

Publikace vydané v roce 2023

Stav ke dni: 18. 12. 2023

**Alexa, Lukáš - Mikuška, Pavel**

Optimisation of preconcentration for determination of dicarboxylic acids using ion chromatography.

*International Journal of Environmental Analytical Chemistry*. Roč. 103, č. 16 (2023), s. 4049-4060. ISSN 0306-7319. E-ISSN 1029-0397

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 2.600, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1080/03067319.2021.1921760](https://doi.org/10.1080/03067319.2021.1921760)

<http://hdl.handle.net/11104/0320110>

**Alexa, Lukáš - Čmelíková, D. - Cigánková, Hana - Mikuška, Pavel**

Simultaneous online determination of nitric acid and nitrates in ambient air.

*Sborník konference České aerosolové společnosti*. Praha: Česká aerosolová společnost, z.s., 2023 - (Suchánková, L.), s. 33-34. ISBN 978-80-908653-1-0.

[Výroční konference České aerosolové společnosti /22./, Čeladná (CZ), 13.11.2023-14.11.2023]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0347247>

**Aranda-Merino, N. - Kubáň, Pavel**

Simultaneous determination of thymine, uracil and 5-fluorouracil in human plasma samples by hollow fiber liquid phase microextraction at-line coupled with capillary electrophoresis.

*Extech 2023 Tenerife : 25th International Symposium on Advances in Extraction Technologies*. University of La Laguna, 2023. P-45.

[International Symposium on Advances in Extraction Technologies /25./, 18.07.2023-21.07.2023, Tenerife]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0344325>

**Astier, Y. - Berka, J. - Datinská, Vladimíra - Foret, František - Schlecht, U. - Voráčová, Ivona**

Devices for sample analysis using epitachophoresis.

2023. **Vlastník:** Roche Sequencing Solutions Inc., Institute of Analytical Chemistry CAS, v. v. i. **Číslo patentu:** EP3710820

**Obor OECD:** Analytical chemistry

<https://register.epo.org/application?number=EP18804263>

<https://hdl.handle.net/11104/0342441>

**Baranová, Barbora - Kráľová, Zuzana - Svoboda, Milan - Suchopár, Vít - Burhenn, S. - Brandt, S. - Franzke, J. - Kratzer, Jan**

Next generation of dielectric barrier discharge hydride atomizers for atomic absorption spectrometry: A case study on Pb, Bi, Se and Te.

*Spectrochimica Acta Part B: Atomic Spectroscopy*. Roč. 199, JAN (2023), č. článku 106577.  
ISSN 0584-8547. E-ISSN 1873-3565

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 3.300, rok: 2022

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[DOI: 10.1016/j.sab.2022.106577](https://doi.org/10.1016/j.sab.2022.106577)  
<https://hdl.handle.net/11104/0336818>

**Bobálová, Janette - Strouhalová, Dana - Bobál, P.**

Common Post-translational Modifications (PTMs) of Proteins: Analysis by Up-to-Date Analytical Techniques with an Emphasis on Barley.

*Journal of Agricultural and Food Chemistry*. Roč. 71 (2023), s. 14825-14837. ISSN 0021-8561. E-ISSN 1520-5118

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 6.100, rok: 2022

**Způsob publikování:** Open access

<https://pubs.acs.org/doi/10.1021/acs.jafc.3c00886>

[DOI: 10.1021/acs.jafc.3c00886](https://doi.org/10.1021/acs.jafc.3c00886)  
<https://hdl.handle.net/11104/0346153>

**Bobálová, Janette - Smolková, Denisa - Strouhalová, Dana - Čmelík, Richard - Lavická, Jana**

Optimization of glycoproteomic protocol for efficient and sensitive analysis of N-Linked glycans by CE/LIF.

*CECE 2023. 18th International Interdisciplinary Meeting on Bioanalysis*. Brno: Ústav analytické chemie AV ČR, v. v. i., 2023. s. 44-44. ISBN 978-80-908154-0-7.

[CECE 2023. International Interdisciplinary Meeting on Bioanalysis /18./ 23.10.2023-25.10.2023, Brno]

**Obor OECD:** Analytical chemistry

[https://www.ce-ce.org/user\\_uploads/CECE\\_2023/CECE%202023%20Proceedings.pdf](https://www.ce-ce.org/user_uploads/CECE_2023/CECE%202023%20Proceedings.pdf)

<https://hdl.handle.net/11104/0346743>

**Brandmeier, J. C. - Jurga, N. - Grzyb, T. - Hlaváček, Antonín - Obořilová, R. - Skládal, P. - Farka, Z. - Gorris, H. H.**

Digital and Analog Detection of SARS-CoV-2 Nucleocapsid Protein via an Upconversion-Linked Immunosorbent Assay.

*Analytical Chemistry*. Roč. 95, č. 10 (2023), s. 4753-4759. ISSN 0003-2700. E-ISSN 1520-6882

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 7.400, rok: 2022

**Způsob publikování:** Open access

<https://pubs.acs.org/doi/pdf/10.1021/acs.analchem.2c05670>

[DOI: 10.1021/acs.analchem.2c05670](https://doi.org/10.1021/acs.analchem.2c05670)  
<https://hdl.handle.net/11104/0341909>

**Brtko, J. - Macejová, D. - Toporová, L. - Strouhalová, Dana - Bobálová, Janette**

Účinky all-trans a 9-cis retinových kyselin alebo ich kombinácie na expresiu podtypov

nukleárných retinoidných a rexinoidných receptorov a na proteínový profil v ľudskej bunkovej línii nádoru prsníka MCF-7.

*Farmakodny Plzeň. Sborník Abstrakt. Česká společnost pro experimentální a klinickou farmakologii a toxikologii ČLS JEP, 2023. s. 52-52.*

[Farmakodny Plzeň : Česko-Slovenské farmakologické dny /71./ 14.06.2023-16.06.2023, Plzeň]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0343616>

**Burdějová, Lenka - Tobolková, B. - Polovka, M. - Neugebauerová, J.**

Differentiation of Medicinal Plants According to Solvents, Processing, Origin, and Season by Means of Multivariate Analysis of Spectroscopic and Liquid Chromatography Data.

*Molecules*. Roč. 28, č. 10 (2023), č. článku 4075. E-ISSN 1420-3049

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 4.600, rok: 2022

**Způsob publikování:** Open access

<https://www.mdpi.com/1420-3049/28/10/4075>

[DOI: 10.3390/molecules28104075](https://doi.org/10.3390/molecules28104075)

<https://hdl.handle.net/11104/0343534>

**Burdějová, Lenka - Dadajová, Pavlína - Duša, Filip**

Characterization of fluorescent proteins extracted from spirulina using capillary isoelectric focusing with laser induced fluorescence detection.

*ITP 2023. Abstracts*. 2023. s. 138-138.

[International Symposium on Electro- and Liquid-Phase Separation Techniques /29./ ITP 2023. 13.09.2023-17.09.2023, San Felice Circeo]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0345909>

**Burhenn, S. - Held, J. - Brandt, S. - Kratzer, Jan - Golda, J.**

Optical characterization of a co-planar dielectric barrier discharge as plasma source for element detection in analytical chemistry.

*25th International Symposium on Plasma Chemistry (ISPC25)*. Kyoto: International Plasma Chemistry Society (IPCS), 2023, s. 1-3, č. článku 4-P-304. ISBN 978-4-900986-25-1.

[International Symposium on Plasma Chemistry /25./ Kyoto (JP), 21.05.2023-26.05.2023]

**Obor OECD:** Analytical chemistry

<https://www.ispc25.com/>

<https://hdl.handle.net/11104/0343245>

**Buszewski, B. - Blonska, D. - Klodzinska, E. - Konop, M. - Kubesová, Anna - Šalplachta, Jiří**

Determination of Pathogens by Electrophoretic and Spectrometric Techniques.

*Critical Reviews in Analytical Chemistry*. JUN (2023). ISSN 1040-8347. E-ISSN 1547-6510

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 5.000, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1080/10408347.2023.2219748](https://doi.org/10.1080/10408347.2023.2219748)

<https://hdl.handle.net/11104/0343826>

**Coufalík, Pavel - Zvěřina, O. - Sádovská, K. - Komárek, J.**

UV-photochemical vapor generation coupled to hydride generation AAS in the study of dietary intake of Se, Hg, Cd, and Pb from fish.

*Journal of Food Composition and Analysis*. Roč. 124 (2023), č. článku 105668. ISSN 0889-1575. E-ISSN 1096-0481

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 4.300, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1016/j.jfca.2023.105668](https://doi.org/10.1016/j.jfca.2023.105668)

<https://hdl.handle.net/11104/0345361>

**Čmelík, Richard - Smolková, Denisa - Greguš, M. - Veselý, H. - Pížová, H. - Bobál, P. - Lavická, Jana**

BODIPY-based Fluorescent Tag for Efficient Oligosaccharide Labeling.

*CECE 2023. 18th International Interdisciplinary Meeting on Bioanalysis*. Brno: Ústav analytické chemie AV ČR, v. v. i., 2023. s. 46-46. ISBN 978-80-908154-0-7.

[CECE 2023. International Interdisciplinary Meeting on Bioanalysis /18./ 23.10.2023-25.10.2023, Brno]

**Obor OECD:** Analytical chemistry

[https://www.ce-ce.org/user\\_uploads/CECE\\_2023/CECE%202023%20Proceedings.pdf](https://www.ce-ce.org/user_uploads/CECE_2023/CECE%202023%20Proceedings.pdf)

<https://hdl.handle.net/11104/0346350>

**da Silva Coelho Junior, Gilberto - Kratzer, Jan - Dědina, Jiří**

Plasma mediated vapor generation by dielectric barrier discharge: An arsenic study using AAS.

*Book of Abstracts and Scientific Program. 16th Rio Symposium on Atomic Spectrometry*. 2023. s. 68-68.

[Rio Symposium on Atomic Spectrometry /16./ 28.11.2023-30.11.2023, Bento Gonçalves]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0348342>

**da Silva Coelho Junior, Gilberto - Borges, D. L. G. - Svoboda, Milan - Dědina, Jiří - Kratzer, Jan**

Plasma-mediated vapor generation of mercury species in a dielectric barrier discharge: Direct analysis in a single drop by atomic absorption spectrometry.

*Spectrochimica Acta Part B: Atomic Spectroscopy*. Roč. 200, FEB (2023), č. článku 106596. ISSN 0584-8547. E-ISSN 1873-3565

**Impakt faktor:** 3.300, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1016/j.sab.2022.106596](https://doi.org/10.1016/j.sab.2022.106596)

<https://hdl.handle.net/11104/0337306>

**Dadajová, Pavlína - Duša, Filip - Moravcová, Dana - Šlais, Karel**

Low-molecular-mass fluorescent isoelectric focusing markers suitable for the effective tracking of pH gradient.

*ITP 2023. Abstracts*. 2023. s. 114-114.

[International Symposium on Electro- and Liquid-Phase Separation Techniques /29./ ITP

2023. 13.09.2023-17.09.2023, San Felice Circeo]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0345897>

**Dědina, Jiří**

Hydride generation atomic fluorescence spectrometry - searching for minimum detection limits.

*II Workshop on Bioanalytical Chemistry*. Pelotas: University of Pelotas (UFPel), 2023. s. 1-2.

[Workshop on Bioanalytical Chemistry /2./ 02.12.2023, Pelotas]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0348335>

**Dosedělová, Věra - Kubáň, Petr**

Gold Nanoparticles—From Synthesis to Extraction of Biological Thiols and CE-LIF Analysis.

*Separations*. MDPI. Roč. 10, č. 109 (2023), s. 76-77. E-ISSN 2297-8739.

[APCE-CECE-ITP-IUPAC 2022. 06.11.2022-10.11.2022, Angkor Wat]

**Obor OECD:** Analytical chemistry

<https://www.mdpi.com/2297-8739/10/2/109>

[DOI: 10.3390/separations10020109](https://doi.org/10.3390/separations10020109)

<https://hdl.handle.net/11104/0339567>

**Dosedělová, Věra - Laštovičková, Markéta - Dolina, J. - Konečný, Š. - Kubáň, Petr ...**

celkem 6 autorů

UHPLC-MS Analysis of Salivary Bile Acids in Non-Invasive Diagnostics of Barrett's Esophagus.

*CECE 2023. 18th International Interdisciplinary Meeting on Bioanalysis*. Brno: Ústav analytické chemie AV ČR, v. v. i., 2023. s. 47-47. ISBN 978-80-908154-0-7.

[CECE 2023. International Interdisciplinary Meeting on Bioanalysis /18./ 23.10.2023-25.10.2023, Brno]

**Obor OECD:** Analytical chemistry

[https://www.ce-ce.org/user\\_uploads/CECE\\_2023/CECE%202023%20Proceedings.pdf](https://www.ce-ce.org/user_uploads/CECE_2023/CECE%202023%20Proceedings.pdf)

<https://hdl.handle.net/11104/0346748>

**Douillet, Ch. - Miller, M. - Cable, P. H. - Shi, Q. - El-Masri, H. - Matoušek, Tomáš - Koller, B. H. - Thomas, D. J. - Stýblo, M.**

Fate of arsenicals in mice carrying the human AS3MT gene exposed to environmentally relevant levels of arsenite in drinking water.

*Scientific Reports*. Roč. 13, č. 1 (2023), č. článku 3660. ISSN 2045-2322. E-ISSN 2045-2322

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 4.600, rok: 2022

**Způsob publikování:** Open access

<https://www.nature.com/articles/s41598-023-30723-8>

[DOI: 10.1038/s41598-023-30723-8](https://doi.org/10.1038/s41598-023-30723-8)

<https://hdl.handle.net/11104/0341145>

**Duša, Filip - Kubesová, Anna - Šalplachta, Jiří - Moravcová, Dana**

Capillary isoelectric focusing-The role of markers of isoelectric point and recent applications

in the field.

*TrAC-Trends in Analytical Chemistry*. Roč. 162, MAY (2023), č. článku 117018. ISSN 0165-9936. E-ISSN 1879-3142

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 13.100, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1016/j.trac.2023.117018](https://doi.org/10.1016/j.trac.2023.117018)  
<https://hdl.handle.net/11104/0342538>

**Dvořák, Miloš - Ryšavá, Lenka - Moravčík, Ondrej - Aranda-Merino, N. - Kubáň, Pavel**  
Automated Analyses of Dried Blood Spots by Capillary Electrophoresis.

*CECE 2023. 18th International Interdisciplinary Meeting on Bioanalysis*. Brno: Ústav analytické chemie AV ČR, v. v. i., 2023. s. 28-28. ISBN 978-80-908154-0-7.

[CECE 2023. International Interdisciplinary Meeting on Bioanalysis /18./ 23.10.2023-25.10.2023, Brno]

**Obor OECD:** Analytical chemistry

[https://www.ce-ce.org/user\\_uploads/CECE\\_2023/CECE%202023%20Proceedings.pdf](https://www.ce-ce.org/user_uploads/CECE_2023/CECE%202023%20Proceedings.pdf)  
<https://hdl.handle.net/11104/0346678>

**Dvořák, Miloš - Moravčík, Ondrej - Kubáň, Pavel**

Capillary Electrophoresis with Interchangeable Cartridges for Versatile and Automated Analyses of Dried Blood Spot Samples.

*Analytical Chemistry*. Roč. 95, č. 31 (2023), s. 11823-11830. ISSN 0003-2700. E-ISSN 1520-6882

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 7.400, rok: 2022

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[DOI: 10.1021/acs.analchem.3c02474](https://doi.org/10.1021/acs.analchem.3c02474)  
<https://hdl.handle.net/11104/0344607>

**Dvořák, Miloš - Maršala, R. - Kubáň, Pavel**

In-vial dried urine spot collection and processing for quantitative analyses.

*Analytica Chimica Acta*. Roč. 1254, MAY (2023), č. článku 341071. ISSN 0003-2670. E-ISSN 1873-4324

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 6.200, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1016/j.aca.2023.341071](https://doi.org/10.1016/j.aca.2023.341071)  
<https://hdl.handle.net/11104/0341940>

**Dvořák, P. - Mrkvičková, M. - Kratzer, Jan - Velásquez, F. V.**

Laser induced fluorescence and laser absorption measurements for the diagnostics of hydride atomizers.

*25th International Symposium on Plasma Chemistry (ISPC25)*. Kyoto: International Plasma Chemistry Society (IPCS), 2023, s. 1-3, č. článku POS-4-110. ISBN 978-4-900986-25-1.

[International Symposium on Plasma Chemistry /25./ Kyoto (JP), 21.05.2023-26.05.2023]

**Obor OECD:** Analytical chemistry

<https://www.ispc25.com/>  
<https://hdl.handle.net/11104/0343243>

**Edthofer, A. - Novotný, Jakub - Lenshof, A. - Laurell, T. - Baasch, T.**

Acoustofluidic Properties of Polystyrene Microparticles.

*Analytical Chemistry*. JUN (2023). ISSN 0003-2700. E-ISSN 1520-6882

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 7.400, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1021/acs.analchem.3c01156](https://doi.org/10.1021/acs.analchem.3c01156)  
<https://hdl.handle.net/11104/0343907>

**Figueroa, Adrián García - Musil, Stanislav - Matoušek, Tomáš**

Novel automated non-chromatographic method for the speciation analysis of tellurium in natural water at relevant sub ng L<sup>-1</sup> concentrations.

*Book of Abstract (ICOBTE) & (ICHMET) 2023*. Wuppertal: Bergische Universität Wuppertal, 2023. Special Session 5: 85180, s. 236-236.

[First Joint International Conference of Biogeochemistry of Trace Elements (ICOBTE) & International Conference of Heavy Metals (ICHMET). 06.09.2023-10.09.2023, Wuppertal]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0345303>

**Filella, M. - Matoušek, Tomáš - García Figueroa, Adrian - Barešová, Magdalena - Prokopová, Michaela - Pivokonský, Martin**

Application of new state-of-the-art HG-ICP-MS/MS methods for (sub)ppt speciation analysis of some less studied TCEs (Ge, Sb and Te) in natural waters.

*ISEAC 41 : International Conferences on Environmental & Food Monitoring*. 2023. s. 108-108.

[International Conferences on Environmental & Food Monitoring /41./. 20.11.2023-24.11.2023, Amsterdam]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0347623>

**Filella, M. - Wey, S. - Matoušek, Tomáš - Coster, M. - Rodriguez-Murillo, J. - Loizeau, J.L.**

Arsenic in Lake Geneva (Switzerland, France): long term monitoring, and redox and methylation speciation in an As unpolluted, oligo-mesotrophic lake.

*Environmental Science - Processes & Impacts*. Roč. 25, FEB (2023), s. 850-869. ISSN 2050-7887. E-ISSN 2050-7895

**Obor OECD:** Analytical chemistry

**Impakt faktor:** 5.500, rok: 2022

**Způsob publikování:** Open access

[DOI: 10.1039/d2em00431c](https://doi.org/10.1039/d2em00431c)  
<https://hdl.handle.net/11104/0342105>

**Filella, M. - Matoušek, Tomáš - García Figueroa, Adrian - Barešová, Magdalena - Prokopová, Michaela - Pivokonský, Martin**

New state-of-the-art HG-ICP-MS/MS methods for (sub)ppt speciation analysis of some less



studied technology-critical elements (Ge, Sb and Te) applied to contrasting freshwaters.  
*Abstract Volume : 21st Swiss Geoscience Meeting*. Bern: Swiss Academy of Sciences, 2023.  
s. 142-142.

[Swiss Geoscience Meeting /21./ 17.11.2023-18.11.2023, Mendrisio]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0347621>

**Foret, František - Lavická, Jana - Příkryl, Jan**

*CECE 2023. 18th International Interdisciplinary Meeting on Bioanalysis.*

Brno: Ústav analytické chemie AV ČR, v. v. i., 2023. 74 s. ISBN 978-80-908154-0-7.

[CECE 2023. International Interdisciplinary Meeting on Bioanalysis /18./ Brno (CZ),  
23.10.2023-25.10.2023]

**Obor OECD:** Analytical chemistry

[https://www.ce-ce.org/user\\_uploads/CECE\\_2023/CECE%202023%20Proceedings.pdf](https://www.ce-ce.org/user_uploads/CECE_2023/CECE%202023%20Proceedings.pdf)

<https://hdl.handle.net/11104/0346516>

**Foret, František - Lavická, Jana - Příkryl, Jan - Kubáň, Petr**

CECE 2023. International Interdisciplinary Meeting on Bioanalysis /18./

[Brno, 23.10.2023-25.10.2023, (K 70/20)]

**Obor OECD:** Analytical chemistry

<http://www.ce-ce.org/>

<https://hdl.handle.net/11104/0346562>

**Foret, František - Voráčová, Ivona - Kocianová, Vanda - Hrušková, Helena**

Epitachophoresis - high-efficiency method for concentration and separation of ionic  
compounds from large-volume samples.

*ITP 2023. Abstracts*. 2023. s. 37-37.

[International Symposium on Electro- and Liquid-Phase Separation Techniques /29./ ITP  
2023. 13.09.2023-17.09.2023, San Felice Circeo]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0345722>

**Foret, František - Voráčová, Ivona - Hrušková, Helena - Kocianová, Vanda - Astier, Y. -  
Datinská, V.**

Unconventional electrophoretic techniques for analyses of proteins and DNA.

*HPLC 2023. Final Program*. Frankfurt am Main: Gesellschaft Deutscher Chemiker e.V.,  
2023 - (Lämmerhofer, M.; Schmitz, O.), č. článku KN02.

[International Symposium on High-Performance Liquid Phase Separations and Related  
Techniques (HPLC 2023) /51./ 18.06.2023-22.06.2023, Duesseldorf]

**Obor OECD:** Analytical chemistry

<https://hdl.handle.net/11104/0343730>

**Gajdosechova, Z. - Palmer, C. - Grinberg, P. - Gedara, I. - Mester, Z. - Pétursdóttir, A. -  
Sim, R. - Raab, A. - Feldmann, J. - Musil, Stanislav - Matoušek, Tomáš - Kubachka, K. -  
Wolle, M. - Wozniak, B. - Springer, S. - Gurleyuk, H.**

Certification of iAs in biological matrices: Why is it taking us so long.

*European Winter Conference on Plasma Spectrochemistry. Book of Abstracts*. EWCPs, 2023.  
s. 29-29.

[European Winter Conference on Plasma Spectrochemistry. 29.01.2023-03.01.2023,  
Ljubljana]



**Obor OECD:** Analytical chemistry  
<https://hdl.handle.net/11104/0340314>

**Gajdosechova, Z. - Grinberg, P. - Kubachka, K. - Wolle, M. - Raab, A. - Feldmann, J. - Sim, R. - Pétursdóttir, Á. H. E. - Matoušek, Tomáš - Musil, Stanislav - Wozniak, B. - Springer, S. - Sadiq, N. W. - Gürleyük, H. - Palmer, C. H. - Pihillagawa Gedara, I. - Mester, Z.**

Determination of inorganic As, DMA and MMA in marine and terrestrial tissue samples: a consensus extraction approach.

2023. *Environmental Chemistry*. Roč. 20, 1-2 (2023), s. 5-17, č. článku EN23006. ISSN 1448-2517. E-ISSN 1449-8979

**Obor OECD:** Analytical chemistry  
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<https://www.publish.csiro.au/en/EN23006>

[DOI: 10.1071/EN23006](https://doi.org/10.1071/EN23006)  
<https://hdl.handle.net/11104/0342776>

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An improved design of the fused silica capillary flow cell for absorbance detection in microcolumn liquid chromatography.

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**Způsob publikování:** Omezený přístup

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**Způsob publikování:** Omezený přístup

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**Způsob publikování:** Open access

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**Obor OECD:** Analytical chemistry

**Impakt faktor:** 13.100, rok: 2022

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A new device for online nanoscale sampling and capillary electrophoresis analysis of plant

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*ITP 2023. Abstracts*. 2023. s. 144-144.

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**Impakt faktor:** 6.200, rok: 2022

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**Impakt faktor:** 3.300, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1016/j.sab.2023.106645](https://doi.org/10.1016/j.sab.2023.106645)  
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2023. **Vlastník:** Ústav analytické chemie AV ČR, v. v. i., Mendelova univerzita v Brně.

**Datum udělení patentu:** 24.02.2023. **Číslo patentu:** EP3710211

**Obor OECD:** Analytical chemistry

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**Impakt faktor:** 4.000, rok: 2022

**Způsob publikování:** Omezený přístup

[DOI: 10.1007/s11130-023-01101-6](https://doi.org/10.1007/s11130-023-01101-6)  
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Biological Production of Gold Nanoparticles at Different Temperatures: Efficiency

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*Particle & Particle Systems Characterization*. (2023), č. článku 2200182. ISSN 0934-0866. E-ISSN 1521-4117

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**Impakt faktor:** 2.700, rok: 2022

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**Způsob publikování:** Open access

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