

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; Orupõld, Kaja; Kahru, Anne NanoImpact Conference : program and abstract Book 2017 / p. 67

Ag-ions play the main role in silver nanoparticles toxicity in the ciliate *Tetrahymena thermophila* [Online resource]

Juganson, Katre; Mortimer, Monika; Ivask, Angela Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fntdk.ut.ee/teesid/>

Ecotoxicological impacts of industrially relevant engineered nanomaterials : effects on *Tetrahymena thermophila* = Tööstuslike nanomaterjalide keskkonnatoxisilise hindamine : nanoosakeste mõju algloomale *Tetrahymena thermophila*

Juganson, Katre 2018 <https://digi.lib.ttu.ee/search/> https://www.ester.ee/record=b5056136*est

Evaluation of the biological effects of engineered nanoparticles on unicellular pro- and eukaryotic organisms = Sünteetiliste nanoosakeste bioloogiliste efektide hindamine üherakulistel pro- ja eukarüootsetel organismidel

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

Extracellular conversion of silver ions into silver nanoparticles by protozoan *Tetrahymena thermophila*

Juganson, Katre; Mortimer, Monika; Ivask, Angela; Kasemets, Kaja; Kahru, Anne Environmental Sciences: Processes and Impacts 2013 / p. 244 - 250 <https://doi.org/10.1039/c2em30731f> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification and characterization of a naturally occurring 11R-lipoxygenase

Järving, Reet; Mortimer, Monika; Brash, Alan R.; Samel, Nigulas; Järving, Ivar Prostaglandins & other lipid mediators 2006 / 1/2, p. 184 <https://www.researchgate.net/publication/278279948> [Identification and characterization of a naturally occurring 11R-lipoxygenase](#)

Identification and characterization of a naturally occurring 11R-lipoxygenase

Järving, Reet; Mortimer, Monika; Brash, Alan R.; Samel, Nigulas; Järving, Ivar 9th International Conference "Eicosanoids & Other Bioactive Lipids in Cancer, Inflammation & Related Diseases 2005 / p. 11-14

Identification and characterization of an arachidonate 11R-lipoxygenase

Mortimer, Monika; Järving, Reet; Brash, Alan R.; Samel, Nigulas; Järving, Ivar Archives of biochemistry and biophysics 2006 / 1, p. 147-155 : ill <https://www.sciencedirect.com/science/article/pii/S0003986105004455>

Interaction of firefly luciferase and silver nanoparticles and its impact on enzyme activity

Käkinen, Aleksandr; Ding, Feng; Chen, Pengyu; Mortimer, Monika; Kahru, Anne; Ke, Pu Chun Nanotechnology 2013 / art. 345101 <https://doi.org/10.1088/0957-4484/24/34/345101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

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; Orupõld, Kaja; Kahru, Anne Environmental pollution 2017 / p. 481-489 : ill <https://doi.org/10.1016/j.envpol.2017.03.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nano(ecotoxicology) : 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

NanoE-Tox: new and in-depth database concerning ecotoxicity of nanomaterials

Juganson, Katre; Ivask, Angela; Blinova, Irina; Mortimer, Monika; Kahru, Anne Beilstein Journal of Nanotechnology 2015 / p. 1788 - 1804 <https://doi.org/10.3762/bjnano.6.183> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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](#)

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

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

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](#)

Uus 8-lipoksügenaas korallist Gersemia fruticosa

Lõhelaid, Helike; **Mortimer, Monika**; **Järving, Reet**; **Varvas, Külliki**; **Samel, Nigulas**; **Järving, Ivar** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 81-82