

### **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 *Coccolytus 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

### **Hübrüüridsed karraginaanid punavetikate *Furcellaria lumbricalis* ja *Coccolytus 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  
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### **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**

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### **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>

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### **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