

Ash behaviour of wheat straw blends with wood and reed

Link, Siim; Yrjas, Patrik; Hupa, L. Venice 2016 - Sixth International Symposium on Energy from Biomass and Waste : proceedings 2016 / p. D4-499

Characterization of a recombination hotspot in wheat using flow-sorted pollen nuclei and digital PCR

Abrouk, Michael; Zwyrtkova, Jana; Christelova, Pavla; **Jakobson, Irena; Järve, Kadri** International Plant & Animal Genome XXV : January 14-18, 2017, San Diego, CA, USA : [poster abstracts] 2017 / poster P0843, p. [230-231] <http://www.intlpag.org/2017/113-newsroom/news-xxv/295-pag-xxv-links>

Characterization of new allele influencing flowering time in bread wheat introgressed from *Triticum militinae*

Ivaničova, Zuzana; **Jakobson, Irena; Reis, Diana; Järve, Kadri** New biotechnology 2016 / p. 718-727 : ill <https://doi.org/10.1016/j.nbt.2016.01.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The chromatin determinants and Ph1 gene effect at wheat sites with contrasting recombination frequency

Majka, Maciej; Janáková, Eva; **Jakobson, Irena; Järve, Kadri;** Cápal, Petr; Korchanová, Zuzanna; Lampar, Adam; Juračka, Jakub; Valárik, Miroslav Journal of advanced research 2023 / p. 75-85 <https://doi.org/10.1016/j.jare.2023.01.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chromosome location of genes for powdery mildew resistance in the common wheat cultivar Helle

Peuša, Hilma; Sadam, Helle; Enno, Tamara Annu Wheat Newslett 2005 / p. 29-31

Colinearity-based marker mining for high density mapping of the wheat powdery mildew resistance locus QPm.tut-4A

Valárik, Miroslav; **Jakobson, Irena; Timofejeva, Ljudmilla;** Kládiová, Monika; **Järve, Kadri;** Določel, Jaroslav Abstracts of the 19th International Triticeae Mapping Initiative - 3rd COST Tritigen : Clermont-Ferrand, France, August 31st - September 4th 2009 2009 / p. 88

A common wheat line showing *Triticum militinae*-derived adult-plant resistance to powdery mildew

Jakobson, Irena; Peuša, Hilma; Tiidema, Anu; Timofejeva, Ljudmilla; Järve, Kadri Proceedings of the 10th International Wheat Genetics Symposium : Paestum, Instituto Sperimentale per la Cerealicoltura, 2003. 3 2003 / p. 1160-1162

Comparative genomic analysis of monosporial and monoteliosporic cultures for unraveling the complexity of molecular pathogenesis of *Tilletia indica* pathogen of wheat

Mishra, Pallavi; Maurya, Ranjeet; **Gupta, Vijai Kumar;** Ramteke, Pramod Wasudeo; Marla, Soma S.; Kumar, Anil Scientific reports 2019 / art. 8185, 15 p. : ill <https://doi.org/10.1038/s41598-019-44464-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study of cereal varieties by analytical separation methods and chemometrics = Teraviljasortide võrdlev uurimus analüütiliste lahutusmeetodite ja kemomeetria abil

Levandi, Tuuli 2013 <https://digi.lib.ttu.ee/i/?899> https://www.ester.ee/record=b2948245*est

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

Corrigendum: A survey using high-throughput sequencing suggests that the diversity of cereal and barley yellow dwarf viruses is underestimated (Front. Microbiol., (2021), 12, (673218), 10.3389/fmicb.2021.673218)

Sõmera, Merike; Massart, Sébastien; Tamisier, Lucie; Sooväli, Pille; Sathees, Kanitha; Kvarnheden, Anders Frontiers in microbiology 2021 / art. 772637, 2 p <https://doi.org/10.3389/fmicb.2021.772637> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of DH in a disease-resistant *T. timopheevi*-derived wheat population

Järve, Kadri; Tiidema, Anu; Tsõmbalova, Jelena Technology advancement for gametic embryogenesis 2002 / ? p

Divergence between bread wheat and *Triticum militinae* in the powdery mildew resistance QPm.tut-4A locus and its implications for cloning of the resistance gene

Janáková, Eva; **Jakobson, Irena; Peuša, Hilma; Järve, Kadri** Theoretical and applied genetics 2019 / p. 1061–1072 : ill <https://doi.org/10.1007/s00122-018-3259-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eesti viljasorte saab eristada DNA-sõrmejälgedel abil

Laanemets, Kriitina; Ivanova, Anna; Kärblane, Kairi postimees.ee 2023 [Eesti viljasorte saab eristada DNA-sõrmejälgedel abil](#)

Effect of leaching pre-treatment on the char reactivity of pyrolyzed wheat straw [Electronic resource]

Link, Siim; Arvelakis, Stelios; **Paist, Aadu;** Hupa, Mikko; Yrjas, Patrik; **Külaots, Indrek** 17th European Biomass Conference & Exhibition : from Research to Industry and Markets : proceedings of the International Conference held in Hamburg, Germany, 29 June - 3 July 2009 2009 / p. 1113-1121 [DVD]

Effect of N fertilisation on the content of chemical components in wheat grown in Estonia

Veskus, Tiina Food and nutrition = Toit ja toitumine 2002 / p. 62-71

Efficient barrier properties of mechanically enhanced agro-extracted cellulosic biocomposites

Qasim, Umair; Fatima, R.; Usman, M. Materials today chemistry 2020 / art. 100378, 8 p. : ill

<https://doi.org/10.1016/j.mtchem.2020.100378>

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

Fine mapping, phenotypic characterization and validation of non-race-specific resistance to powdery mildew in a wheat–*Triticum militinae* introgression line

Jakobson, Irena; Reis, Diana; Tiidema, Anu; Peuša, Hilma; Timofejeva, Ljudmilla; Valarik, Miroslav; Klavdivova, Monika; Doležel, Jaroslav; Järve, Kadri Theoretical and applied genetics 2012 / p. 609-623 <https://pubmed.ncbi.nlm.nih.gov/22534789/>

First report of Brome mosaic virus in wheat in Estonia

Sõmera, Merike; Gantsovski, Mark; Truve, Erkki; Sooväli, Pille Plant disease 2016 / p. 2175 <https://doi.org/10.1094/PDIS-04-16-0426-PDN> [Journal metrics at Scopus](#) [Article at scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

First report of Cocksfoot mottle virus infecting wheat in Estonia

Sõmera, Merike; Sooväli, Pille New disease reports 2023 / art. e12206 <https://doi.org/10.1002/ndr2.12206> [Journal metrics at Scopus](#) [Article at Scopus](#)

First report of wheat dwarf virus in winter wheat in Estonia

Sõmera, Merike; Truve, Erkki; Sooväli, Pille Plant disease 2019 / p. 1797 <https://doi.org/10.1094/PDIS-11-18-2059-PDN> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Genetic control of the wheat *Triticum monococcum* L. resistance to powdery mildew

Lebedeva, T.V.; **Peuša, Hilma** Russian journal of genetics 2006 / 1, p. 60-66

https://www.researchgate.net/publication/7253959_Genetic_control_of_the_wheat_Triticum_monococcum_L_resistance_to_powdery_mildew

A haplotype specific to North European wheat (*Triticum aestivum* L.)

Tsõmbalova, Jelena; Peuša, Hilma; Jakobson, Irena; Järve, Kadri Genetic resources and crop evolution 2017 / p. 653-664 : ill <https://doi.org/10.1007/s10722-016-0389-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High density mapping of powdery mildew resistance gene Qpm.Tut-4A introgressed to bread wheat from *Triticum militinae*

Kominkova, Eva; Balcarkova, Barbora; Abrouk, Michael; Reis, Diana; Jakobson, Irena; Peuša, Hilma; Järve, Kadri; Timofejeva, Ljudmilla; Doležel, Jaroslav; Valarik, Miroslav Plant and Animal Genome Conference XXIV : the International Conference on the Status of Plant & Animal Genome Research : January 9-13, 2016, Town & Country Hotel, San Diego, CA 2016 / p. P0872 : ill

In-silico identification and characterization of wheat 4AL - *Triticum militinae* Introgression

Abrouk, Michael; Jakobson, Irena; Järve, Kadri XXII International Plant & Animal Genome Conference : January 10-14, 2014, San Diego, CA, USA : [abstracts] 2014 / p. P214

Metatranscriptome analysis deciphers multifunctional genes and enzymes linked with the degradation of aromatic compounds and pesticides in the wheat rhizosphere

Singh, Dhananjaya P.; Prabha, Ratna; Gupta, Vijai Kumar; Verma, Mukesh K. Frontiers in microbiology 2018 / art. 1331, 15 p. : ill <https://doi.org/10.3389/fmicb.2018.01331> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mitigation of salinity stress in wheat seedlings due to the application of phytohormone-rich culture filtrate extract of methylotrophic actinobacterium *Nocardioide* sp. NIMMe6

Meena, Kamlesh K.; Bitla, Utkarsh M.; Sorty, Ajay M.; Singh, Dhananjaya P.; Gupta, Vijai Kumar; Wakchaure G.C.; Kumar, Satish Frontiers in microbiology 2020 / art. 2091, 16 p. : ill. <https://doi.org/10.3389/fmicb.2020.02091> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Monitoring of simultaneous saccharification and fermentation of wheat straw by HPLC and capillary electrophoresis

Vaher, Merike; Käsper, Andres; Erm, Sten; Aid, Tiina; Koel, Mihkel Book of abstracts : COST Action CM0903: Utilization of Biomass for Sustainable Fuels and Chemicals (UBIOCHEM) : Thessaloniki, Greece, 1-3 Nov 2012 2012 / p. 73

Nisu haiguskindluse geneetiline kontroll

Peuša, Hilma; Enno, Tamara; **Järve, Kadri**; Priilinn, Oskar Agraarteadus 2001 / 4, lk. 219-223

Nisu- ja kaerakliid

Täht, Riina Tervis Pluss 2004 / sept., lk. 67

Oxidation products of free polyunsaturated fatty acids in wheat varieties

Levandi, Tuuli; Püssa, Tõnu; **Vaher, Merike**; Toomik, Peeter; **Kaljurand, Mihkel** European journal of lipid science and technology 2009 / 7, p. 715-722 : ill

https://www.researchgate.net/publication/230008245_Oxidation_products_of_free_polyunsaturated_fatty_acids_in_wheat_varieties

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>

Polüsahhariidide sisaldus Eesti nisus

Veskus, Tiina XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 153

Polysaccharide composition of Estonian wheat

Veskus, Tiina 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 161

Precise mapping the powdery mildew resistance locus QPm.tut-4A in wheat using barley, brachypodium, and rice collinear regions

Valarik, Miroslav; **Jakobson, Irena**; **Timofejeva, Ljudmilla**; Kladvivova, Monika; **Järve, Kadri**; Dolezel, Jaroslav Plant & Animal Genome XVIII Conference : San Diego, 2010 2010 / p. P332

Principal component analysis of HPLC-MS/MS patterns of wheat (Triticum aestivum) varieties

Levandi, Tuuli; Püssa, Tõnu; **Vaher, Merike**; Ingver, Anne; Koppel, Reine; **Kaljurand, Mihkel** Proceedings of the Estonian

Academy of Sciences 2014 / p. 86-92 : ill https://artiklid.elnet.ee/record=b2665228*est https://doi.org/10.3176/proc.2014.1.11_Journal [Article at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

QTL analysis of yield-related morphological traits and powdery mildew resistance in an introgressive line of bread wheat

Jakobson, Irena; **Tiidema, Anu**; **Peuša, Hilma**; **Posti, Diana**; Ingver, Anne; **Järve, Kadri** Abstracts of the 19th International Triticeae Mapping Initiative - 3rd COST Tritigen : Clermont-Ferrand, France, August 31st - September 4th 2009 2009 / p. 149

RGAs amplified from a powdery mildew resistant T.timopheevii derivative of wheat

Järve, Kadri; Tamm, S.; Panitševa, N.; Tsõmbalova, Jelena; **Truve, Erkki** Proceedings of the 10th International Wheat Genetics Symposium : Paestum, Istituto Sperimentale per la Cerealicoltura, 2003. 3 2003 / p. 1163-1165

Sixty years after the first description : genome sequence and biological characterization of European wheat striate mosaic virus infecting cereal crops

Sõmera, Merike; Kvarnheden, Anders; Desbiez, Cecile; Sooväli, Pille; **Gantsovski, Mark**; **Truve, Erkki** Phytopathology 2020 / p. 68-79 <https://doi.org/10.1094/PHYTO-07-19-0258-FI> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Structural variations of T. militinae locus introgressed into wheat chromosome arm 4AL and conferring improved powdery mildew resistance

Kominkova, Eva; **Jakobson, Irena**; **Järve, Kadri**; **Peuša, Hilma**; Abrouk, Michael; **Timofejeva, Ljudmilla**; Doležel, Jaroslav; Valarik, Miroslav International Plant & Animal Genome XXV : January 14-18, 2017, San Diego, CA, USA : [poster abstracts] 2017 / poster P0896, p. [245] <http://www.intpag.org/2017/113-newsroom/news-xxv/295-pag-xxv-links>

A study of primary oxidation products of free polyunsaturated fatty acids in wheat varieties

Vaher, Merike; **Levandi, Tuuli**; Püssa, Tõnu; Toomik, Peeter; **Kaljurand, Mihkel** Proceedings of World Congress on Oils and Fats & 28th ISF Congress : Sydney, Australia, 27-30 September 2009 / ? p

A survey using high-throughput sequencing suggests that the diversity of cereal and barley yellow dwarf viruses is underestimated

Sõmera, Merike; Massart, Sebastien; Tamisier, Lucie; **Sooväli, Pille**; Sathees, Kanitha Frontiers in microbiology 2021 / art. 673218 <https://doi.org/10.3389/fmicb.2021.673218> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Teadlased kindlustavad nisu seenhaiguste vastu : [TTÜ geenitehnoloogia instituudi katsetustest : lühisõnum]

Imeline Teadus 2013 / lk. 96

Tetraploid wheat species Triticum timopheevii and Triticum militinae in common wheat improvement

Järve, Kadri; Jakobson, Irena; Enno, Tamara Acta agronomica Hungarica 2002 / 4, p. 1-15

<https://akjournals.com/view/journals/014/50/4/article-p463.xml>

The chemical composition of wheat grown in Estonia

Veskus, Tiina; Nõges, M. LUA proceedings 1997 / 12, p. 13-16

The effect of Sorbus aucuparia on the quality of wheat and rye bread

Täht, Riina; Kann, Aino Kemia-kemi = [Finnish chemistry] 1991 / p. 950 https://www.ester.ee/record=b1201067*est

The electrophoretical spectra of storage proteins and baking properties of rye, triticale and wheat

Tohver, M.; **Kann, Aino; Täht, Riina;** Rahnu, I.; **Mihhalevski, Anna** 1st Baltic Conference on Rye - in EU-Context : 2-5 September, 2001, Lithuania, Kaunas : abstracts of oral presentation 2001 / p. 28

The in silico identification and characterization of a bread wheat/Triticum militinae introgression line

Abrouk, Michael; Balcarkova, Barbora; Šimkova, Hana; **Jakobson, Irena; Timofejeva, Ljudmilla; Järve, Kadri** Plant biotechnology journal 2017 / p. 249-256 : ill <https://doi.org/10.1111/pbi.12610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

The storage proteins of hexaploid wheat and their relation to bread-making quality

Tohver, M. Food and nutrition = Toit ja toitumine 1998 / p. 68-75: ill

Towards cloning the powdery mildew resistance gene QPm.tut-4A introgressed to bread wheat from T. militinae

Kladivova, Monika; Klocova, Barbora; Posti, Diana; **Jakobson, Irena; Peuša, Hilma; Järve, Kadri; Timofejeva, Ljudmilla** Abstracts of the ITMI NWGC Joint Workshop : Fargo ND, USA 2012
https://wheat.pw.usda.gov/ggpages/awn/58/TEXTFILES/ITMI/SP19_VALARIK.pdf

Triticum militinae introgressions into bread wheat affect host responses to powdery mildew challenge [Online resource]

Islamov, Bulat; Peuša, Hilma; Jakobson, Irena; Järve, Kadri Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 34
http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf

Uus nisu ei haigestu seenhaigustesse

Sammler, Lii Maaleht 2021 / Lk. 22 : fot <https://dea.digar.ee/article/maaleht/2021/05/27/14.5>

Использование пшеничных отрубей в мучных кондитерских изделиях

Lipre, Endla Тезисы докладов 2-й всесоюзной научной конференции "Проблемы индустриализации общественного питания страны", 12-14 декабря 1989 г. 1989 / с. ? https://www.ester.ee/record=b1073047*est

Использование пшеничных отрубей в мучных кондитерских изделиях

Lipre, Endla; Nurmese, K.; Liiva, M. Вопросы повышения качества пищевых продуктов 1988 / с. 23-30

Исследование продуктов гидролиза пшеничного крахмала биопрепаратом

Liebert, Tiit Технология пищевых производств. 2 1971 / с. 59-62 : илл https://www.ester.ee/record=b1475923*est
<https://digikogu.taltech.ee/et/Item/63f3c26f-8104-4e33-a10e-83512b7e2b87/>

Применение измельченных отрубей при выработке нового сорта хлеба

Veskus, Tiina; Kann, Aino; Kesküla, J.; Einborn, Illi Вопросы повышения качества пищевых продуктов 1988 / с. 11-22

Пшеничные отруби и их применение в пищевой промышленности

Järv, E.; Tomson, H.; Veskus, Tiina; Kann, Aino XXXII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1988 г. : тезисы докладов : [в 3-х частях], ч. 2 1988 / с. 81
https://www.ester.ee/record=b1571601*est