

**Adsorption and kinetics studies of Cr (VI) by graphene oxide and reduced graphene oxide-zinc oxide nanocomposite**  
Naseem, Taiba; Bibi, Fozia; Arif, Saira; Waseem, Muhammad Adnan; Haq, Sirajul; Azra, Mohamad Nor; **Liblik, Taavi**; Zekker, Ivar  
*Molecules* 2022 / art. 7152, 16 p. : ill <https://doi.org/10.3390/molecules27217152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts**  
**Maljutenko, Karolin; Borovkov, Victor; Kananovich, Dzmitry; Järving, Ivar; Lopp, Margus** *Tetrahedron* 2018 / p. 661–664 : ill  
<https://doi.org/10.1016/j.tet.2017.12.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Antibacterial and antiviral effects of Ag, Cu and Zn metals, respective nanoparticles and filter materials thereof against coronavirus SARS-CoV-2 and influenza A virus**  
Kubo, Anna-Liisa; Rausalu, Kai; Savest, Natalja; Žusinaite, Eva; **Vasiliev, Grigory; Viirsalu, Mihkel; Plamus, Tiia; Krumme, Andres**; Merits, Andres; Bondarenko, Olesja *Pharmaceutics* 2022 / art. 2549 : 19 p. : ill <https://doi.org/10.3390/pharmaceutics14122549>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Anticancer Effect of the Iridoid Glycoside Fraction from *Dipsacus fullonum* L. Leaves**  
**Kuhtinskaja, Maria; Bragina, Olga; Kulp, Maria; Vaher, Merike** *Natural product communications* 2020 / p. 1-6  
<https://doi.org/10.1177/1934578X20951417> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at Scopus](#) [Article at WOS](#)

**Antifungal activity of medicinal mushrooms and optimization of submerged culture conditions for *Schizophyllum commune* (Agaricomycetes)**  
Berikashvili, Violeta; Khardziani, Tamar; Kobakhidze, Aza; **Kulp, Maria; Kuhtinskaja, Maria; Lukk, Tiit**; Gargano, Maria; Venturella, Giuseppe; Kachlishvili, Eka; Metreveli, Eva; Elisashvili, Vladimir; Asatiani, Mikheil *International journal of medicinal mushrooms* 2023 / p. 1-21 <https://doi.org/10.1615/IntJMedMushrooms.2023049836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Application of activated carbon derived from seed shells of *Jatropha curcas* for decontamination of zearalenone mycotoxin**  
Kalagatur, Naveen K.; Karthick, Kumavel; Allen, Joseph A.; Chandranayaka, Siddaiah; **Gupta, Vijai Kumar**; Ghosh, Oriparambil Sivaraman Nirmal; Krishna, Kadirvelu; Mudili, Venkataramana *Frontiers in pharmacology* 2017 / art. 760, 13 p. : ill  
<https://doi.org/10.3389/fphar.2017.00760> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Asymmetric synthesis with titanacyclopropane reagents : From early results to the recent achievements**  
Konik, Yulia A.; **Kananovich, Dzmitry** *Tetrahedron letters* 2020 / art. 152036, 12 p. : ill <https://doi.org/10.1016/j.tetlet.2020.152036>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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/10.2174/138955752099920116163012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Calcium, Barium and Strontium apatites : a new generation of catalysts in the Biginelli reaction**  
Ben Moussa, Sana; Lachheb, Jalel; Gruselle, Michel; **Maaten, Birgit; Kriis, Kadri; Kanger, Tõnis; Tõnsuaadu, Kaia**; Badraoui, Bechir *Tetrahedron* 2017 / p. 6542-6548 : ill <https://doi.org/10.1016/j.tet.2017.09.051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Capillary electrophoresis as a monitoring tool for flow composition determination**  
**Kaljurand, Mihkel; Saar-Reismaa, Piret; Vaher, Merike; Gorbatošova, Jelena; Mazina-Šinkar, Jekaterina** *Molecules* 2021 / art. 4918, 12 p. : ill <https://doi.org/10.3390/molecules26164918> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Challenges in noninvasive skin biomarker measurements in daily practice : a longitudinal study on skin surface protein detection by the transdermal analysis patch in pediatric psoriasis**  
Schaap, Mirjam J.; Bruins, Finola M.; Van Den Brink, Noa J.M.; **Orro, Kadri**; Groenewoud, Hans M.M.; De Jong, Elke M.G.J.; Van Den Bogaard, Ellen H; Seyger, Marieke M.B. *Skin Pharmacology and Physiology* 2022 / p. 319 - 327 <https://doi.org/10.1159/000527258>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chemical Composition and Antibacterial Effect of *Mentha* spp. Grown in Estonia**  
Kapp, Karmen; Püssa, Tõnu; **Orav, Anne**; Roasto, Mati; Raal, Ain; Vuorela, Pia; Vuorela, Heikki; Tammela, Päivi *Natural product communications* 2020 / 14 p <https://doi.org/10.1177/1934578X20977615> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Chemical composition of essential oil of common juniper (*Juniperus communis* L.) branches from Estonia**  
Raal, Ain; Komarov, Rostislav; **Orav, Anne**; Kapp, Karmen; Grytsyk, Andriy; Koshoyi, Oleh *ScienceRise: Pharmaceutical Science* 2022 / p. 66 - 73 <https://doi.org/10.15587/2519-4852.2022.271048> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Cocaine-induced epigenetic DNA modification in mouse addiction-specific and non-specific tissues**

Anier, Kaili; Urb, Mari; Kipper, Karin; Herodes, Koit; **Timmusk, Tõnis** *Neuropharmacology* 2018 / p. 13-25

<https://doi.org/10.1016/j.neuropharm.2018.06.036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Complexes of HXeY with HX (Y, X = F, Cl, Br, I): Symmetry-Adapted Perturbation Theory Study and Anharmonic Vibrational Analysis**

Dzieciol, Bartosz; **Osadchuk, Irina**; Cukras, Janusz; Lundell, Jan *Molecules* 2023 / art. 5148 <https://doi.org/10.3390/molecules28135148>

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

### **Composition and antibacterial effect of mint flavorings in candies and food supplements**

Kapp, Karmen; **Orav, Anne**; Roasto, Mati; Raal, Ain; Püssa, Tõnu; Vuorela, Heikki; Tammela, Päivi; Vuorela, Pia *Planta medica*

2020 / p. 1089–1096 <https://doi.org/10.1055/a-1158-1699> [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](#)

### **Design and validation of novel chikungunya virus protease inhibitors**

Das, Pratyush Kumar; Puusepp, Laura; Varghese, Finny S.; Utt, Age; Ahola, Tero; **Kananovich, Dzmitry**; **Lopp, Margus**; Merits, Andres; Karelson, Mati *Antimicrobial agents and chemotherapy* 2016 / p. 7382-7395 : ill

<https://doi.org/10.1128/AAC.01421-16> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Detection of Chaetomium globosum, Ch. cochliodes and Ch. rectangulare during the Diversity Tracking of Mycotoxin-Producing Chaetomium-like Isolates Obtained in Buildings in Finland**

Salo, Marja Johanna; Kedves, Orsolya; Mikkola, Raimo; Kredics, Laszlo; Andersson, Maria A.; **Kurnitski, Jarek**; Salonen, Heidi

*Toxins* 2020 / art. 443, 22 p. <https://doi.org/10.3390/toxins12070443> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development and optimisation of HILIC-LC-MS method for determination of carbohydrates in fermentation samples**

**Pismennõi, Dmitri**; **Kiritzenko, Vassili**; **Marhivka, Jaroslav**; Kütt, Mary-Liis; **Vilu, Raivo** *Molecules* 2021 / art. 3669, 10 p. : ill

<https://doi.org/10.3390/molecules26123669> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development of Functional Composite Cu(II)-Polyoxometalate/PLA with Antimicrobial Properties**

**Duvanova, Ella**; **Krasnou, Illia**; **Krumme, Andres**; **Mikli, Valdek**; **Rozantsev, Georgiy M.**; **Radio, Serhii V.**; **Karpichev, Yevgen**

*Molecules* 2022 / art. 2510 <https://doi.org/10.3390/molecules27082510> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

### **Effect of the titanium isopropoxide : acetylacetonate molar ratio on the photocatalytic activity of TiO2 thin films**

**Spiridonova, Jekaterina**; **Katerski, Atanas**; **Danilson, Mati**; **Kritševskaja, Marina**; **Krunks, Malle**; **Oja Acik, Ilona** *Molecules*

2019 / art. 4326, 14 p. : ill <https://doi.org/10.3390/molecules24234326> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Eicosanoid diversity of stony corals**

**Löhelaid, Helike**; **Samel, Nigulas** *Marine drugs* 2018 / p. 1-14 : ill <https://doi.org/10.3390/md16010010> [Journal metrics at Scopus](#)

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

### **Electrospun fibrous materials with propolis extracts for edible food packagings**

Zelca, Zane; Merijs-Meri, Remo; **Krumme, Andres**; Bernava, Aina *Molecules* 2023 / art. 5497

<https://doi.org/10.3390/molecules28145497> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Endophytic fungi-alternative sources of cytotoxic compounds : a review**

Uzma, Faszilath; Mohan, Chakrabhavi D.; Hashem, Arbeer; **Gupta, Vijai Kumar** *Frontiers in pharmacology* 2018 / art. 309, 37 p. : ill

<https://doi.org/10.3389/fphar.2018.00309> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An evaluation of boar spermatozoa as a biosensor for the detection of sublethal and lethal toxicity**

Castagnoli, Emmanuelle; Salo, Johanna; Toivonen, Matti S.; **Kurnitski, Jarek** *Toxins* 2018 / art. 463, 15 p. : ill

<https://doi.org/10.3390/toxins10110463> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Evaluation of Zn<sup>2+</sup>- and Cu<sup>2+</sup>-binding affinities of native Cu,Zn-SOD1 and its G93A mutant by LC-ICP MS**  
Smirnova, Julia; Gavrilova, Julia; Noormägi, Andra; Valmsen, Karin; Pupart, Hegne; Luo, Jinghui; Tõugu, Vello; Palumaa, Peep *Molecules* 2022 / art. 3160 <https://doi.org/10.3390/molecules27103160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Extraction and fractionation of bioactives from *Dipsacus fullonum* L. leaves and evaluation of their anti-borrelia activity**

Saar-Reismaa, Piret; Bragina, Olga; Kuhtinskaja, Maria; Reile, Indrek; Laanet, Pille-Riin; Kulp, Maria; Vaher, Merike *Pharmaceuticals* 2022 / 12 p. : ill <https://doi.org/10.3390/ph15010087> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Generation of mixed anhydrides via oxidative fragmentation of tertiary cyclopropanols with phenyliodine(III) dicarboxylates**

Zubrytski, Dzmitry M.; Elek, Gabor Zoltan; Lopp, Margus; Kananovich, Dzmitry *Molecules* 2020 / art. 140 <https://doi.org/10.3390/molecules26010140> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Glucose impairs aspirin inhibition in platelets through a NAD(P)H oxidase signaling pathway**

Kobzar, Gennadi; Mardla, Vilja; Samel, Nigulas *Prostaglandins & other lipid mediators* 2017 / p. 33-40 : ill <https://doi.org/10.1016/j.prostaglandins.2017.07.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**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](#)

**Growth, toxin content and production of *Dinophysis norvegica* in cultured strains isolated from Funka Bay (Japan)**

Nagai, Satoshi; Basti, Leila; Uchida, Hajime; Kuribayashi, Takanori; Natsuike, Masafumi; Sildever, Sirje; Nakayama, Natsuko; Lum, Wai Mun; Matsushima, Ryuji *Toxins* 2023 / art. 318 <https://doi.org/10.3390/toxins15050318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Health risk assessment of the European inhabitants exposed to contaminated ambient particulate matter by potentially toxic elements**

Broomandi, P.; Rodriguez-Seijo, A.; Janatian, Nasmine; Fathian, A.; Tleuken, A.; Mohammadpour, K.; Galan-Madruga, D.; Jahanbakhshi, A.; Satyanaga, A.; Bagheri, M.; Morawska, L.; Jong Ryeol Kim *Environmental pollution* 2023 / art. 121232 <https://doi.org/10.1016/j.envpol.2023.121232> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Highly chemo- and regioselective synthesis and subsequent directional catalyst-free transformation of enantiopure bioxirane derivatives**

Hu, Xiaoyun; Li, Kang; Guo, Jianxin; Wang, Cui; Ma, Ling; Borovkov, Victor *Tetrahedron* 2022 / art. 132763 <https://doi.org/10.1016/j.tet.2022.132763> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Hydroxamic acids as PARP-1 inhibitors : molecular design and anticancer activity of novel phenanthridinones**

Bondar, Denys; Bragina, Olga; Lee, Ji Young; Semenyuta, Ivan; Järving, Ivar; Brovarets, Volodymyr; Wipf, Peter; Bahar, Ivet; Karpichev, Yevgen *Helvetica chimica acta* 2023 / art. e202300133, 26 p. : ill <https://doi.org/10.1002/hlca.202300133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Identification of glycolytic proteins as binding partners of Bri2 BRICHOS domain**

Tigro, Helene; Shimozawa, Makoto; Nilsson, Per; Lyashkov, Alexey; Khadeer, Mohammed; Järving, Ivar; Ferrucci, Luigi; Shimmo, Ruth; Johansson, Jan; Moaddel, Ruin *Journal of pharmaceutical and biomedical analysis* 2023 / art. 115465, 8 p. : ill <https://doi.org/10.1016/j.jpba.2023.115465> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Identification of phthalate mixture exposure targets in the human and mouse ovary in vitro**

Tarvainen, Ilari; Soto, Delia A.; Laws, Mary J.; Björvang, Richelle D.; Damdimopoulos, Anastasios; Roos, Kristine; Li, Tianyi; Kramer, Stav; Li, Zhong; Velthut-Meikas, Agne *Reproductive toxicology* 2023 / art. 108393, 13 p. : ill <https://doi.org/10.1016/j.reprotox.2023.108393> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Indole-like Trk receptor antagonists**

Tammiku-Taul, Jaana; Park, Rahel; Jaanson, Kaur; Luberg, Kristi; Dobchev, Dimitar Atanasov; Kananovich, Dzmitry; Noole, Artur; Mandel, Merle; Kaasik, Allen; Lopp, Margus; Timmusk, Tõnis; Karelson, Mati *European journal of medicinal chemistry* 2016 / p. 541-552 : ill <https://doi.org/10.1016/j.ejmech.2016.06.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of gemcitabine chemotherapy on the microbiota of pancreatic cancer xenografted mice**

Panebianco, Concetta; **Adamberg, Kaarel; Jaagura, Madis; Adamberg, Signe; Kolk, Kaia; Vilu, Raivo**; Andriulli, Angelo; Paziienza, Valerio *Cancer chemotherapy and pharmacology* 2018 / p. 773–782 : ill <https://doi.org/10.1007/s00280-018-3549-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The mechanisms of actions of aldosterone and its antagonists in cardiovascular disease**

Pantelidis, Panteleimon; Sideris, Michail; **Viigimaa, Margus**; Avranas, Konstantinos; Deligkaris, Pavlos; Zografou, Ioanna; Lovic, Dragan *Current Pharmaceutical Design* 2018 / p. 5491 - 5499 <https://doi.org/10.2174/1381612825666190215100502> [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](#)

### **Natural water as the test medium for Ag and CuO nanoparticle hazard evaluation : an interlaboratory case study**

Heinlaan, Margit; **Muna, Marge**; Knöbel, Melanie *Environmental pollution* 2016 / p. 689-699 : ill <https://doi.org/10.1016/j.envpol.2016.06.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **New horizons in the pathogenesis, pathophysiology and treatment of familial hypercholesterolaemia**

**Viigimaa, Margus; Heinsar, Silver**; Lovic, Dragan; Katsimardou, Alexandra; Piperidou, Alexia; **Duishvili, Davit** *Current pharmaceutical design* 2018 / p. 3599-3604 <https://doi.org/10.2174/1381612824666181009105305> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **N-substituted arylhydroxamic acids as acetylcholinesterase reactivators**

**Bondar, Denys; Kapitanov, Illia**; Pulkabkova, Lenka; Soukup, Ondrej; Jun, Daniel; Botelho, Fernanda D.; Franca, Tanos C.C.; Kuca, Kamil; **Karpichev, Yevgen** *Chemico-Biological Interactions* 2022 / art. 110078, 13 p. : ill <https://doi.org/10.1016/j.cbi.2022.110078> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optical method and biochemical source for the assessment of the middle-molecule uremic toxin $\beta$ 2-microglobulin in spent dialysate**

**Paats, Joosep**; Adoberg, Annika; **Arund, Jürgen; Fridolin, Ivo; Lauri, Kai**; Leis, Liisi; **Luman, Merike; Tanner, Risto** *Toxins* 2021 / art. 255, 15 p. : ill <https://doi.org/10.3390/toxins13040255> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Oviduct as a sensor of embryo quality: deciphering the extracellular vesicle (EV)-mediated embryo-maternal dialogue**

Dissanayake, Keerthie; Nõmm, Monika; Lättekivi, Freddy; Ord, James; Ressaissi, Yosra; Godakumara, Kasun; Viil, Janeli; Jääger, Kersti; **Velthut-Meikas, Agne**; Salumets, Andres *Journal of molecular medicine* 2021 / p. 685–697 : ill <https://doi.org/10.1007/s00109-021-02042-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pb-210 and Po-210 atmospheric releases via fly ash from oil shale-fired power plants**

Vaasma, Taavi; **Loosaar, Jüri**; Gyakwaa, Francis; Kiisk, Madis; Özden, Banu; Tkaczyk, Alan Henry *Environmental pollution* 2017 / p. 210-218 : ill <https://doi.org/10.1016/j.envpol.2016.12.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Phytochemical screening and antioxidant activity of selected Estonian *Galium* species**

**Laanet, Pille-Riin**; Saar-Reismaa, Piret; **Jõul, Piia; Bragina, Olga; Vaher, Merike** *Molecules* 2023 / art. 2867 <https://doi.org/10.3390/molecules28062867> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Polypeptide self-assembled nanoparticles as delivery systems for polymyxins B and E**

Iudin, D.; Zashikhina, N.; Demyanova, E.; Korzhikov-Vlakh, V.; Shcherbakova, E.; **Boroznjak, Roman**; Tarasenko, I.; Zakharova, N.; Lavrentieva, A.; Skorik, Y.; Korzhikova-Vlakh, E. *Pharmaceutics* 2020 / art. 868, 20 p. : ill <https://doi.org/10.3390/pharmaceutics12090868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

### **Putative adverse outcome pathways for female reproductive disorders to improve testing and regulation of chemicals**

Johansson, Hanna K. L.; Damdimopoulou, Pauliina; Jääger, Kersti; **Velthut-Meikas, Agne** *Archives of toxicology* 2020 / p. 3359–3379 <https://doi.org/10.1007/s00204-020-02834-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The role of DNA methyltransferase activity in cocaine treatment and withdrawal in the nucleus accumbens of mice**



Urb, Mari; Niinep, Kerly; Matsalu, Terje; Kipper, Karin; Herodes, Koit; Zharkovsky, Alexander; **Timmusk, Tõnis**; Anier, Kaili; Kalda, Anti *Addiction Biology* 2020 / art. e12720 <https://doi.org/10.1111/adb.12720> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Screening mold colonies by using two toxicity assays revealed indoor strains of *Aspergillus calidoustus* producing Ophiobolins G and K**

Salo, Marja Johanna; Marik, Tamas; Bencsik, Ottó; Mikkola, Raimo; Kredics, Laszlo; Szekeres, András; Andersson, Maria A.; Salonen, Heidi; **Kurnitski, Jarek** *Toxins* 2019 / art. 683, 16 p. : ill <https://doi.org/10.3390/toxins11120683> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Selective C-alkylation of substituted naphthols under non-aqueous conditions**

Kooli, Anni; Shalima, Tatsiana; Lopusanskaja, Eleana; Paju, Anne; Lopp, Margus *Tetrahedron* 2021 / art. 132278, 8 p. : ill <https://doi.org/10.1016/j.tet.2021.132278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Self-assembly of chiral cyclohexanohemicucurbit[n]urils with bis(Zn porphyrin): size, shape, and time-dependent binding**

Šakarašvili, Marko; Ustrnul, Lukas; Suut, Elina; Nallaparaju, Jagadeesh Varma; Mishra, Kamini Atindrakumar; Konrad, Nele; Adamson, Jasper; **Borovkov, Victor**; Aav, Riina *Molecules* 2022 / art. 937, 13 p. : ill <https://doi.org/10.3390/molecules27030937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Self-reproduction and doubling time limits of different cellular subsystems**

Abner, Kristo; Šverns, Peter; Arold, Janar; Morell, Indrek; Lints, Taivo; Medri, Sander; Seiman, Andrus; Adamberg, Kaarel; Vilu, Raivo *npj systems biology and applications* 2023 / art. 44, 10 p. : ill <https://doi.org/10.1038/s41540-023-00306-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Skin surface protein detection by transdermal analysis patches in pediatric psoriasis**

Schaap, Mirjam J.; Bruins, Finola M.; He, Xuehui; **Orro, Kadri**; Peppelman, Malou; Van Erp, Piet E. J.; De Jong, Elke M. G. J.; Koenen, Hans J. P. M.; Van Den Bogaard, Ellen H.; Seyger, Marieke M. B. *Skin Pharmacology and Physiology* 2021 / p. 271 - 280 <https://doi.org/10.1159/000516110> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable ionic liquids-based molecular platforms for designing acetylcholinesterase reactivators**

Kapitanov, Illia; Karpichev, Yevgen; Gathergood, Nicholas; Spulak, Marcel; Pour, Milan; Soukup, Ondrej; Marek, Jan; Jun, Daniel; Novak, Martin; Diz de Almeida, Joyce S. F.; Costa Franca, Tanos C.; Kuca, Kamil *Chemico-Biological Interactions* 2023 / art. 110735 <https://doi.org/10.1016/j.cbi.2023.110735> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Sustainable phenylalanine-derived sails for solubilization of polycyclic aromatic hydrocarbons**

Kapitanov, Illia; Sudheer, Surya; Yadav, Toshikee; Ghosh, Kallol K.; Gathergood, Nicholas; **Gupta, Vijai Kumar**; Karpichev, Yevgen *Molecules* 2023 / art. 4185 : ill <https://doi.org/10.3390/molecules28104185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Synthesis, in silico and in vitro evaluation of novel oxazolopyrimidines as promising anticancer agents**

Velihina, Yevheniia; Scattolin, Thomas; **Bondar, Denys** *Helvetica chimica acta* 2020 / art. e2000169, 14 p. : ill <https://doi.org/10.1002/hlca.202000169> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The effect of surface charge and pH on the physiological behaviour of cobalt, copper, manganese, antimony, zinc and titanium oxide nanoparticles in vitro**

Titma, Tiina *Toxicology in vitro* 2018 / p. 11-21 : ill <https://doi.org/10.1016/j.tiv.2018.02.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The use of anhydrous barium hydroxide for selective alkylation of dialkyloxy-tert-butyl-calix[4]arenes**

Yesypenko, Oleksandr A.; **Trybrat, Oleksandr O.**; Kalchenko, Vitaly I. *Molecules* 2023 / art. 1089, 10 p. : ill <https://doi.org/10.3390/molecules28031089> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Towards ortho-selective electrophilic substitution/addition to phenolates in anhydrous solvents**

Lopusanskaja, Eleana; Kooli, Anni; Paju, Anne; Järving, Ivar; Lopp, Margus *Tetrahedron* 2021 / art. 131935, 9 p <https://doi.org/10.1016/j.tet.2021.131935> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Towards the total synthesis of 9,11-secoesterol: Linking A,B- and D-rings with Michael addition to sulfone-activated cyclopentenone**

Kõllo, Marek; Rõuk, Kristi; Järving, Ivar; Pehk, Tõnis; Lopp, Margus *Tetrahedron* 2023 / art. 133363 : ill <https://doi.org/10.1016/j.tet.2023.133363> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Treatment with paracetamol can interfere with the intradialytic optical estimation in spent dialysate of uric acid but not of indoxyl sulfate**

Adoberg, Annika; **Paats, Joosep**; Arund, Jürgen; Dhondt, Annemieke; Fridolin, Ivo; Glorieux, Griet; Holmar, Jana; Lauri, Kai; Leis, Liisi; Luman, Merike; Pilt, Kristjan; Uhlin, Nils Fredrik Arne; Tanner, Risto *Toxins* 2022 / art. 610 <https://doi.org/10.3390/toxins14090610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Usage of bacterial artificial chromosomes for studying BDNF gene regulation in primary cultures of cortical neurons and astrocytes**

Jaanson, Kaido; Pärn, Angela; **Timmusk, Tõnis** Brain-derived neurotrophic factor (BDNF) 2019 / p. 13-25

[https://doi.org/10.1007/7657\\_2018\\_10](https://doi.org/10.1007/7657_2018_10) Conference proceedings at Scopus Article at Scopus