Food research international 2013 / p. 758-766 : ill

https://www.sciencedirect.com/science/article/abs/pii/S0963996913001087 https://doi.org/10.1016/j.foodres.2013.02.015 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A comprehensive review on biological properties of citrinin
Oliveira Filho, José Williams Gomes de; Islam, Muhammad Torequl; Ali, Eunus S.; Uddin, Shaikh Jamal; de Oliveira Santos, Jose Victor; Oliveira Barros de Alencar, Marcus Vinícius; Gomes, Antonio Luiz, Júnior; Paz, Márcia Fernanda Correia Jardim; Dos Remédios Mendes De Brito, Maria; Gupta, Vijai Kumar Food and chemical toxicology 2017 / p. 130-141 : ill
https://doi.org/10.1016/j.fct.2017.10.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination and production of antimicrobial compounds by Aspergillus clavatonanicus strain MJ31, an endophytic fungus from Mirabilis jalapa L. using UPLC-ESI-MS/MS and TD-GC-MS analysis
Mishra, Vineet Kumar; Passari, Ajit Kumar; Chandra, Preeti; Leo, Vincent Vineeth; Kumar, Brijesh; Uthandi, Sivakumar; Thankappan, Sugitha; **Gupta, Vijai Kumar**; Singh, Bhim Pratap PLoS ONE 2017 / art. e0186234, 24 p. https://doi.org/10.1371/journal.pone.0186234 https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0268371 https://www.scopus.com/record/display.uri?eid=2-s2.0-85131462947&origin=inward&txGid=09dcb2e6296ce2f331ac4a8a8f9cf8d6 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Doktoritöö uurib, kuidas kaitsta ökomaju kahjurite eest
Mente et Manu 2022 / lk. 44 : fot https://www.ester.ee/record=b1242496*est

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

(Eco)toxicological and Antibacterial Effects of 24 L-Phenylalanine Derived Ionic Liquids against Marine and Clinically Relevant Bacteria
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; **Kapitanov, Illia**; **Karpichev, Yevgen**; Kahru, Anne; Gathergood, Nicholas IUPAC Postgraduate Summer School on Green Chemistry : 7-13 July 2018, Venice - Italy : book of abstracts 2018 / p. 74
https://www.unive.it/pag/fileadmin/user_upload/extra/SSGC/documenti/Book_of_abstracts_per_website_23_July.pdf

Ecotoxicological profiling and antibacterial potency of a series of 24 L-phenylalanine based SAILs = 24 L-fenüülalaniini-põhise ioonvedeliku ökotoksikoloogiline ja antibakteriaalne iseloomustamine
Kusumahastuti, Dewi Kurnianingsih Arum 2021 https://doi.org/10.23658/tallinn.30/2021 https://www.ester.ee/record=b5436547*est https://digikogu.taltech.ee/et/Item/bae0391e-b57c-476d-acda-6cd147ee55d0

Efficient defect-driven cation exchange beyond the nanoscale semiconductors toward antibacterial functionalization
Polivtseva, Svetlana; **Volobujeva, Olga**; **Kuznietsov, Ivan**; **Kaupmees, Reelika**; **Danilson, Mati**; **Krustok, Jüri**; Molaiyan, Palanivel; Hu, Tao; Lassi, Ulla; **Klopov, Mihhail**; van Gog, Heleen; van Huis, Marijn A.; Kaur, Harleen; Ivask, Angela; Rosenberg, Merilin; Gathergood, Nicholas; Ni, Chaoying; **Grossberg-Kuusk, Maarja** ACS applied materials & interfaces 2024 / p. 62871-62882
https://doi.org/10.1021/acsami.4c11425 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estonian honey as an anti-Borrelia agent
Laanet, Pille-Riin; **Jõul, Piia**; **Saar-Reismaa, Piret**; **Bragina, Olga**; **Vaher, Merike** 17th International Scientific Conference "The Vital Nature Sign" : abstract book 2023 / p. 56 https://portalcris.vdu.lt/server/api/core/bitstreams/a4a6a213-9383-4153-9beb-4d13026e58e5/content

Green profiling of aprotic versus protic ionic liquids : synthesis and microbial toxicity of analogous structures
Reid, Joshua E.S.J.; Prydderch, Hannah; Spulak, Marcel; Shimizu, Seishi; Walker, Adam J.; **Gathergood, Nicholas** Sustainable Chemistry and Pharmacy 2018 / p. 17-26 https://doi.org/10.1016/j.scp.2017.11.001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Identification and characterization of bioactive peptides with antimicrobial and immunoregulating properties derived from bovine colostrum and milk = Antimikroobsete ja immuunsüsteemi stimuleerivate omadustega bioaktiivsete peptiidide identifitseerimine ja karakteriseerimine lehma piimast ja kolostrumist
Kütt, Mary-Liis 2015 https://www.ester.ee/record=b4461995*est

Investigation of the antimicrobial effect of rowanberries
Kann, Aino; **Täht, Riina** Food and nutrition = Toit ja toitumine 2000 / p. 49-54 : ill

Lignin valorization via chloromethylation as a versatile approach towards sustainable materials
Mohan, Mahendra Kothottil; **Karpichev, Yevgen** Baltic Polymer Symposium 2025 : 23d International Scientific Conference BPS 2025“Baltic Polymer Symposium 2025” : Book of abstracts 2025 / p. 38 http://woodval.taltech.ee/wp-content/uploads/2025/07/BPS2025-Book-of-abstracts.pdf

Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: A comparative review
Ivask, Angela; **Juganson, Katre**; Bondarenko, Olesja; Mortimer, Monika; Aruoja, Villem; Kasemets, Kaja; Blinova, Irina; Heinlaan,

Margit; Slaveykova, Vera; Kahru, Anne Nanotoxicology 2014 / p. 57-71 : ill https://doi.org/10.3109/17435390.2013.855831 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microbial interactions with inanimate solid surfaces : a methodological approach = Mikroobide interaktsioonid tahkete eluta pindadega : metoodiline käsitlus
Rosenberg, Merilin 2022 https://doi.org/10.23658/taltech.6/2022 https://digikogu.taltech.ee/et/Item/ae0fc64d-c7bf-46e9-bc65-85342787a8cb https://www.ester.ee/record=b5491623*est

A new class of prophylactic metallo-antibiotic possessing potent anti-cancer and anti-microbial properties
Ude, Ziga; Kavanagh, Kevin; Twamley, Brendan; Pour, Milan; **Gathergood, Nicholas**; Kellett, Andrew; Marmion, Celine J. Dalton Transactions 2019 / p. 8578 - 8593 https://doi.org/10.1039/c9dt00250b Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimisation of plant mediated synthesis of silver nanoparticles by common weed Plantago major and their antimicrobial properties
Küünal, Siim; Visnapuu, Meeri; **Volobujeva, Olga**; Soares Rosario, Maria; **Rauwel, Protima**; **Rauwel, Erwan** IOP Conference Series : Materials Science and Engineering 2019 / art. 012003 https://doi.org/10.1088/1757-899X/613/1/012003 Conference proceedings at Scopus Article at Scopus Article at WOS

Photocatalytic and antibacterial activity of nano zinc oxide/silver composite nanoparticle covered surfaces [Online resource]
Visnapuu, Meeri; **Rosenberg, Merilin**; **Truska, Egle**; Kisand, Vambola; Ivask, Angela International Conference "Functional Materials and Nanotechnologies 2017" : Tartu, Estonia in April, 24-27, 2017 : book of abstracts 2017 / p. 143 http://www.ester.ee/record=b4668793*est

Photocatalytic antibacterial activity of nano-TiO2 (anatase)-based thin films : effects on Escherichia coli cells and fatty acids
Joost, Urmas; **Juganson, Katre**; Visnapuu, Meeri; Mortimer, Monika; Kahru, Anne; Nõmmiste, Ergo; Joost, Urmeli; Kisand, Vambola; Ivask, Angela Journal of photochemistry and photobiology B : biology 2015 / p. 178-185 : ill https://doi.org/10.1016/j.jphotobiol.2014.12.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Photoredox-catalyzed direct C–H monofluoromethylation of heteroarenes
Ramkumar, Nagarajan; Plantus, Ketrina; Ozola, Melita; Mishnev, Anatoly; Nikolajeva, Vizma; Senkovs, Maris; **Ošeka, Maksim**; Veliks, Janis New journal of chemistry 2023 / p. 20642-20652 https://doi.org/10.1039/D3NJ04313D Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Pihlakamahla antimikroobse toime uurimine
Kann, Aino; **Täht, Riina** Eesti Rohuteadlane 1995 / 3, lk. 99-100: ill

Plant material with antimicrobial and anti-oxidative activities
Vokk, Raivo; **Lõugas, Tiina**; **Laos, Katrin**; Kravets, Marina FOODBALT-2012 : 7th Baltic Conference on Food Science and Technology "Innovative and Healthy Food for Consumers", May 17-18, 2012 : abstracts 2012 / p. 151

Plant mediated synthesis of silver-based nanoparticles and their use as antimicrobial agent in environmentally-friendly applications = Taime ekstrakti abil sünteesitud hõbedal põhinevad nanoosakesed ning nende kasutus antimikroobse vahendina keskkonnasõbralikes rakendustes
Küünal, Siim 2022 https://doi.org/10.23658/taltech.2/2022 https://digikogu.taltech.ee/et/Item/c3a53dca-9a76-4356-810f-2d51e44cdbc5 https://www.ester.ee/record=b5492124*est

Polyphenolic composition and antichlamydial effect of commercial peppermint (Mentha x piperita L.) teas
Kapp, Karmen; Hakala, Elina; Püssa, Tõnu; **Orav, Anne**; Raal, Ain; Hanski, L. Planta medica 2013 / p. 1224

Preparation and characterization of photocatalytically active antibacterial surfaces covered with acrylic matrix embedded nano-ZnO and nano-ZnO/Ag
Rosenberg, Merilin; Visnapuu, Meeri; Saal, Kristjan; Danilian, Dmytro; Pärna, Rainer; Ivask, Angela; Kisand, Vambola Nanomaterials 2021 / art. 3384 https://doi.org/10.3390/nano11123384 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Selective antibiofilm properties and biocompatibility of nano-ZnO and nano-ZnO/Ag coated surfaces
Rosenberg, Merilin; Visnapuu, Meeri; Vija, Heiki Scientific reports 2020 / art. 13478, 15 p. : ill https://doi.org/10.1038/s41598-020-70169-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synergistic antibacterial effect of copper and silver nanoparticles and their mechanism of action
Vasiliev, Grigory; Kubo, Anna-Liisa; Vija, Heiki; Kahru, Anne; **Bondar, Denys**; **Karpichev, Yevgen**; Bondarenko, Olesja Scientific reports 2023 / art. 9202, 15 p. : ill https://doi.org/10.1038/s41598-023-36460-2 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synergistic mechanisms and toxicity profiles of silver and copper nanoparticles for the development of novel antimicrobial materials = Vase ja hõbeda nanoosakeste sünergilise koosmõju mehhanismid ja rakendamine uute antimikroobsete materjalide arendamiseks
Vasiliev, Grigory 2023 https://doi.org/10.23658/taltech.28/2023 https://digikogu.taltech.ee/et/Item/50c08f30-1077-456a-8e2b-c9f43447d616 https://www.ester.ee/record=b5568720*est

Synthesis and antibacterial properties of lignin-based quaternary ammonium and phosphonium salts
Mohan, Mahendra Kothottil; Kaur, Harleen; **Duvanova, Ella**; Rosenberg, Merilin; Dahlem, Marcos; Ivask, Angela; Raimundo, Jean-Manuel; **Lukk, Tiit**; **Karpichev, Yevgen** International Conference EcoBalt 2023 "Chemicals&Environment" 2023 / 2 p. https://doi.org/10.3390/proceedings2023092058

Synthesis and antimicrobial activity profiling of library of L-Phenylalanine derived ionic liquids
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; **Kapitanov, Illia**; **Karpichev, Yevgen**; **Gathergood, Nicholas**; Kahru, Anne Encountering global challenges through innovation on science, technology, engineering, and mathematics (STEM), and education 2017 / p. 142 http://fmipa.undiksha.ac.id/iconmns2017/files/confbookiconmns17.pdf

Synthesis and characterization of synergically acting antifungal silver-chitosan nanocomposites for biomedical applications
Kaarma, Laura; Kahru, Anne; Kasemets, Kaja Toxicology Letters 2025 / P22-04 ; p. S269-S270 https://doi.org/10.1016/j.toxlet.2025.07.634

Synthesis and synergistic antibacterial efficiency of chitosan-copper oxide nanocomposites
Laanoja, Jüri; Sihtmäe, Mariliis; Vihodceva, Svetlana; Iesalnieks, Mairis; Otsus, Maarja; Kurvet, Imbi; Kahru, Anne; Kasemets, Kaja Heliyon 2024 / art. e35588 https://doi.org/10.1016/j.heliyon.2024.e35588 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effect of surface treatment on the antibacterial properties of wood and the possibility to detect the antibacteriality with fluorescence method
Vainio-Kaila, Tiina; Harju, Anni; **Rohumaa, Anti**; Paajanen, Olli; Venäläinen, Martti; Seppä, Julia; Veijalainen Anna-Maria; Pasanen, Pertti Forests 2023 / art. 23, 13 p. : ill https://doi.org/10.3390/f14010023

Toxicity of Ag, CuO and ZnO nanoparticles to selected environmentally relevant test organisms and mammalian cells in vitro : a critical review
Bondarenko, Olesja; **Juganson, Katre**; Ivask, Angela; Kasemets, Kaja; Mortimer, Monika; Kahru, Anne Archives of Toxicology 2013 / p. 1181 - 1200 https://doi.org/10.1007/s00204-013-1079-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Toxicological profiling of silver and copper oxide nanoparticles on Saccharomyces cerevisiae BY4741 wild-type and its single-gene deletion mutants = Hõbeda ja vaskoksiidi nanoosakeste toksilisuse iseloomustamine pärmi Saccharomyces cerevisiae BY4741 metsiktüvele ning geenikatkestus-mutantidele
Käosaar, Sandra 2018 https://digi.lib.ttu.ee/i/?10627 https://www.ester.ee/record=b5151210*est