

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/>

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; Krunk, 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

Käär, 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

Ruszczak, 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; Vahe, 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

Käär, 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; Alekseev, 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 antibacterality 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.ester.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; Vahe, 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

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