

Analysis of the degradation products of chemical warfare agents using a portable capillary electrophoresis instrument with various sample injection devices

Makarõtsõeva, Natalja; Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel *Procedia chemistry* 2010 / p. 20-25 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004021>

Automatic spot preparation and image processing of paper microzone-based assays for analysis of bioactive compounds in plant extracts

Vaher, Merike; Borissova, Maria; Seiman, Andrus; Aid, Tiina; Kolde, Helen; Kazarjan, Jana; Kaljurand, Mihkel *Food chemistry* 2014 / p. 465-471 : ill <https://doi.org/10.1016/j.foodchem.2013.08.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Characterization of Estonian honeys by botanical origin

Kivima, Evelin; Seiman, Andrus; Pall, Raili; Sarapuu, Evelyn; Martverk, Kaie; Laos, Katrin *Proceedings of the Estonian Academy of Sciences* 2014 / p. 183-192 : ill https://artiklid.elnet.ee/record=b2673977*est <https://doi.org/10.3176/proc.2014.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cleaning-up dirty isotachopherograms in time and frequency domain

Reijenga, Jetse; **Seiman, Andrus** *NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009* / p. 131

Cleaning-up dirty isotachopherograms in time and frequency domain

Reijenga, Jetse; **Seiman, Andrus** *Procedia chemistry* 2010 / p. 67-75 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004082>

Comprehensive analysis of proteolysis during 8 months of ripening of high-cooked Old Saare cheese

Taivosalo, Anastassia; Kriščiunaite, Tiina; Seiman, Andrus; Part, Natalja; Stulova, Irina; Vilu, Raivo *Journal of dairy science* 2018 / p. 944-967 : ill <https://doi.org/10.3168/jds.2017-12944> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comprehensive analysis of proteolysis in cheese [Online resource]

Taivosalo, Anastassia; Kriščiunaite, Tiina; Seiman, Andrus; Part, Natalja; Stulova, Irina; Vilu, Raivo *Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid]* 2017 / [1] p <http://fntdk.ut.ee/teesid/>

Cross-correlation capillary electrophoresis in unmodified commercial equipment

Seiman, Andrus; Reijenga, Jetse *Procedia chemistry* 2010 / p. 59-66 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004070>

The design of unit cells by combining the self-reproduction systems and metabolic cushioning loads

Abner, Kristo; Šverns, Peter; Arold, Janar; Lints, Taivo; Eller, Neeme-Andreas; Morell, Indrek; Seiman, Andrus; Adamberg, Kaarel; Vilu, Raivo *Communications biology* 2025 / art. 241 <https://doi.org/10.1038/s42003-025-07655-2>

Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins

Valgepea, Kaspar; Adamberg, Kaarel; Seiman, Andrus; Vilu, Raivo *Molecular biosystems* 2013 / p. 2344-2358 : ill
<https://doi.org/10.1039/c3mb70119k> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Escherichia coli achieves faster growth by increasing catalytic and translation rates of proteins

Valgepea, Kaspar; Adamberg, Kaarel; Seiman, Andrus; Vilu, Raivo *TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014* / [1] p

Improving precision of manual hydrodynamic injection in capillary electrophoresis with contactless conductivity detection

Kuban, Petr; **Seiman, Andrus; Kaljurand, Mihkel** *Journal of chromatography A* 2011 / p. 1273-1280 : ill

In situ determination of nerve agents in various matrices by portable capillary electropherograph with contactless conductivity detection

Kuban, Petr; **Seiman, Andrus; Makarõtsõeva, Natalja; Vaher, Merike; Kaljurand, Mihkel** *Journal of chromatography A* 2011 / p. 2618-2625 : ill

Increased biomass yield of Lactococcus lactis by reduced overconsumption of amino acids and increased catalytic activities of enzymes

Adamberg, Kaarel; Seiman, Andrus; Vilu, Raivo *PLoS ONE* 2012 / p. e48223 <https://pubmed.ncbi.nlm.nih.gov/23133574/>

Influence of a stacking phenomenon on the results of Hadamard transform capillary electrophoresis

Seiman, Andrus; Kaljurand, Mihkel; Ebber, Arkadi *Analytica chimica acta* 2007 / p. 71-75 : ill

Keskonnaproovide laboriväline ekstraktsioon ja kapillaarelektroforeetiline analüüs

Kobrin, Eeva-Gerda; Knjazeva, Tatjana; Kuban, Petr; Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 43

Korrelatsioon kapillaarelektroforeesi katsed kasutades modifitseerimata kommertsiaalset instrumenti

Seiman, Andrus; Reijenga, Jetse XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 73

Monitoring of the electroosmotic flow of ionic liquid solutions in non-aqueous media using thermal marks

Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel Journal of chromatography A 2008 / p. 266-273 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S002196730800054X>

Nitritating-anammox biomass tolerant to high dissolved oxygen concentration and C/N ratio in treatment of yeast factory wastewater

Zekker, Ivar; Rikmann, Ergo; Tenno, Toomas; **Seiman, Andrus; Looits, Liis** Environmental technology 2014 / p. 1565-1576 : ill
<https://doi.org/10.1080/09593330.2013.874492> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nutritional requirements and media development for Lactococcus lactis IL1403

Aller, Kadri; Adamberg, Kaarel; Timarova, Veronica; Seiman, Andrus; **Feštšenko, Darja; Vilu, Raivo** Applied microbiology and biotechnology 2014 / p. 5871-5881 : ill <https://doi.org/10.1007/s00253-014-5641-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Options limitations of multiple input capillary electrophoresis in commercial equipment

Seiman, Andrus; Reijenga, Jetse NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 60

Point-of-care analyser based on capillary electrophoresis = Kapillaarelektroforeesil põhinev kaasaskantav analüsaator

Seiman, Andrus 2011 https://www.ester.ee/record=b2692545*est

A portable capillary electropherograph equipped with a cross-sampler and a contactless-conductivity detector for the detection of the degradation products of chemical warfare agents in soil extracts

Seiman, Andrus; Jaanus, Martin; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2009 / p. 507-514 : ill

Portable capillary electrophoresis instrument

Jaanus, Martin; Seiman, Andrus; Vaher, Merike; Makarõtševa, Natalja; Kuuskmäe, Edur; Kaljurand, Mihkel NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 59

Portatiivne kapillaarelektroforeesi aparaat keskkonnareostuse analüüsiks

Knjazeva, Tatjana; Makarõtševa, Natalja; Kobrin, Eeva-Gerda; Helmja, Kati; Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 46

Protein turnover forms one of the highest maintenance costs in Lactococcus lactis

Lahtvee, Petri-Jaan; Seiman, Andrus; **Arike, Liisa; Adamberg, Kaarel; Vilu, Raivo** Microbiology 2014 / p.1501-1512 : ill
<https://doi.org/10.1099/mic.0.078089-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sampling and quantitative analysis in capillary electrophoresis

Kuban, Petr; Seiman, Andrus; **Kaljurand, Mihkel** Capillary electrophoresis and microchip capillary electrophoresis : principles, applications, and limitations 2013 / p. 41-64

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](#)

Start-up of low-temperature anammox in UASB from mesophilic yeast factory anaerobic tank inoculum

Zekker, Ivar; Rikmann, Ergo; **Seiman, Andrus; Looits, Liis** Environmental technology 2015 / p. 214-225 : ill
<https://doi.org/10.1080/09593330.2014.941946> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Step-wise temperature decreasing cultivates a biofilm with high nitrogen removal rates at 9°C in short-term anammox biofilm tests

Zekker, Ivar; Rikmann, Ergo; Mandel, Anni; Kroon, Kristel; **Seiman, Andrus;** Mihkelson, Jana; Tenno, Taavo; Tenno, Toomas Environmental technology 2016 / p. 1933 - 1946 <https://doi.org/10.1080/09593330.2015.1135995> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study of Cells in the Steady State Growth Space : chapter 9

Erm, Sten; Abner, Kristo; Seiman, Andrus; Adamberg, Kaarel; Vilu, Raivo Continuous biomanufacturing | innovative technologies and methods : innovative technologies and methods 2017 / p. 233-258 <https://doi.org/10.1002/9783527699902.ch9>

The analysis of degradation product of toxic organophosphates in soil organic matter : extraction procedures and separation with capillary electrophoresis

Makarõtševa, Natalja; Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel 12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts 2009 / p. 81

The detection of nerve agent degradation products in different soil fractions using capillary electrophoresis with contactless conductivity detection

Seiman, Andrus; Makarõtševa, Natalja; Vaher, Merike; Kaljurand, Mihkel Chemistry and ecology 2010 / Suppl., p. 145-155 : ill <https://www.tandfonline.com/doi/abs/10.1080/02757540.2010.497761>

Thermal marks as a signal processing aid for a portable capillary electropherograph

Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2011 / 9, p. 1006-1014 : ill

Uudne marker kapillaarelektroforeesi jaoks mittevsesikeskkonnas

Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 145-146