

Analysis of the stable free radical scavenging capability of artificial polyphenol mixtures and plant extracts by capillary electrophoresis and liquid chromatography-diode array detection-tandem mass spectrometry

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Kaljurand, Mihkel Journal of chromatography A 2009 / p. 2417-2423 : ill

Bioactive components of the hop strobilus : comparison of different extraction methods by capillary electrophoretic and chromatographic methods

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Kamsol, Kristjan; Orav, Anne; Kaljurand, Mihkel Journal of chromatography A 2007 / p. 222-229 : ill

https://www.academia.edu/60646251/Bioactive_components_of_the_hop_strobilus_Comparison_of_different_extraction_methods_by_capillary_electrophoretic_and_chromatographic_methods

Bioaktiivsete ühendite lahutamise ja antioksidatiivsuse hindamine maavitsaliste perekonda Solanaceae kuuluvatel taimedel

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Kaljurand, Mihkel XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 36-37

Capillary electrophoretic monitoring of hydrothermal pre-treatment and enzymatic hydrolysis of willow : comparison with HPLC and NMR

Vaher, Merike; Helmja, Kati; Käsper, Andres; Kurašin, Mihhail; Väljamäe, Priit; Kudrjašova, Marina; Koel, Mihkel; Kaljurand, Mihkel Catalysis today 2012 / p. 34-41 : ill

Capillary electrophoretic monitoring of products of enzymatic digestion of willow sawdust

Helmja, Kati; Käsper, Andres; Kudrjašova, Marina; Vaher, Merike SustainChem2011 : International Conference on Materials and Technologies for Green Chemistry jointly with Workshop of COST Action CM0903 (UBIOCHEM-II) : September 5-9, 2011, Tallinn, Estonia : abstract book and program 2011 / p. 105 <https://www.etis.ee/Portal/Publications/Display/b8a916a7-4a4b-460f-a3de-eeede27394252>

Characterization of bioactive compounds contained in vegetables of the Solanaceae family by capillary electrophoresis

Helmja, Kati; Vaher, Merike; Gorbatšova, Jelena; Kaljurand, Mihkel Proceedings of the Estonian Academy of Sciences. Chemistry 2007 / 4, p. 172-186 : ill

Chemical composition of red wines made from hybrid grape and common grape (*Vitis vinifera* L.) cultivars

Pedastsaar, Priit; Vaher, Merike; Helmja, Kati; Kulp, Maria; Kaljurand, Mihkel; Karp, Kadri; Raal, Ain; Karathanos, Vaios; Püssa, Tõnu Proceedings of the Estonian Academy of Sciences 2014 / p. 444-453 : ill https://artiklid.elnet.ee/record=b2707387*est

Comparative study of antioxidant capacity of *Rheum rhaponticum* root polyphenols

Raudsepp, Piret; Helmja, Kati; Raal, Ain; Vaher, Merike; Püssa, Tõnu XXIVth International Conference on Polyphenols : Polyphenols Communications 2008 : Salamanca, 8th-11th July 2008. Volume 1 2008 / p. 231-232 : ill

https://www.researchgate.net/publication/286933217_Comparative_study_of_antioxidant_capacity_of_Rheum_rhaponticum_root_polyphenols

Comparison of the composition of phenolic acids and antioxidativity of different wheat varieties

Matso, Kersti; Levandi, Tuuli; Helmja, Kati; Vaher, Merike 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. 116

Complex study of bioactive compounds in eggplant (*Solanum melongena*)

Helmja, Kati; Gorbatšova, Jelena; Vaher, Merike; Püssa, Tõnu; Kaljurand, Mihkel 4th Nordic Separation Science Society (NoSSS) International Conference : Kaunas, August 26-29, 2007 : abstracts book 2007 / p. 77

Comprehensive investigation of *St. John's Wort* (*Hypericum perforatum*) : polyphenolic compounds, essential oils and metals

Helmja, Kati; Vaher, Merike; Orav, Anne; Viitak, Anu; Püssa, Tõnu; Kaljurand, Mihkel 14th International Symposium on Separation Science : Primosten, Croatia, 30 Sept. - 3 Oct. 2008 2008 / p. 59

Determination of carbohydrates in cellulose and enzymatically pretreated wood fractions using capillary electrophoresis

Vaher, Merike; Helmja, Kati; Käsper, Andres; Kudrjašova, Marina; Gorbatšova, Jelena; Kaljurand, Mihkel Program and abstract book : Nordic Separation Science Society 6th Conference : Riga, Latvia, August 24th-27th, 2011 2011 / p. 98

Determination of phenolic compounds and their antioxidative capability in plant extracts = Meetodid fenoolsete ühendite määramiseks ja nende antioksidatiivsuse hindamiseks

Helmja, Kati 2010 https://www.ester.ee/record=b2561129*est

Enantioselective CE analysis of hepatic ketamine metabolism in different species in vitro

Schmitz, Andrea; Thormann, Wolfgang; Moessner, Lone; Theurillat, Regula; Helmja, Kati; Mevissen, Meike Electrophoresis 2010 / 9, p. 1506-1516 : ill <https://pubmed.ncbi.nlm.nih.gov/20358543/>

Evaluation of antioxidative capability of the tomato (*Solanum lycopersicum*) skin constituents by capillary

electrophoresis and high-performanced liquid chromatography

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Raudsepp, Piret; **Kaljurand, Mihkel** Electrophoresis 2008 / p. 3980-3988 : ill
<https://pubmed.ncbi.nlm.nih.gov/18958890/>

Evaluation of the free radical scavenging capability of wheat extracts by capillary electrophoresis and multivariate curve resolution

Helmja, Kati; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2011 / 9, p. 1094-1100 : ill

Fenoolsete ühendite sisaldus ja antioksidatiivsus erinevates nisusortides ja nisutera fraktsioonides

Matso, Kersti; Vaher, Merike; Helmja, Kati; Levandi, Tuuli; Kaljurand, Mihkel XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 56

Fermentation reactor coupled with capillary electrophoresis for on-line bioprocess monitoring

Tahkoniemi, Heli Anneli; Helmja, Kati; Menert, Anne; Kaljurand, Mihkel Journal of pharmaceutical and biomedical analysis 2006 / 5, p. 1585-1591 : ill

Fraction collection in capillary electrophoresis for various stand-alone mass spectrometers

Helmja, Kati; Borissova, Maria; Knjazeva, Tatjana; Jaanus, Martin; Muinasmaa, Urmas; Kaljurand, Mihkel; Vaher, Merike Journal of chromatography A 2009 / p. 3666-3673 : ill

Identification of bioactive compounds in leaves and stems of Aegopodium podagraria by various analytical technics

Orav, Anne; Viitak, Anu; Helmja, Kati; Vaher, Merike 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. 144

Methods of comparative analysis of the free radical scavenging capability of components of antioxidant mixtures

Püssa, Tõnu; **Vaher, Merike; Helmja, Kati;** Raudsepp, Piret; **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. 56

Phenolic compounds and the antioxidant activity of the bran, flour and whole grain of different wheat varieties

Vaher, Merike; Matso, Kersti; Levandi, Tuuli; Helmja, Kati; Kaljurand, Mihkel Procedia chemistry 2010 / p. 76-82 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004094>

Polüfenoolsete ühendite antioksidatiivsuse hindamine kapillaarelektroforeetiliselt ja vedelik-kromatograafiliselt

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Kaljurand, Mihkel XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 31

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

Study of VFAs formation during anaerobic digestion of thermally treated sludge by respirometric Oxitop method

Menert, Anne; Michelis, Merje; Helmja, Kati; Tahkoniemi, Heli Anneli; Vaalu, Tarmo; Malsub, Tõnu; **Vilu, Raivo; Kaljurand, Mihkel** Proceedings of 5th Conference on the Establishment of Cooperation between Companies and Institutions in the Baltic Sea Region 2005 / p. 563

The evaluation of the oxidation capability of bioactive compounds of Solanum melongena by capillary electrophoresis and by HPLC-MS/MS

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; **Kaljurand, Mihkel** XXIVth International Conference on Polyphenols : Polyphenols Communications 2008 : Salamanca, 8th-11th July 2008. Volume 1 2008 / p. 165-166 : ill

Tselluloosi hüdroolüüs iooneses vedelikus

Helmja, Kati; Vaher, Merike XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 25

Variation in the composition of the essential oils, phenolic compounds and mineral elements of Hypericum perforatum L. growing in Estonia

Helmja, Kati; Vaher, Merike; Püssa, Tõnu; Orav, Anne; Viitak, Anu; Levandi, Tuuli; Kaljurand, Mihkel Natural product research 2011 / p. 496-510