

Ag-ions play the main role in silver nanoparticles toxicity in the ciliate Tetrahymena thermophila
Juganson, Katre; Mortimer, Monika; Ivask, Angela; Pucciarelli, Sandra; Miceli, Cristina; Orupöld, Kaja; Kahru, Anne NanoImpact Conference : program and abstract Book 2017 / p. 67

Aminocatalysts are more environmentally friendly than hydrogen-bonding catalysts

Sihtmäe, Mariliis; **Silm, Estelle; Kriis, Kadri; Kahru, Anne; Kanger, Tõnis** ChemSusChem 2022 / art. e202201045, 5 p. : ill
<https://doi.org/10.1002/cssc.202201045> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of sorption and bioavailability of different species of mercury on model soil components using XAS techniques and sensor bacteria

Bernaus, Anna; Gaona, Xavier; **Ivask, Angela; Kahru, Anne; Valiente, Manuel** Analytical and bioanalytical chemistry 2005 / 7, p. 1541-1548 : ill <https://pubmed.ncbi.nlm.nih.gov/15971043/>

Aniliinide ja fenoolide toksilisus vetikale Pseudokirchneriella subcapitata ja bakterile Vibrio fischeri : võrdlus kirjanduse andmete ja QSAR-idega

Aruoja, Villem; **Sihtmäe, Mariliis; Kahru, Anne** XXXII Eesti Keemiatänav : teaduskonverentsi teesid 2011 / lk. 14

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 chitosan-silver nanocomposites

Kasemets, Kaja; **Laanoja, Jüri; Kahru, Anne** Debrecen Colloquium on Carbohydrates 2020 in 2022, August 24-27, 2022 Debrecen, Hungary : program and abstracts 2022 / p. 47 https://konferencia.unideb.hu/sites/default/files/file_uploads/debcarb-abstract-elektronikus-2022-kesz_04-cor_0.pdf

Antibacterial activity 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 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>

Application of ATP-method in rapid monitoring of plant hygiene of Estonian food manufacturers

Kurvet, Madis; Külm, I.; Kahru, Anne BIOBALT '96 : Biotechnology in Estonia, Latvia and Lithuania : International Workshop, 19-20 April, 1996, Tartu, Estonia : abstract book 1996 / p. 24

Assessment of the hazard of nine (doped) lanthanides-based ceramic oxides to four aquatic species

Blinova, Irina; Vija, Heiki; Lukjanova, Aljona; **Muna, Marge; Syvertsen-Wiig, Guttorm; Kahru, Anne** Science of the total environment 2018 / p. 1171-1176 : ill <https://doi.org/10.1016/j.scitotenv.2017.08.274> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ATP-meetod mikroobse biomassi kiireks määramiseks ja selle kasutamine hügieeni testimisel toiduainetetööstuses

Kahru, Anne; Kurvet, Madis; Külm, I. EMS 96 teaduskonverents, 6.-7. juuni 1996, Tallinn = EMS 96 Scientific Conference, 6-7 June 1996, Tallinn 1996 / poster 17

Bacterial polysaccharide levan as stabilizing, non-toxic and functional coating material for microelement-nanoparticles

Bondarenko, Olesja; Ivask, Angela; Kahru, Anne; **Titma, Tiina; Pudova, Ksenia; Adamberg, Signe** Carbohydrate polymers 2016 / p. 710-720 : ill <https://doi.org/10.1016/j.carbpol.2015.09.093>

Bioanalysis of heavy metals from soils and sediments using recombinant luminescent bacterial sensors

Ivask, Angela; Kahru, Anne; Kunttu, K.; Virta, Marko; Douay, Francis; Dubourguier, Henri-Charles Toxicology letters 2002 / p. S101

Biotestide kasutamine keskkonnaseisundi hindamisel

Blinova, Irina; Kahru, Anne Keskkonnatehnika 2001 / 3, lk. 39 https://artiklid.elnet.ee/record=b1006845*est

Biotests and biosensors in ecotoxicological risk assessment of field soils polluted with zinc, lead, and cadmium
Kahru, Anne; Ivask, Angela; Kasemets, Kaja; Pöllumaa, Lee; Kurvet, Imbi; Francois, Matthieu; Dubourguier, Henri-Charles
Environmental toxicology and chemistry 2005 / 11, p. 2973-2982

Chemical versus toxicological analysis in characterization of phenolic pollution : a test battery approach
Kahru, Anne; Pöllumaa, Lee; Blinova, Irina; Reiman, R.; Rätsep, A. Toxicology letters 1998 / Supplement 1/95, p. 237

Combined effects of test media and dietary algae on the toxicity of CuO and ZnO nanoparticles to freshwater microcrustaceans daphnia magna and heterocyparis incongruens : food for thought
Muna, Marge; Blinova, Irina; Kahru, Anne; Vrček, Ivana Vinković; Pem, Barbara; Orupöld, Kaja; Heinlaan, Margit Nanomaterials 2019 / art. 23 <https://doi.org/10.3390/nano9010023> 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

Cubic iron core–shell nanoparticles functionalized to obtain high-performance MRI contrast agents
Volokhova, Maria; Shugai, Anna; Tsujimoto, Masahiko; Kubo, Anna-Liisa; Telliskivi, Sven; Nigul, Mait; Uudeküll, Peep; Vija, Heiki; Bondarenko, Olesja; Adamson, Jasper; Kahru, Anne; Stern, Raivo; Steinberg, Liis Materials 2022 / art. 2228 <https://doi.org/10.3390/ma15062228> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Cytotoxicity of metal-based nanoparticles in epithelial barrier models
Titma, Tiina 2017 http://www.esther.ee/record=b4662467*est

Determination of growth characteristics of sulfate reducing bacteria by microcalorimetry and ATP
Menert, Anne; Kahru, Anne; Blonskaja, Viktorija; 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 of bacterial biosensors and human stem cell-based in vitro assays for the toxicological profiling of synthetic nanoparticles = Rekombinantsetel sensorbakteritel ja inimeise tüvirakkudel põhinevate in vitro testide väljatöötamine sünteetiliste nanoosakeste toksikoloogiliseks uurimiseks
Bondarenko, Olesja 2012 <https://digi.lib.ttu.ee/i/?794>

Ecotoxicity of nanosized magnetite to crustacean Daphnia magna and duckweed Lemna minor
Blinova, Irina; Kanarbik, Liina; Irha, Natalja; Kahru, Anne Hydrobiologia 2017 / p. 141-149 : ill <https://doi.org/10.1007/s10750-015-2540-6>

Ecotoxicity profiling of a library of 24 L-phenylalanine derived surface-active ionic liquids (SAILs)
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; Aruoja, Villem; Gathergood, Nicholas; Kahru, Anne Sustainable chemistry and pharmacy 2021 / art. 100369, 10 p <https://doi.org/10.1016/j.scp.2020.100369> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

(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

(Eco)toxicological information on REACH-relevant chemicals : contribution of alternative methods to in vivo approaches
Sihtmäe, Mariliis 2011 http://www.esther.ee/record=b2733161*est

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.esther.ee/record=b5436547*est <https://digikogu.taltech.ee/et/item/bae0391e-b57c-476d-acda-6cd147ee55d0>

Eesti Toksikoloogia Selts taasloodud ja tegutseb
Kahru, Anne Eesti Rohuteadlane 1997 / 4, lk. 38-39

Effect of eutrophication on toxicity of metallic nanoparticles to daphnia magna [Online resource]
Muna, Marge; Heinlaan, Margit; Blinova, Irina; 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/>

Enhanced visible and ultraviolet light-induced gas-phase photocatalytic activity of TiO₂ thin films modified by increased

amount of acetylacetone in precursor solution for spray pyrolysis
Spiridonova, Jekaterina; Mere, Arvo; Krunks, Malle; Rosenberg, Merilin; Kahru, Anne; Daniison, Mati; Kritševskaja, Marina; Oja Acik, Ilona Catalysts 2020 / 21 p. : ill <https://doi.org/10.3390/catal10091011> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

E-SovTox : veebipõhine andmebaas venekeelsetes teaduskirjanduses publitseeritud kemikaalide (öko)toksikoloogia-alaste andmete kohta
Sihtmäe, Mariliis; Blinova, Irina; Aruoja, V.; Kahru, Anne XXXII Eesti Keemiatäiendus : teaduskonverentsi teesid 2011 / lk. 93

Evaluation of ecotoxicological effects related to oil shale industry
Pöllumaa, Lee 2004 https://www.esther.ee/record=b1994276*est

Evaluation of the biological effects of engineered nanoparticles on unicellular pro- and eukaryotic organisms = Sünteesiliste nanoosakeste bioloogiliste efektide hindamine üherakulitel pro- ja eukarüootsetel organismidel
Mortimer, Monika 2011 https://www.esther.ee/record=b2709099*est

Evaluation of the effect of test medium on total Cu body burden of nano CuO-exposed Daphnia magna: A TXRF spectroscopy study
Muna, Marge; Heinlaan, Margit; Blinova, Irina; Vija, Heiki; Kahru, Anne Environmental pollution 2017 / p. 1488-1496 : ill <https://doi.org/10.1016/j.envpol.2017.07.083>

Evaluation of the potential hazard of lanthanides to freshwater microcrustaceans
Blinova, Irina; Lukjanova, Aljona; Muna, Marge; Vija, Heiki; Kahru, Anne Science of the total environment 2018 / p. 1100-1107 : ill <https://doi.org/10.1016/j.scitotenv.2018.06.155> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of the potential hazard of manufactured metal-based nanomaterials to health of aquatic ecosystems: state of the art
Blinova, Irina; Muna, Marge; Lukjanova, Aljona; Kahru, Anne Journal of international scientific publications : ecology & safety 2018 / p. 174-182 : ill <https://www.scientific-publications.net/en/article/1001659/>

Exposure of freshwater zooplankton to copper nanoparticles : toxicity and copper body burden
Muna, Marge; Heinlaan, Margit; Vija, Heiki; Blinova, Irina; Kahru, Anne 20th International Scientific Conference EcoBalt 2016 : Tartu, Estonia, October 9-12 : book of abstracts 2016 / p. 33 http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf

Exposure to sublethal concentrations of Co₃O₄ and Mn₂O₃ nanoparticles induced elevated metal body burden in Daphnia magna
Heinlaan, Margit; Muna, Marge; Juganson, Katre; Oriekhova, Olena; Stoll, Serge; Kahru, Anne; Slaveykova, Vera Aquatic toxicology 2017 / p. 123-133 : ill <http://dx.doi.org/10.1016/j.aquatox.2017.06.002>

Hazard evaluation of polystyrene nanoplastic with nine bioassays did not show particle-specific acute toxicity
Heinlaan, Margit; Kasemets, Kaja; Aruoja, Villem; Blinova, Irina; Bondarenko, Olesja; Lukjanova, Aljona; Khosrovyan, Alla; Kurvet, Imbi; Pullerits, Mirjam; Sihtmäe, Mariliis; Vasilev, Grigory; Vija, Heiki; Kahru, Anne Science of the total environment 2020 / art. 136073, 7 p. : ill <https://doi.org/10.1016/j.scitotenv.2019.136073> Journal metrics at Scopus Article at Scopus Journal metrics at Scopus Article at WOS

Keskkonnaseisundi kompleksne hindamine keemiliste, toksikoloogiliste ja mikrobioloogiliste parameetrite alusel
Kahru, Anne; Pöllumaa, Lee; Maloverjan, Alla; Ivask, Angela; Trapido, Marina XXVI Eesti keemiatäiendus : teaduskonverentsi ettekannete referaatid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 45-46

Kiirmeetod paberi toksilisuse määramiseks, milles testorganismidena kasutatakse fotobaktereid
Kahru, Anne; Pöllumaa, Lee; Külm, I.; Kanger, K. EMS 96 teaduskonverents, 6.-7. juuni 1996, Tallinn = EMS 96 Scientific Conference, 6-7 June 1996, Tallinn 1996 / poster 18

Laboratory study of bioremediation of rocket fuel-polluted groundwater
Rožkov, Aleksei; Vassiljeva, Irina; Kurvet, Madis; Kahru, Anne; Preis, Sergei; Hartšenko, Anna; Kritševskaja, Marina; Liiv, Milana; Käärd, Arvo; Vilu, Raivo Water research 1999 / no. 5, [12] p. : ill

Lonidamiini fotodünaamiliste ja antineoplastiliste omaduste uurimine
Tšekulajev, Vladimir; Ševtšuk, Igor; Tšekulajeva, Ludmilla; Kahru, Anne XVI Eesti keemiatäiendus : teaduskonverentsi ettekannete referaatid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 139-141

Luminescent recombinant sensor bacteria for the analysis of bioavailable heavy metals
Ivask, Angela 2006 https://www.esther.ee/record=b2158067*est

Luminestseeruvad bakteriaalsed biosensorid raskemetallide määramiseks
Ivask, Angela; Karp, M.; Kahru, Anne; Virta, Marko Eesti Mikrobioloogide Ühenduse konverents : 12.05.2000, Tartu = Conference

Mechanisms of toxic action of silver nanoparticles in the protozoan *Tetrahymena thermophila* : from gene expression to phenotypic events

Juganson, Katre; Mortimer, Monika; Ivask, Angela; Pucciarelli, Sandra; Miceli, Cristina; Orupöld, Kaja; Kahru, Anne Environmental pollution 2017 / p. 481-489 : ill <https://doi.org/10.1016/j.envpol.2017.03.013>

Mikroobsete biotestide kasutamine tuhamägede vee toksilisuse uurimisel

Kahru, Anne; Kurvet, Madis; Külm, I. EMS 96 teaduskonverents, 6.-7. juuni 1996, Tallinn = EMS 96 Scientific Conference, 6-7 June 1996, Tallinn 1996 / [1] p

Nano(eco)toxicology : science at the interfaces

Kahru, Anne; Ivask, Angela; Blinova, Irina; Kasemets, Kaja; Bondarenko, Olesja; Mortimer, Monika; Heinlaan, Margit; Käkinen, Aleksandr; Aruoja, Villem SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 22

Narva elektrijaamade tuhaheitmete keskkonnamõjud : kombineeritud geokeemiline ja ökotoksikoloogiline uuring

Käkinen, Aleksandr; Blinova, Irina; Ivask, Angela; Kasemets, K.; Bitjukova, Liidia; Aruoja, V.; Kurvet, Imbi; Mortimer, Monika; Bondarenko, Olesja; Sihtmäe, Mariliis; Kahru, Anne XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 53

On the mechanism of cytotoxic action of UVA radiation towards mammalian cells

Ševtšuk, Igor; Tšekulajev, Vladimir; Tšekulajeva, Ludmilla; **Kahru, Anne** Joint Conference of Scandinavian Society of Cell Toxicology and Estonian Society of Toxicology : (SSCT & ETS 98) : Tallinn, October 23-26, 1998 : program and abstracts 1998 / I. 83

Pestitsiidide toksilisuse uurimine kasutades bakteriaalseid testsüsteeme : lumineestseeruvad bakterid *Photobacterium phosphoreum*

Kahru, Anne; Tomson, K.; Pall, T.; Külm, I. XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaatid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 32-34

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

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 <http://dx.doi.org/10.1016/j.jphotobiol.2014.12.010>

Potential ecotoxicological effects of antimicrobial surface coatings : a literature survey backed up by analysis of market reports

Rosenberg, Merlin; Illic, Krunoslav; Juganson, Katre; Ivask, Angela; Ahonen, Merja; Vrcek, Ivana; Kahru, Anne PeerJ 2019 / art. e6315 ; 34 p <https://doi.org/10.7717/peerj.6315> [Journal metrics at Scopus Article at Scopus](#) [Journal metrics at WOS Article at WOS](#)

Predictability of the toxicity of the oil-shale industry wastewaters by their phenolic composition

Kahru, Anne; Põllumaa, Lee; Reiman, R.; Rätsep, A. Joint Conference of Scandinavian Society of Cell Toxicology and Estonian Society of Toxicology : (SSCT & ETS 98) : Tallinn, October 23-26, 1998 : program and abstracts 1998 / I. 31

Prediction of toxicity of (phenolic) wastewater to activated sludge using luminescent bacteria *Photobacterium phosphoreum*

Kahru, Anne; Kurvet, Madis; Külm, I. 2nd IAWQ Specialized Conference on Hazard Assessment and Control of Environmental Contaminants in Water - The Interface Between Environmental Engineering and Environmental Science, Technical University of Denmark, Copenhagen, 29-30. June 1995 : book of abstracts 1995 / p. 56a

Profiling of the toxicity mechanisms of coated and uncoated silver nanoparticles to yeast *Saccharomyces cerevisiae* BY4741 using a set of its 9 single-gene deletion mutants defective in oxidative stress response, cell wall or membrane integrity and endocytosis

Käosaar, Sandra; Kahru, Anne; Mantecca, Paride; Kasemets, Kaja Toxicology in vitro 2016 / p. 149-162 : ill <https://doi.org/10.1016/j.tiv.2016.05.018>

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

Rosenberg, Merlin; 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](#)

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

Reostatud pinnase suhtelise toksilisuse määramine fotobakteritestidega

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

Saastatud muldade dehüdrogenaasse aktiivsuse ja ATP sisalduse määramine

Maloverjan, Alla; Laht, Mailis; Pöllumaa, Lee; Kahru, Anne Eesti Mikrobioloogide Ühenduse konverents : 12.05.2000, Tartu = Conference of the Estonian Society for Microbiology : 12.05.2000, Tartu 2000 / I. 17

Saastatud muldade toksikoloogiline ja mikrobioloogiline kirjeldamine

Kahru, Anne; Pöllumaa, Lee; Maloverjan, Alla; Reiman, Rain; Laht, Mailis; Trapido, Marina Eesti Mikrobioloogide Ühenduse konverents : 12.05.2000, Tartu = Conference of the Estonian Society for Microbiology : 12.05.2000, Tartu 2000 / I. 15

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

Sihtmäe, Mariiliis; 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 the environmental hazard caused by the oil shale industry solid waste

Pöllumaa, Lee; **Maloverjan, Alla; Trapido, Marina; Sillak, H.; Kahru, Anne** ATLA 2001 / p. 259-267

Study of the toxic effect of the short- and medium-chain monocarboxylic acids on the growth of *Saccharomyces cerevisiae* using the CO₂-auxo-accelerostat fermentation system

Kasemets, Kaja; Kahru, Anne; Laht, Tiiu-Maie; Paalme, Toomas International journal of food microbiology 2006 / 3, p. 206-215 : ill <https://www.sciencedirect.com/science/article/abs/pii/S0168160506002960>

Study of the toxicological impact of different components of ash-heap water (sulphur rich phenolic leachate) using luminescent bacteria as test organisms

Kahru, Anne; Kurvet, M.; Kurvet, Imbi Oil shale 1997 / 4, Special, p. 469-475

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

Study of toxicity of pesticides using luminescent bacteria *Photobacterium phosphoreum*

Kahru, Anne; Tomson, K.; Pall, T.; Külm, I. 2nd IAWQ Specialized Conference on Hazard Assessment and Control of Environmental Contaminants in Water - the Interface Between Environmental Engineering and Environmental Science, Technical University of Denmark, Copenhagen, 29-30. June 1995 : book of abstracts 1995 / p. 148

Surface carboxylation or PEGylation decreases CuO nanoparticles' cytotoxicity to human cells in vitro without compromising their antibacterial properties

Kubo, Anna-Liisa; **Vasiliev, Grigory; Vija, Heiki; Krištal, Jekaterina; Tõugu, Vello; Visnapuu, Meeri; Kisand, Vambola; Kahru, Anne; Bondarenko, Olesja** Archives of toxicology 2020 / p. 1561-1573 : ill <https://doi.org/10.1007/s00204-020-02720-7>

Süntetiliste nanoosakeste toksilisus in vitro

Mortimer, Monika; Kasemets, Kaja; Heinlaan, Margit; Vodovik, Maša; Marinšek Logar, Romana; Kahru, Anne XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 17

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>

Synthesis and antimicrobial activity profiling of library of L-Phenylalanine derived ionic liquids

Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariiliis; 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>

Techniques used for analyzing microplastics, antimicrobial resistance and microbial community composition : a mini-review

Bartkova, Simona; Kahru, Anne; Heinlaan, Margit; Scheler, Ott Frontiers in microbiology 2021 / art. 603967 <https://doi.org/10.3389/fmicb.2021.603967> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tetrahymena thermophila : a good model for nanoecotoxicity studies
Juganson, Katre; Mortimer, Monika; Ivask, Angela; **Käkinen, Aleksandr**; Visnapuu, Meeri; Kahru, Anne Ciliates as model systems to study genome evolution, mechanisms of non-Mendelian inheritance and environmental adaptation : Tallinn, Estonia : 12-16 May, 2013 : book of abstracts 2013 / p. 60

The growth rate control in Escherichia coli at near to maximum growth rates : the A-stat approach
Paalme, Toomas; Elken, R.; **Kahru, Anne**; Vanatalu, Kalju; Vilu, Raivo Antonie van Leeuwenhoek journal of microbiology 1997 / p. 217-230: ill

The role of physico-chemical properties and test environment on biological effects of copper and silver nanoparticles = Vase ja hõbeda nanoosakeste füüsikaliste keemiliste omaduste ja testikeskkonna mõju nende bioloogilisele toimele
Käkinen, Aleksandr 2014 https://www.esther.ee/record=b3078755*est

The toxicity of brewed coffee according to the ecotoxicological tests
Ivask, Angela; Reiman, Rain; Rätsep, Anneli; **Maloverjan, Alla**; Laht, Mailis; **Kahru, Anne** Microbiological Safety of Food : joint conference organized by Society for Applied Microbiology (UK), World Health Organization and Estonian Society for Microbiology : 10-11 May 2000, Tartu, Estonia 2000 / I. 54

Toxicity mechanisms of AG and CuO nanoparticles to the yeast *Saccharomyces cerevisiae* [Online resource]
Käosaar, Sandra; Kahru, Anne; Kasemets, Kaja 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/>

Toxicity of 39 MEIC chemicals to bioluminescent Photobacteria (the BiotoxTM test) : correlation with other test systems
Kahru, Anne; Borchardt, Barbara ATLA 1994 / p. 147-160

Toxicity of antimony, copper, cobalt, manganese, titanium and zinc oxide nanoparticles for the alveolar and intestinal epithelial barrier cells in vitro
Titma, Tiina; Shimmo, Ruth; Siigur, Jüri; Kahru, Anne Cytotechnology 2016 / p. 2363-2377 : ill <http://dx.doi.org/10.1007/s10616-016-0032-9>

Toxicity of benzoate and sorbate to different organisms
Maloverjan, Alla; Pöllumaa, Lee; **Kahru, Anne** Microbiological Safety of Food : joint conference organized by Society for Applied Microbiology (UK), World Health Organization and Estonian Society for Microbiology : 10-11 May 2000, Tartu, Estonia 2000 / I. 60

Toxicity of nanoscale cationic polymers in vitro and in vivo
Kahru, Anne; Drews, Monika; Pöllumaa, Lee; **Kasemets, Kaja**; Veidebaum, Toomas; **Kogerman, Priit** ALTEX 2005 / p. 302

Toxicity of nine (doped) rare Earth metal oxides and respective individual metals to aquatic microorganisms *Vibrio fischeri* and *Tetrahymena thermophila*
Kurvet, Imbi; **Juganson, Katre**; Vija, Heiki; Sihtmäe, Mariliis; Blinova, Irina; Syvertsen-Wiig, Guttorm; Kahru, Anne Materials 2017 / art. 754, p. 1-18 : ill <http://dx.doi.org/10.3390/ma10070754>

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

Toxicity profiling of 24 L-phenylalanine derived ionic liquids based on pyridinium, imidazolium and cholinium cations and varying alkyl chains using rapid screening *Vibrio fischeri* bioassay
Kusumahastuti, Dewi Kurnianingsih Arum; Sihtmäe, Mariliis; **Kapitanov, Illia**; Karpichev, Yevgen; Gathergood, Nicholas; Kahru, Anne Ecotoxicology and environmental safety 2019 / p. 556-565 : ill <https://doi.org/10.1016/j.ecoenv.2018.12.076> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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-oonvedelike 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 = Höbeda ja vaskoksiidi nanoosakeste toksilisuse iseloomustamine pärmi *Saccharomyces cerevisiae* BY4741 metsiküvele ning geenikatkestus-mutantidele

Toxicological study of Lithuanian and Estonian wastewaters using a battery of microbiotests

Balkelyte, L.; Blinova, Irina; Kahru, Anne Joint Conference of Scandinavian Society of Cell Toxicology and Estonian Society of Toxicology : (SSCT & ETS 98) : Tallinn, October 23-26, 1998 : program and abstracts 1998 / I. 71

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

UVA-induced antimicrobial activity of ZnO/Ag nanocomposite covered surfaces

Visnapuu, Meeri; Rosenberg, Merilin; Truska, Egle; Nõmmiste, Ergo; Šutka, Andris; Kahru, Anne; Rähn, Mihkel; Vija, Heiki; Orupöld, Kaja; Kisand, Vambola; Ivask, Angela Colloids and Surfaces B: Biointerfaces 2018 / p. 222-232

<https://doi.org/10.1016/j.colsurfb.2018.05.009> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS