

Capillary electrophoresis with led-induced native fluorescence detection for determination of isoquinoline alkaloids and their cytotoxicity in extracts of Chelidonium majus L.

Kulp, Maria; Bragina, Olga; Kogerman, Priit; Kaljurand, Mihkel Journal of chromatography A 2011 / p. 5298-5304 : ill

Capillary electrophoretic study of the synergistic biological effects of alkaloids from Chelidonium majus L. in normal and cancer cells

Kulp, Maria; Bragina, Olga Analytical and bioanalytical chemistry 2013 / p. 3391-3397 : ill <https://doi.org/10.1007/s00216-013-6755-y>
[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](#)

Directional Approach to Enantiomerically Enriched Functionalized [7]Oxa-helicenoids and Groove-Based Selective Cyanide Sensing

Khose, Vaibhav N.; Hasan, Mohammed; Khot, Sushil C.; Mobin, Shaikh M.; Borovkov, Victor; Karnik, Anil V. Journal of organic chemistry 2019 / p. 1847-1860 : ill <https://doi.org/10.1021/acs.joc.9b02100>

A dual colour FISH method for routine validation of sexed Bos taurus semen

Reinsalu, Olavi; Scheler, Ott; Mikelsaar, Ruth; Mikelsaar, Aavo-Valdur; Hallap, Triin; Jaakma, Ülle; Padrik, Peeter; Kavak, Ants; Salumets, Andres; Kurg, Ants BMC Veterinary Research 2019 / art. 104 <https://doi.org/10.1186/s12917-019-1839-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic fluorescence penicillin biosensor for on-line monitoring of benzylpenicillin hydrolysis

Käär, Arvo; Kasche, V.; Renken, E.; Schietke, G. Tallinna Tehnikaülikooli Toimetised 1991 / lk. 12-22: ill

Fluorescence spectra of proteins adsorbed to different chromatographic adsorbent (affinity, ion exchange, hydrophobic)

Käär, Arvo; Renken, E.; Kasche, V. Third international conference on fundamentals of adsorption, May 5 - 9, 1989, Sonthofen, Germany 1991 / p. [?]

Fluorescence-based NAPH-biosensors for the measurement of lactate and glutamate

Käär, Arvo; Renken, E.; Radtke, C.; Schietke, G.; Kasche, V. 5th European Congress on Biotechnology : abstract book, Copenhagen, 1990 1990

Free pentosidine assessment based on fluorescence measurements in spent dialysate

Kalle, Sigrid; Tanner, Risto; Luman, Merike; Fridolin, Ivo Blood Purification 2019 / p. 85-93 <https://doi.org/10.1159/000493522>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interference of low-molecular substances with the thioflavin-T fluorescence assay of amyloid fibrils

Noormägi, Andra; Primar, Kateryna; Tõugu, Vello; Palumaa, Peep Journal of peptide science 2012 / p. 59-64 : ill
<https://pubmed.ncbi.nlm.nih.gov/22083646/>

Microfluidic production, stability and loading of synthetic giant unilamellar vesicles

Ernits, Mart; Reinsalu, Olavi; Yandrapalli, Naresh; Kopanchuk, Sergei; Moradpur-Tari, Ehsan; Sanka, Immanuel; Scheler, Ott; Rinken, Ago; Kurg, Reet; Kyritsakis, Andreas Scientific reports 2024 / art. 14071, 8 p. : ill <https://doi.org/10.1038/s41598-024-64613-4>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecular interactions between novel synthesized biodegradable ionic liquids with antidepressant drug

Banjare, Manoj Kumar; Behera, Kamalakanta; Banjare, Ramesh Kumar; Pandey, Siddharth; Ghosh, Kallol K.; Karpichev, Yevgen Chemical Thermodynamics and Thermal Analysis 2021 / art. 100012, 12 p <https://doi.org/10.1016/j.ctta.2021.100012>

New optical method for estimation of protein bound uremic toxins elimination

Holmar, Jana; Arund, Jürgen; Uhlin, Fredrik; Tanner, Risto; Fridolin, Ivo World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2013 / p. 71-74 https://doi.org/10.1007/978-3-642-29305-4_20 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Noble metal nanoparticles for improvement of fluorescent and photovoltaic materials

Dolgov, Leonid; Oja Acik, Ilona; Mere, Arvo; Krunks, Malle; Mikli, Valdek The international summer school "Nanotechnology: from fundamental research to innovations" and International research and practice conference "Nanotechnology and nanomaterials" (NANO-2013), 25 August-1 September, 2013, Bukovel, Ukraine : book of abstracts 2013 / p. 352

Optical method and biochemical source for the assessment of the middle-molecule uremic toxin β 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](#)

An optical method for serum calcium and phosphorus level assessment during Hemodialysis

Holmar, Jana; Uhlin, Fredrik; Fernström, Anders; **Luman, Merike;** Jankowski, Joachim; **Fridolin, Ivo** *Toxins* 2015 / p. 719-727
<https://doi.org/10.3390/toxins7030719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of signals of biosensors based on pH-dependent fluorescence changes

Käärd, Arvo; Renken, E.; Kasche, V. *Biochemical engineering, environmental biotechnology, recovery of bio-products, safety in biotechnology* 1989 / p. [?]

Physicochemical Properties Predict Retention of Antibiotics in Water-in-Oil Droplets

Ruszcak, 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](#)

Portable fully automated oral fluid extraction device for illegal drugs

Ružicka, Martin; Kaljurand, Mihkel; Gorbatošova, Jelena; Vaher, Merike; Mazina-Šinkar, Jekaterina *Talanta* 2022 / art. 123389
<https://doi.org/10.1016/j.talanta.2022.123389> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Principles of signal generation and of coupling to optical fibres: Dynamic fluorescence biosensors

Käärd, Arvo; Kasche, V.; Renken, E. *Biosensors. Applications in medicine, environmental protection and process control* 1989 / p. [?]

Qualitative detection of illegal drugs (cocaine, heroin and MDMA) in seized street samples based on SFS data and ANN : validation of method

Mazina, Jekaterina; Aleksejev, Valeri; Mkina, Tatjana; **Kaljurand, Mihkel;** Poryvkina, Larisa *Journal of chemometrics* 2012 / p. 442-455 : ill
https://www.academia.edu/25357220/Qualitative_detection_of_illegal_drugs_cocaine_heroin_and_MDMA_in_seized_street_samples_based_on_SFS_data_and_ANN_validation_of_method

Removal of Urea, beta 2-Microglobulin, and Indoxyl Sulfate Assessed by Absorbance and Fluorescence in the Spent Dialysate During Hemodialysis

Lauri, Kai; Arund, Jürgen; Holmar, Jana; Tanner, Risto; Kalle, Sigrid; Luman, Merike; Fridolin, Ivo *Asaio journal* 2020 / p. 695–705 <https://doi.org/10.1097/MAT.0000000000001058> [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](#)

Statistical Analysis of Fluorescence Intensity Transients with Bayesian Methods

Karimi, Hamed; **Laasmaa, Martin;** Pihlak, Margus; **Vendelin, Marko** *Science Advances* 2025

The effect of surface treatment on the antibacterial properties of wood and the possibility to detect the antibacterially 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>

Two-photon spectroscopy as a new quantitative protonation probe = Kahefotoonne neeldumisspektroskoopia kui uus kvantitatiivne protoneerimise sond

Rammo, Matt 2023 <https://doi.org/10.23658/taltech.21/2023> <https://digikogu.taltech.ee/et/Item/f9c53f09-f44d-431c-9c3d-5858e514a3a4>
https://www.eester.ee/record=b5560469*est

Use of a newly-developed portable capillary electrophoresis analyser to detect drugs of abuse in oral fluid: A case study

Saar-Reismaa, Piret; Brilla, Chelsa-Ann; **Leiman, Kristiina; Kaljurand, Mihkel; Vaher, Merike; Kulp, Maria; Mazina-Šinkar, Jekaterina** *Talanta* 2020 / art. 120662, 9 p <https://doi.org/10.1016/j.talanta.2019.120662> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Флуоресцентный pH-биосенсор для контроля биотехнического гидролиза пенициллина. Оптимизация измерения сигнала пенициллина

Käärd, Arvo; Швелленбах А.; Каше В.; Renken, E. *Журнал аналитической химии* 1993 / 2, с. 306-312