

A radical shift from soft-water to hard-water lake: palaeolimnological evidence from Lake Kooraste Kõverjärv, southern Estonia

Alliksaar, Tiiu; Heinsalu, Atko Estonian journal of earth sciences 2012 / p. 317-327 : ill

Analysis of pore water dissolved organic matter by UV-spectroscopy and spectral fluorescence signatures technology

Makarõitseva, Natalja; Lepane, Viia; Alliksaar, Tiiu; Tõnno, Ilmar From Molecular Understanding to Innovative Applications of Humic Substances : proceedings of the 14th International Meeting of the International Humic Substances Society : September 14-19, 2008, Moscow-Saint Petersburg, Russia. Volume 1 2008 / p. 269-272 : ill

Changes in heavy metal concentrations in the sediments of the Gulf of Finland over two decades

Vallius, Henry; **Alliksaar, Tiiu; Suuroja, Sten** Estonian journal of earth sciences 2022 / p. 177-188 : ill

<https://doi.org/10.3176/earth.2022.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chemical analysis of temporal changes in the structure and quantity of organic biomolecules of lake sediments

Lepane, Viia; Makarõitseva, Natalja; Viitak, Anu; Alliksaar, Tiiu International Humic Substances Society 11th Nordic-Baltic Symposium. Functioning of NOM in the Environment : Joensuu, Finland, June 10-13 : abstracts 2007 / p. 42

A comparison of the palaeolimnology of Peipsi and Võrtsjärv: connected shallow lakes in north-eastern Europe for the twentieth century, especially in relation to eutrophication progression and water-level fluctuations

Leeben, Aina; Freiberg, Rene; Tõnno, Ilmar; Kõiv, Toomas; **Alliksaar, Tiiu; Heinsalu, Atko** Hydrobiologia 2013 / p. 227-240 : ill
<https://doi.org/10.1007/s10750-012-1209-7>

Contrasting responses to long-term climate change of carbon flows to benthic consumers in two different sized lakes in the Baltic area

Freiberg, Rene; Belle, Simon; **Poska, Anneli; Agasild, Helen; Alliksaar, Tiiu; Tõnno, Ilmar** Quaternary science reviews 2018 / p.

168-176 : ill <https://doi.org/10.1016/j.quascirev.2018.03.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of the Askja AD 1875 cryptotephra in Latvia, Eastern Europe

Stivrinš, Normunds; Wulf, Sabine; Alliksaar, Tiiu; Heinsalu, Atko; Veski, Siim Journal of quaternary science 2016 / p. 437-441 : ill
<http://dx.doi.org/10.1002/jqs.2868>

Development of large shallow Lake Peipsi (North-Eastern Europe) over the Holocene based on the stratigraphy of phosphorus fractions

Kisand, Anu; Kirsi, Anna-Liisa; Ehapalu, Kristiina; **Alliksaar, Tiiu; Heinsalu, Atko; Tõnno, Ilmar; Leeben, Aina; Nõges, Peeter** Journal of paleolimnology 2017 / p. 43-56 : ill <https://doi.org/10.1007/s10933-017-9954-2>

Drastic changes in lake ecosystem development as a consequence of flax retting: a multiproxy palaeolimnological study of Lake Kooraste Linajärv, Estonia

Liiv, Merlin; Alliksaar, Tiiu; Freiberg, Rene; Heinsalu, Atko; Ott, Ingmar; Reitalu, Triin; Tõnno, Ilmar; Vassiljev, Jüri; Veski, Siim Vegetation history and archaeobotany 2018 / p. 437-451 : ill <https://doi.org/10.1007/s00334-017-0650-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Drivers of change and ecosystem status in a temperate lake over the last Post-Glacial period from 14.5 kyr [Online resource]

Tõnno, Ilmar; Freiberg, Rene; Talas, Liisi; Kisand, Anu; Belle, Simon; **Stivrinš, Normunds; Alliksaar, Tiiu; Heinsalu, Atko; Veski, Siim; Kisand, Veljo** bioRxiv 2020 / 26 p. : ill <https://doi.org/10.1101/2020.03.27.011502>

Drivers of peat accumulation rate in a raised bog : impact of drainage, climate, and local vegetation composition

Stivrinš, Normunds; Ozola, I.; Galka, Mariusz; Kuske, E.; Alliksaar, Tiiu; Andersen, T. J.; Lamentowicz, M.; Wulf, Sabine; Reitalu, Triin Mires and peat 2017 / art. 8, p. 1-19 : ill <http://dx.doi.org/10.19189/MaP.2016.OMB.262>

Dynamics of phytoplankton pigments in water and surface sediments of a large shallow lake

Freiberg, Rene; Nõmm, Monika; Tõnno, Ilmar; **Alliksaar, Tiiu; Nõges, Tiina; Kisand, Anu** Estonian journal of earth sciences 2011 / 2, p. 91-101 : ill https://artiklid.elnet.ee/record=b2414184*est

Ecosystem changes in large and shallow Võrtsjärv, a lake in Estonia - evidence from sediment pigments and phosphorus fractions

Tõnno, Ilmar; Kirsi, Anna-Liisa; Freiberg, Rene; **Alliksaar, Tiiu; Lepane, Viia; Kõiv, Toomas; Kisand, Anu; Heinsalu, Atko** Boreal environment research 2013 / p. 195-208 : ill

Environmental drivers and abrupt changes of phytoplankton community in temperate lake Lielais Svētīgu, Eastern Latvia, over the last Post-Glacial period from 14.5 kyr

Tõnno, Ilmar; Talas, Liisi; Freiberg, Rene; Kisand, Anu; Belle, Simon; **Stivrinš, Normunds; Alliksaar, Tiiu; Heinsalu, Atko; Veski, Siim; Kisand, Veljo** Quaternary science reviews 2021 / art. 107006 <https://doi.org/10.1016/j.quascirev.2021.107006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eutrofeerumist põhjustavatest elementidest ja uraanist Soome lahe põhjasetetes

Petersell, Valter; Karimov, Mark; Nirgi, Siim; Štokalenko, Mihkel; **Alliksaar, Tiiu; Pajusaar, Siim; Voolma, Margus; Liiv, Merlin** XXIV aprillikonverents "Maapõuekasutus ja keskkonnahoid" : teesid 2016 / lk. 35-37 : ill

Fluorescence spectroscopy of sedimentary pore-water humic substances : a simple tool for retrospective analysis of lake ecosystems

Leeben, Aina; Mikomägi, Annika; **Lepane, Viia; Alliksaar, Tiiu** Journal of soils and sediments 2014 / p. 269-279 : ill
<https://doi.org/10.1007/s11368-013-0768-1>

From bog to fen : palaeoecological reconstruction of the development of a calcareous spring fen on Saaremaa, Estonia

Blaus, Ansis; Reitalu, Triin; Amon, Leeli; Vassiljev, Jüri; Alliksaar, Tiiu; Veski, Siim Vegetation history and archaeobotany 2020 / p. 373–391 : ill <https://doi.org/10.1007/s00334-019-00748-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

From microbial eukaryotes to metazoan vertebrates : Wide spectrum paleo diversity in sedimentary ancient DNA over the last ~14,500 years

Kisand, Veljo; Talas, Liisi; Kisand, Anu; Stivrinš, Normunds; **Reitalu, Triin; Alliksaar, Tiiu; Vassiljev, Jüri; Liiv, Merlin; Heinsalu, Atko; Seppä, Heikki; Veski, Siim** Geobiology 2018 / p. 628-639 : ill <https://doi.org/10.1111/gbi.12307> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geological maps of the Gulf of Finland sea bottom as a basis for assessing the state of marine environment

Suuroja, Sten; Kask, Andres; **Petersell, Valter; Alliksaar, Tiiu; Lips, Urmas; Lepland, Aivo** The 13th Colloquium on Baltic Sea Marine Geology : September 12-16, 2016, Gdansk, Poland : abstract volume & field trip guidebook 2016 / p. 75
<https://www.pgi.gov.pl/dokumenty-pig-pib-all/publikacje-2/materialy-konferencyjne/4007-baltic-2016/file.html>

High-resolution spectroscopic study of pore-water dissolved organic matter in Holocene sediments of Lake Peipsi (Estonia/Russia)

Leeben, Aina; Heinsalu, Atko; **Alliksaar, Tiiu; Vassiljev, Jüri** Hydrobiologia 2010 / p. 21-31 <https://doi.org/10.1007/s10750-010-0174-2>

Hinnangu andmine merekeskkonna ökosüsteemipõhiseks korraldamiseks Soome lahe merepõhja ja setete näitel : (SedGoF) : projekti aruanne

Suuroja, Sten; **Heinsalu, Atko; Alliksaar, Tiiu; Lips, Urmas; Pajusaar, Siim; Liiv, Merlin; Buschmann, Fred; Erm, Ants; Kiipli, Tarmo; Kallaste, Toivo** 2016 https://www.kik.ee/sites/default/files/uuringud/aruanne_sedgof_30.06.2016_0.pdf

History of anthropogenically mediated eutrophication of Lake Peipsi as revealed by the stratigraphy of fossil pigments and molecular size fractions of pore-water dissolved organic matter

Leeben, Aina; Tönno, Ilmar; Freiberg, Rene; **Lepane, Viia; Bonningues, Nicolas; Makarõtševa, Natalja; Heinsalu, Atko; Alliksaar, Tiiu** Hydrobiologia 2008 / p. 49-58 : ill https://doi.org/10.1007/978-1-4020-8379-2_6

History of anthropogenically mediated eutrophication of Lake Peipsi as revealed from constituents of sedimentary organic matter

Leeben, Aina; **Alliksaar, Tiiu**; Bonningues, Nicolas; Freiberg, R.; **Heinsalu, Atko; Lepane, Viia; Makarõtševa, Natalja**; Tönno, Ilmar European Large Lakes Symposium : Ecosystem Changes and their Ecological and Socioeconomic Impacts : September 11-15, 2006, Tartu, Estonia : programme and abstracts 2006 / p. 24

Holocene shifts in the primary producer community of large, shallow European Lake Peipsi, inferred from sediment pigment analysis

Tönno, Ilmar; Nauts, Kristiina; Belle, Simon; **Alliksaar, Tiiu** Journal of paleolimnology 2019 / p. 403–417 : ill
<https://doi.org/10.1007/s10933-019-00067-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

HPLC approach for elucidating age-related changes of aquatic dissolved organic matter in sediment core

Lepane, Viia; Tönno, Ilmar; **Alliksaar, Tiiu** 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. 110

HPLC approach for revealing age-related changes of aquatic dissolved organic matter in sediment core

Lepane, Viia; Tönno, Ilmar; **Alliksaar, Tiiu** Procedia chemistry 2010 / p. 101-108 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004124>

Laborid ja muu teadusvarustus : [TTÜ Geoloogia Instituudi]

Aaloe, Aasa; Kaljo, Dimitri; Kaup, Enn; Martma, Tõnu; Vassiljev, Jüri; Molodkov, Anatoli; Hints, Olle; Verš, Evelin; Voolma, Margus; Urtson, Kristjan; Männik, Peep; Alliksaar, Tiiu Geoloogia instituudi kuuskümmend viis aastat : loomine ja muutumised, inimesed ja teadus, meenutused ja suundumused 2012 / lk. 65-80 : fot

Late glacial and early Holocene climate and environmental changes in the eastern Baltic area inferred from sediment C/N ratio

Liiv, Merlin; Alliksaar, Tiiu; Amon, Leeli; Freiberg, Rene; **Heinsalu, Atko; Reitalu, Triin; Saarse, Leili;** Seppä, Heikki; **Stivrinš, Normunds;** Tõnno, Ilmar; **Vassiljev, Jüri; Veski, Siim** Journal of paleolimnology 2019 / p. 1–16 : ill <https://doi.org/10.1007/s10933-018-0041-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecular components of dissolved organic matter distinguished by optical properties and HPLC in the sediments of Lake Tõugjärvi, Southern Estonia

Lepane, Viia; Makarõševa, Natalja; Alliksaar, Tiiu Geophysical research abstracts 2009 / p. 12450
<https://meetingorganizer.copernicus.org/EGU2009/EGU2009-12450.pdf>

Molecular size distribution of metal complexes with pore water dissolved organic matter determined by HPSEC and ICP-MS

Makarõševa, Natalja; Lepane, Viia; Alliksaar, Tiiu Advances in Natural Organic Matter and Humic Substances Research 2008-2010 : XV Meeting of the International Humic Substances Society : Puerto de la Cruz, Tenerife, Canary Islands, 27 June - 2 July 2010 : proceedings. Vol. 3 2010 / p. 118-119 : ill

Multimethod analysis of organic constituents and selected metals in lake sediments and interstitial water

Lepane, Viia; Makarõševa, Natalja; Viitak, Anu; Alliksaar, Tiiu; Havel, J. Euroanalysis XIV : Antwerp (Belgium), 9-14 September 2007 : book of abstracts 2007 / p. 112

Natural versus anthropogenic accumulation of organic matter - a palaeolimnological evidence from a small stratified lake in southern Estonia

Alliksaar, Tiiu; Heinsalu, Atko; Leeben, Aina 12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts 2009 / p. 52

Palaeolimnological assessment of environmental change over the last two centuries in oligotrophic Lake Nohipalu Valgjärv, southern Estonia

Heinsalu, Atko; Alliksaar, Tiiu Estonian journal of earth sciences 2009 / 2, p. 124-132 : ill https://artiklid.elnet.ee/record=b1477225*est

Palaeolimnological assessment of the reference conditions and ecological status of lakes in Estonia - implications for the European Union Water Framework Directive

Heinsalu, Atko; Alliksaar, Tiiu Estonian journal of earth sciences 2009 / 4, p. 334-341 : ill https://artiklid.elnet.ee/record=b1944678*est

Partition of trace metals between inorganic and organic matter fractions in sediment record from Lake Peipsi

Lepane, Viia; Morriset, Malvina; Viitak, Anu; Laane, Maile; Alliksaar, Tiiu 12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts 2009 / p. 73

Partitioning of metals between operational fractions in the sediment record from Lake Peipsi

Lepane, Viia; Morriset, Malvina; Viitak, Anu; Laane, Maile; Alliksaar, Tiiu Chemistry and ecology 2010 / Suppl., p. 35-48 : ill
<https://doi.org/10.1080/02757540.2010.501031>

Pb-210 and fly ash particles in ombrotrophic peat bogs as indicators of industrial emissions

Vaasma, Taavi; Karu, Helen; Kiisk, Madis; Alliksaar, Tiiu Journal of environmental radioactivity 2017 / p. 78-86 : ill
<https://doi.org/10.1016/j.jenvrad.2016.07.027>

Postglacial flooding and vegetation history on the Ob River terrace, central Western Siberia based on the palaeoecological record from Lake Svetlenkoye

Amon, Leeli; Blas, Ansis; Alliksaar, Tiiu; Heinsalu, Atko; Lapshina, Elena; **Liiv, Merlin; Reitalu, Triin; Vassiljev, Jüri; Veski, Siim** The Holocene 2020 / p. 618–631 <https://doi.org/10.1177/0959683619895582> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reading past landscapes: combining modern and historical records, maps, pollen-based vegetation reconstructions, and the socioeconomic background

Poska, Anneli; Väli, Vivika; Tomson, Pille; **Vassiljev, Jüri;** Kihno, Kersti; **Alliksaar, Tiiu;** Villoslada, Miguel; **Saarse, Leili;** Sepp, Kalev Landscape ecology 2018 / p. 529–546 : ill <https://doi.org/10.1007/s10980-018-0615-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reconstruction of organic carbon sources in the palaeoenvironment of a lake : an optical approach

Leeben, Aina; Alliksaar, Tiiu; Heinsalu, Atko; Lepane, Viia; Salujõe, Jaana; **Veski, Siim** The 23rd International Meeting on Organic Geochemistry (IMOG2007) : Torquay, England, 9-14 September 2007 2007 / p. 1051-1052

Sediment diatom assemblages and composition of pore-water dissolved organic matter reflect recent eutrophication history of Lake Peipsi (Estonia/Russia)

Heinsalu, Atko; Alliksaar, Tiiu; Leeben, Aina; Nõges, Tiina Hydrobiologia 2007 / p. 133-143 : ill <https://doi.org/10.1007/s10750-007-8615-2>

Sediment diatom assemblages and composition of pore-water dissolved organic matter reflect recent eutrophication history of lake peipsi (Estonia/Russia)

Heinsalu, Atko; Aliksaar, Tiiu; Leeben, Aina; Nõges, Tiina Shallow Lakes in a Changing World : Proceedings of the 5th International Symposium on Shallow Lakes, held at Dalfsen, The Netherlands, 5–9 June 2005 2007 / p. 133-143 : ill
https://doi.org/10.1007/978-1-4020-6399-2_13

Sediment quality in Estonian western Gulf of Finland - with reference to the northern Gulf of Finland

Vallius, H.; Suuroja, Sten; Petersell, Valter; **Aliksaar, Tiiu** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 109 https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf

Sediment quality in Estonian western Gulf of Finland [Online resource]

Vallius, Henry; Suuroja, Sten; Petersell, Valter; **Aliksaar, Tiiu** From small scales to large scales - The Gulf of Finland Science Days 2017, 9th-10th October 2017, Estonian Academy of Sciences, Tallinn : Oral presentations 2017 / p. 44
https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays_2017.pdf&type=application%2Fpdf

Sedimentary carbon forms in relation to climate and phytoplankton biomass in a large, shallow, hard-water boreal lake

Ehapalu, Kristiina; Tõnno, Ilmar; **Reitalu, Triin; Aliksaar, Tiiu; Liiv, Merlin;** Freiberg, Rene; Nõges, Peeter Journal of paleolimnology 2017 / p. 81-93 : ill <https://doi.org/10.1007/s10933-016-9931-1>

Sedimentary record of heavy metals in Lake Rõuge Liinjärv, southern Estonia

Lepane, Viia; Varvas, Mart; **Viitak, Anu; Aliksaar, Tiiu; Heinsalu, Atko** Estonian journal of earth sciences 2007 / 4, p. 221-232 : ill

Similar and different features in the palaeolimnology of two connected shallow large lakes over the last 100 years (north-eastern Europe)

Leeben, Aina; Aliksaar, Tiiu; Heinsalu, Atko; Freiberg, Rene; **Lepane, Viia;** Tõnno, Ilmar The 7th International Shallow Lake Conference : Conservation, Management and Restoration of Shallow Lake Ecosystems Facing Multiple Stressors : Wuxi, China, April 24-28 : programs and abstracts 2011 / p. 115-116

Soome lahe keskkonnaseisundi hinnang lähtuvalt merepõhja setetest

Suuroja, Sten; Kask, Andres; Petersell, Valter; Karimov, Mark; **Aliksaar, Tiiu;** Tõnisson, Hannes; **Lips, Urmas;** Lepland, Aivo XXIII aprillikonverents "Eesti maapõue strateegiaist" : teesid 2015 / lk. 30-32 : ill

Soome lahe merepõhja geoloogilised kaardid merekeskkonna seisundi hindamiseks

Suuroja, Sten; Kask, Andres; Petersell, Valter; Karimov, Mark; **Aliksaar, Tiiu;** Tõnisson, Hannes; **Lips, Urmas;** Lepland, Aivo XXIV aprillikonverents "Maapõuekasutus ja keskkonnahoid" : teesid 2016 / lk. 46-47 : ill

Spectroscopic analysis of chromatographically separated molecular fractions of sedimentary dissolved organic matter

Lepane, Viia; Hinnov, Mariann; Tõnno, Ilmar; **Aliksaar, Tiiu** Geophysical research abstracts 2008 / [2] p

Spherical fly ash particles from oil shale fired power plants in atmospheric precipitations. Possibilities of quantitative tracing

Kaasik, M.; **Aliksaar, Tiiu; Ivask, Jüri; Loosaar, Jüri** Oil shale 2005 / 4S, p. 547-561

Structural analysis of sediments from Lake Peipsi, Estonia, by FTIR and Py-GC/MS

Makarõtševa, Natalja; Bikovens, O.; **Aliksaar, Tiiu; Lepane, Viia** Programme and Abstracts : 13th Nordic-Baltic IHSS Symposium. The role of natural organic matter in the environment : Oskarsborg, Norway, June 19-22, 2011 2011 / p. 30

Temporal changes in the sediment pollution of the Gulf of Finland [Online resource]

Heinsalu, Atko; Aliksaar, Tiiu Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 28 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

A 10000 year record of sediment porewater dissolved organic matter characteristics from Lake Peipsi as revealed by HPSEC

Makarõtševa, Natalja; Lepane, Viia; Aliksaar, Tiiu; Heinsalu, Atko Chemistry and ecology 2010 / Supl., p. 13-24 : ill

The n-alkane composition of the Late-glacial lake sediments from eastern Baltic correlates with paleoclimatic episodes

Amon, Leeli; Veski, Siim; Liiv, Merlin; Aliksaar, Tiiu; Vassiljev, Jüri; Sachse, Dirk Geophysical Research Abstracts 2018 / p. EGU2018-16115-1 <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-16115-1.pdf>
<http://adsabs.harvard.edu/abs/2018EGUGA..2016115A>

Timing and drivers of local to regional scale land-cover changes in the hemiboreal forest zone during the Holocene : a pollen-based study from South Estonia

Poska, Anneli; Väli, Vivika; Vassiljev, Jüri; Aliksaar, Tiiu; Saarse, Leili Quaternary Science Reviews 2022 / art. 107351

<https://doi.org/10.1016/j.quascirev.2021.107351> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tracking changes in the organic matter in a lake palaeoecosystem : a spectrophotometric approach

Leeben, Aina; Alliksaar, Tiiu; Heinsalu, Atko; Lepane, Viia; Veski, Siim Organic geochemistry 2008 / 8, p. 915-918 : ill

<https://doi.org/10.1016/j.orggeochem.2008.05.004>

Vertical distribution of DOM characteristic in sediment porewaters from Lake Peipsi, Estonia, as revealed by liquid chromatography

Makarõtsheva, Natalja; Lepane, Viia; Alliksaar, Tiiu 12th Nordic-Baltic IHSS Symposium on Natural Organic Matter in Environment and Technology : Tallinn, Estonia, June 14-17, 2009 : program and abstracts 2009 / p. 74