

Characterization of polysaccharide gels by gradient NMR and microscopy methods : a comparative study

Tuvikene, Rando; Matsukawa, Shingo; Ogawa, Hiroo; Robal, Marju; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn** IUPAC International Congress on Analytical Sciences 2011 : 22-26 May 2011, Kyoto, Japan 2011 / p. 23P195

Characterization of the yew tree (Taxus) subspecies by fingerprints and principal components analysis

Vaher, Merike; Borissova, Maria; Truus, Kalle; Tuvikene, Rando; Robal, Marju; **Kaljurand, Mihkel** IUPAC International Congress on Analytical Sciences 2011 : 22-26 May 2011, Kyoto, Japan 2011 / p. 23P059

Characterization of yew tree (Taxus) varieties by fingerprint and principal component analyses

Truus, Kalle; **Vaher, Merike; Borissova, Maria**; Robal, Marju; **Levandi, Tuuli**; Tuvikene, Rando; Toomik, Peeter; **Kaljurand, Mihkel** Natural product communications 2012 / p. 1143-1146 : ill <https://pubmed.ncbi.nlm.nih.gov/23074891/>

Characterization of yew tree (Taxus) varieties by fingerprint and principal component analyses

Truus, Kalle; **Vaher, Merike; Borissova, Maria**; Robal, Marju; **Levandi, Tuuli**; Tuvikene, Rando; Toomik, Peeter; **Kaljurand, Mihkel** Natural product communications 2012 / p. 1143-1146 <https://pubmed.ncbi.nlm.nih.gov/23074891/>

Comparative determination of microelements in Baltic seawater and brown algae samples by atomic absorption spectrometric and inductively coupled plasma methods

Truus, Kalle; **Viitak, Anu; Vaher, Merike; Muinasmaa, Urmas; Paasrand, Keddy**; Tuvikene, Rando; **Levandi, Tuuli** Proceedings of the Estonian Academy of Sciences. Chemistry 2007 / 3, p. 122-133 : ill

Crucial gel-forming processes of red algal galactans [Electronic resource]

Tuvikene, Rando; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis** World Polymer Congress : 41st International Symposium on Macromolecules : MACRO 2006 : 16-21 July 2006, Rio de Janeiro, Brazil 2006 / [CD-ROM]

Eesti rannikumere pruunvetikad indikaatorina Läänemere toksiliste elementide reostuse hindamisel

Levandi, Tuuli; Viitak, Anu; Truus, Kalle; Paasrand, Keddy; Tuvikene, Rando; **Vaher, Merike** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 56-57

Ekstraktsioon ja keemiline töötlus kõrgekvaliteetsete karraginaanide saamiseks

Tuvikene, Rando; Robal, Marju; Ikart, A.-L.; Truus, K.; **Mellikov, Enn; Pehk, Tõnis** XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 169-170

Extraction and quantification of hybrid carrageenans from the biomass of the red algae Furcellaria lumbricalis and Coccotylus truncatus

Tuvikene, Rando; Truus, Kalle; **Vaher, Merike; Kailas, Tiiu**; Martin, Georg; Kersen, Priit Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 1, p. 40-53 : ill

Hübriidsed karraginaanid punavetikate Furcellaria lumbricalis ja Coccotylus truncatus koosluse biomassist

Tuvikene, Rando; Truus, Kalle; **Vaher, Merike**; Kersen, Priit XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 123-124

Optimizing the processing of shellfish (Mytilus edulis and M. trossulus Hybrid) biomass cultivated in the Low Salinity Region of the Baltic Sea for the extraction of meat and proteins

Adler, Indrek; Kotta, Jonne; Tuvikene, Rando; Kaldre, Katrin Applied sciences 2022 / art. 5163, 11 p. : ill
<https://doi.org/10.3390/app12105163> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Recent advances of carbon nanotubes synthesis by the electric arc technique using atomized platinum-group metal catalysts

Truus, Kalle; **Volobujeva, Olga; Kaupmees, Reelika**; Tamm, Aile; Rähn, Mihkel; Raid, Raivo; Koppel, Kaida; Tuvikene, Rando Materials Science and Engineering: B 2024 / art. 117121 <https://doi.org/10.1016/j.mseb.2023.117121> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Red algal galactans: nature-reserving isolation, analysis and possible applications in nanotechnology

Tuvikene, Rando; Truus, Kalle; **Kallavus, Urve; Vaher, Merike; Pehk, Tõnis** Conference on Knowledge-based Materials and Technologies for Sustainable Chemistry : 1-5 June 2005, Tallinn, Estonia : abstract book 2005 / p. 120 : ill

Structural and compositional characteristics of gelling galactan from the red alga Ahnfeltia tobuchiensis (Ahnfeltiales, the Sea of Japan)

Truus, Kalle; Tuvikene, Rando; **Vaher, Merike; Kailas, Tiiu**; Toomik, Peeter; **Pehk, Tõnis** Carbohydrate polymers 2006 / p. 130-135 : ill https://www.sciencedirect.com.translate.google/science/article/abs/pii/S0144861705003759?_x_tr_sl=en&_x_tr_tl=et&_x_tr_hl=et&_x_tr_pto=sc

Structural and compositional characteristics of gelling galactan from the red alga Ahnfeltia tobuchiensis (Ahnfeltiales, the sea of Japan)

Truus, Kalle; Tuvikene, Rando; **Vaher, Merike; Kailas, Tiiu**; Toomik, Peeter; **Pehk, Tõnis** Carbohydrate polymers 2005 / [6] p. : ill.

[ilmumas?]

https://www.researchgate.net/publication/229420426_Structural_and_compositional_characteristics_of_gelling_galactan_from_the_red_alga_Ahnfeltia_tobuchiensis_Ahnfeltiales_the_Sea_of_Japan

Structure and thermal stability of pyruvated carrageenans from the red alga *Coccotylus truncatus*

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Pehk, Tõnis; Kailas, Tiiu; Vaher, Merike**; Paalme, Tiina Carbohydrate research 2009 / p. 788-794 : ill <https://www.sciencedirect.com/science/article/pii/S0008621509000366>

The extraction, structure, and gelling properties of hybrid galactan from the red alga *Furcellaria lumbricalis* (Balti Sea, Estonia)

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis**; Kollist, Andres; **Kailas, Tiiu; Vaher, Merike** Journal of applied phycology 2009 / [13] p.: ill <https://link.springer.com/article/10.1007/s10811-009-9425-x>

The extraction, structure, and gelling properties of hybrid galactan from the red alga *Furcellaria lumbricalis* (Baltic Sea, Estonia)

Tuvikene, Rando; Truus, Kalle; Robal, Marju; **Volobujeva, Olga; Mellikov, Enn; Pehk, Tõnis**; Kollist, Andres; **Kailas, Tiiu; Vaher, Merike** Journal of applied phycology 2010 / p. 51-63 : ill <https://link.springer.com/article/10.1007/s10811-009-9425-x>

Thermal stability of red algal galactans: Effect of molecular structure and counterions

Robal, Marju; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn**; Tuvikene, Rando International journal of biological macromolecules 2017 / p. 213-223 : ill <https://doi.org/10.1016/j.ijbiomac.2017.05.175> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Unlocking the potential of shellfish biomass : refining protein extraction from Baltic blue mussels for sustainable food applications

Adler, Indrek; Kotta, Jonne; Tuvikene, Rando; Orav Kotta, Helen Cogent food & agriculture 2024 / art. 2405880, 13 p. : ill <https://doi.org/10.1080/23311932.2024.2405880> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Valorization of Baltic Sea farmed blue mussels: Chemical profiling and prebiotic potential for nutraceutical and functional food development

Adler, Indrek; Kotta, Jonne; Robal, Marju; Humayun, Sanjida; **Vene, Kristel**; Tuvikene, Rando Food Chemistry: X 2024 / art. 101736, 14 p. <https://doi.org/10.1016/j.fochx.2024.101736> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vetikapolüsahhariidide termostabiilsus : struktuur-omadus seosed

Robal, Marju; Tuvikene, Rando; Truus, Kalle; **Volobujeva, Olga; Mellikov, Enn**; Pehk, Tõnis XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 19 : ill