

### **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](#)

### **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

### **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

### **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; Seinberg, 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](#)

### **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

### **Enzymatic synthesis and ways of further treatment of fructooligosaccharides and polymeric levan for prebiotic efficiency studies**

Mardo, Karin; Visnapuu, Triinu; Aasamets, Anneli; Viigand, Katrin; Bondarenko, Olesja; Vija, Heiki; **Adamberg, Kaarel; Adamberg, Signe**; Alamäe, Tiina New biotechnology 2016 / p. S122-S123 <https://doi.org/10.1016/j.nbt.2016.06.1148>

### **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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

### **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](http://akki.ut.ee/wp-content/uploads/2015/01/Abstracts_Book_EcoBalt_2016.pdf)

### **Functional food ingredients : metabolism of fructans by Bacteroides thetaiotaomicron and colon microbiota studied by isothermal microcalorimetry**

**Adamson, Signe; Tomson, Katrin**; Vija, Heiki; **Puurand, Marju; Adamberg, Kaarel** 2nd Congress of Baltic Microbiologists : Tartu, Estonia, 17-18 October, 2014 2014

### **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; **Vasiliev, 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](#)

### **Levansucrase Lsc3 as a feasible catalyst for the synthesis of novel prebiotics**

Visnapuu, Triinu; Aasamets, Anneli; Jõgi, Eerik; Metsla, Kati; Vija, Heiki; **Adamberg, Signe**; Alamäe, Tiina The fourth Beneficial Microbes Conference : Beneficial impact of Pre- and Probiotics on Human and Animal Health : 16-18 March 2015, NH Atlantic, the Hague, the Netherlands 2015 / [2] p

### **Lipase action on some non-triglyceride substrates**

**Vallikivi, Imre; Lille, Ülo; Löökene, Aivar; Metsala, Andrus**; Sikk, Peeter; Tõugu, Vello; Vija, Heiki; **Villo, Ly; Parve, Omar** Journal of molecular catalysis B : enzymatic 2003 / 5/6, p. 279-298 : ill <https://www.sciencedirect.com/science/article/abs/pii/S1381117703000432>

### **Lipase-catalysed enantioselective hydrolysis : interpretation of the kinetic results in terms of frontier orbital localisation**

Parve, Omar; **Vallikivi, Imre**; Metsala, Andrus; **Lille, Ülo**; Tõugu, Vello; Sikk, Peeter; **Käämbre, Tuuli**; Vija, Heiki; **Pehk, Tõnis** Tetrahedron 1997 / 13, p. 4889-4900

### **Lipase-catalysed enantioselective hydrolysis of bicyclo[3.2.0]heptanol esters in supercritical carbon dioxide**

Parve, Omar; **Vallikivi, Imre**; Lahe, Lilja; Metsala, Andrus; **Lille, Ülo**; Tõugu, Vello; Vija, Heiki; **Pehk, Tõnis** Bioorganic & medicinal chemistry letters 1997 / 7, p. 811-816

### **"Lipolase" allub sekundaarsete alkoholide enantioeelistuse üldisele reeglile nii vesi kui ka superkriitilise SKCO<sub>2</sub> keskkonnas = "Lipolase" obeys the general enantiopreference rule of secondary alcohols in water and supercritical (SC)CO<sub>2</sub> media as well**

**Lille, Ülo**; Metsala, Andrus; Parve, Omar; Tõugu, Vello; Vija, Heiki XVII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 17th Estonian Chemistry Days : abstracts of scientific conference 1996 / lk. 101-102

### **Nerve growth factor from Vipera lebetina venom**

**Paalme, Viuu**; Trummal, Katrin; Samel, Mari; Tõnismägi, Külli; **Järvekülg, Lilian**; Vija, Heiki; Subbi, Juhan; Siigur, Jüri; Siigur, Ene Toxicon 2009 / 3, p. 329-336 : ill <https://www.sciencedirect.com/science/article/pii/S0041010109002438>

### **Plastic contamination in Estonia: novel plasticizers and microplastics in Estonian wastewater treatment plants**

**Heinlaan, Margit**; **Ayankunle, Ayankoya Yemi**; **Vija, Heiki**; **Buhhalko, Natalja**; **Lember, Erki**; **Pachel, Karin** The Gulf of Finland and Eastern Baltic Sea Science Days 2023 : "The future of our co-operation : A nucleus to transboundary nurture of the marine environment in transition", Estonian Academy of Sciences, Tallinn, 16–17 November 2023 : abstracts 2023 / p. 26-27 <https://www.akadeemia.ee/wp-content/uploads/2023/11/gof-science-days-2023-abstracts-for-web-2.pdf>

### **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](#)

### **Stable isotope tracing uncovers reduced $\gamma/\beta$ -ATP turnover and metabolic flux through mitochondrial-linked phosphotransfer circuits in aggressive breast cancer cells**

Klepinin, Aleksandr; **Miller, Sten**; Reile, Indrek; Puurand, Marju; **Rebane-Klemm, Egle**; **Klepinina, Ljudmila**; Vija, Heiki; Zhang, Song; Terzic, Andre; Dzeja, Petras; Kaambre, Tuuli Frontiers in Oncology 2022 / art. 892195 <https://doi.org/10.3389/fonc.2022.892195> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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>

### **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](#)

### **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 <https://doi.org/10.3390/ma10070754> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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; Orupõld, 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](#)