

Abrupt Alnus population decline at the end of the first millennium CE in Europe – The event ecology, possible causes and implications

Latalowa, Malgorzata; Święta-Musznicka, Joanna; Słowinski, Michal; **Stivrinš, Normunds** The Holocene 2019 / p. 1335-1349 : ill <https://doi.org/10.1177/0959683619846978> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Abrupt rise in the contribution of CH₄ derived carbon to benthic secondary production of a shallow hemiboreal/boreal lake

Belle, Simon; Tönno, Ilmar; **Stivrinš, Normunds**; Freiberg, Rene; **Veski, Siim** Journal of quaternary science 2018 / p. 969-976 : ill <https://doi.org/10.1002/jqs.3075> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Accumulation of metals and changes in composition of freshwater lake organic sediments during the Holocene

Stankevica, Karina; Vincevica-Gaile, Zane; Klavins, Maris; Kalnina, Laimdota; **Stivrinš, Normunds**; Grudzinska, Ieva; **Kaup, Enn** Chemical geology 2020 / art. 119502, 14 p. : ill <https://doi.org/10.1016/j.chemgeo.2020.119502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Anthropogenic impact on a seacoast landscape during the last 1300 years in central Latvia, Northeastern Europe

Stivrinš, Normunds; Doniņa, Inga; Auns, Muntis; **Blaus, Ansis**; **Liiv, Merlin**; Steinberga, Dace; Jasiunas, Nauris; Grudzinska, Ieva Geoarchaeology 2023 / 16 p <https://doi.org/10.1002/gea.21961>

Biotic turnover rates during the Pleistocene-Holocene transition

Stivrinš, Normunds; Soininen, Janne; **Amon, Leeli**; **Reitalu, Triin**; **Veski, Siim** Quaternary science reviews 2016 / p. 100-110 : ill <https://doi.org/10.1016/j.quascirev.2016.09.008>

Burial practices at Lapini curonian cremation cemetery, West Latvia, at the close of the iron age and in the middle ages (12th–14th/15th centuries)

Doniņa, Inga; **Stivrinš, Normunds**; Bērziņš, Valdis Archaeologia Baltica 2020 / p. 84-103 <https://doi.org/10.15181/AB.V2710.2179> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Carbon accumulation rate in a raised bog in Latvia, NE Europe, in relation to climate warming

Stivrinš, Normunds; **Liiv, Merlin**; Ozola, Ilze; **Reitalu, Triin** Estonian journal of earth sciences 2018 / p. 247–258 : ill <https://doi.org/10.3176/earth.2018.20> http://www.ester.ee/record=b2246661*est http://www.kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2018/issue_4/earth-2018-4-247-258.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Climatic and vegetational controls of Holocene wildfire regimes in the boreal forest of northern Fennoscandia

Remy, Cecile C.; Magne, Gwenaél; **Stivrinš, Normunds**; Aakala, Tuomas; **Asselin, Hugo**; Seppä, Heikki; Luoto, Tomi P.; Jasiunas, Nauris; Ali, Adam A. Journal of ecology 2023 / p. 845-860 : ill., map <https://doi.org/10.1111/1365-2745.14065>

Current wildland fire patterns and challenges in Europe : a synthesis of national perspectives

Fernandez-Anez, Nieves; Krasovskiy, Andrey; Müller, Mortimer; Vacik, Harald; Baetens, Jan; Hukić, Emira; Kapovic Solomun, Marijana; Atanassova, Irena; Glushkova, Maria; **Stivrinš, Normunds** Air, soil and water research 2021 / 19 p. : ill <https://doi.org/10.1177/1178622211028185> [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>

Determining reference conditions of hemiboreal lakes in Latvia, NE Europe: a palaeolimnological approach

Stivrinš, Normunds; Grudzinska, Ieva; **Elmi, Kati**; **Heinsalu, Atko**; **Veski, Siim** Annales de limnologie - International journal of limnology 2018 / art. 22, 12 p <https://doi.org/10.1051/limn/2018014> http://www.ester.ee/record=b2246661*est [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]

Tönno, 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>

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

Tönno, 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](#)

Fire frequency during the Holocene in central Latvia, northeastern Europe

Steinberga, Dace; **Stivriņš, Normunds** Estonian journal of earth sciences 2021 / p. 127-139 : ill <https://doi.org/10.3176/earth.2021.09>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Food availability and temperature optima shaped functional composition of chironomid assemblages during the Late Glacial–Holocene transition in Northern Europe

Stivriņš, Normunds; Belle, Simon; Trasune, Liva; **Blaus, Ansis; Salonen, Sakari** Quaternary science reviews 2021 / art. 107083
<https://doi.org/10.1016/j.quascirev.2021.107083> [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; Stivriņš, 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](#)

Holocene fire activity during low-natural flammability periods reveals scale-dependent cultural human-fire relationships in Europe

Dietze, Elisabeth; Theuerkauf, Martin; Bloom, Karolina; **Poska, Anneli; Stivriņš, Normunds; Vassiljev, Jüri; Veski, Siim** Quaternary science reviews 2018 / p. 44-56 : ill <https://doi.org/10.1016/j.quascirev.2018.10.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indicative value and training set of freshwater organic-walled algal palynomorphs (non-pollen palynomorphs)

Stivriņš, Normunds; Trasune, Liva; Jasiunas, Nauris; Kalnina, Laimdota; Briede, Agrita; Maksims, Alekss; Steinberga, Dace; Jeskins, Jurijs; Rendenieks, Zigmaris; **Veski, Siim** Quaternary science reviews 2022 / art. 107450, 19 p. : ill <https://doi.org/10.1016/j.quascirev.2022.107450> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Integrating fire-scar, charcoal and fungal spore data to study fire events in the boreal forest of northern Europe

Stivriņš, Normunds The Holocene 2019 / 11 p. : ill <https://doi.org/10.1177/0959683619854524> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigating the impact of anthropogenic land use on a hemiboreal lake ecosystem using carbon/nitrogen ratios and coupled-optical emission spectroscopy

Stivriņš, Normunds; Liiv, Merlin; Brow, Alex D.; Banerjea, Rowena Yvonne; Heinsalu, Atko; Veski, Siim Palaeogeography, palaeoclimatology, palaeoecology 2019 / p. 1-9 : ill <https://doi.org/10.1016/j.palaeo.2019.01.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Large herbivore population and vegetation dynamics 14,600–8300 years ago in central Latvia, northeastern Europe

Stivriņš, Normunds; Cerina, Aija; Galka, Mariusz; **Heinsalu, Atko**; Lõugas, Lembi; **Veski, Siim** Review of palaeobotany and palynology 2019 / p. 42-51 : ill <https://doi.org/10.1016/j.revpalbo.2019.04.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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; Stivriņš, 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](#)

Lateglacial vegetation dynamics in the eastern Baltic region between 14,500 and 11,400 cal yr BP : a complete record since the Bølling (GI-1e) to the Holocene

Veski, Siim; Amon, Leeli; Heinsalu, Atko; Reitalu, Triin; Saarse, Leili; Stivriņš, Normunds; Vassiljev, Jüri Quaternary science reviews 2012 / p. 39-53 : ill

Long-Term Consequences of Water Pumping on the Ecosystem Functioning of Lake Sekšu, Latvia

Zawiska, Izabela; Dimante-Deimantovica, Inta; Luoto, Tomi P.; **Stivriņš, Normunds** Water 2020 / art. 1459
<https://doi.org/10.3390/w12051459> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modern pollen and non-pollen palynomorphs along an altitudinal transect in Jammu and Kashmir (Western Himalaya), India

Quamar, Firoze; **Stivriņš, Normunds** Palynology 2021 / p. 669-684 <https://doi.org/10.1080/01916122.2021.1915402> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Natural and human-transformed vegetation and landscape reflected by modern pollen data in the boreonemoral zone of Northeastern Europe

Stivriņš, Normunds; Briede, Agrita; Steinberga, Dace; Jasiunas, Nauris; Jeskins, Jurijs; Kalnina, Laimdota; Maksims, Alekss; Rendenieks, Zigmaris; Trasune, Liva Forests 2021 / art. 1166 <https://doi.org/10.3390/f12091166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Non-pollen palynomorphs from 78 surface sediment samples reveal spatial distribution of phytoplankton in Latvian lakes and ponds

Stivrinš, Normunds Estonian journal of earth sciences 2023 / p. 226-235 <https://doi.org/10.3176/earth.2023.87>

Palaeoecological data indicates land-use changes across Europe linked to spatial heterogeneity in mortality during the Black Death pandemic

Izdebski, Adam; Guzowski, Piotr; Poniat, Radosław; Masci, Lucrezia; Palli, Jordan; Vignola, Cristiano; Bauch, Martin; Coccozza, Carlo; Fernandes, Ricardo; Ljungqvist, Fredrik; **Poska, Anneli; Reitalu, Triin; Stivrinš, Normunds; Veski, Siim** Nature Ecology & Evolution 2022 / p. 297-306 <https://doi.org/10.1038/s41559-021-01652-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Palaeoenvironmental evidence for the impact of the crusades on the local and regional environment of medieval (13th-16th century) northern Latvia, eastern Baltic

Stivrinš, Normunds; Brown, Alex; **Veski, Siim;** Ratniece, Vita; **Heinsalu, Atko;** Austin, Jennifer; **Liiv, Merlin;** Cerina, Aija The Holocene 2016 / p. 61-69 : ill <https://doi.org/10.1177/0959683615596821>

Postglacial environmental conditions, vegetation succession and human impact In Latvia = Pärastjääaja keskkonnatingimused, taimeistik ja inimõju Lätis

Stivrinš, Normunds 2015

Quartz grains reveal sedimentary palaeoenvironment and past storm events : a case study from eastern Baltic

Kalinska-Nartiša, Edyta; **Stivrinš, Normunds;** Grudzińska, Ieva Estuarine, coastal and shelf science 2018 / p. 359-370 : ill <https://doi.org/10.1016/j.ecss.2017.11.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sedimentary Ancient DNA (sedaDNA) Reveals Fungal Diversity and Environmental Drivers of Community Changes throughout the Holocene in the Present Boreal Lake Lielais Svētīņu (Eastern Latvia)

Talas, Liisi; **Stivrinš, Normunds;** **Veski, Siim;** Tedersoo, Leho; Kisand, Veljo Microorganisms 2021 / art. 719, 21 p. : ill., map <https://doi.org/10.3390/microorganisms9040719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Eurasian modern pollen database (EMPD), version 2

Davis, B.A.S.; Chevalier, M.; Sommer, P.; **Stivrinš, Normunds** Earth system science data 2020 / p. 2423-2445 <https://doi.org/10.5194/essd-12-2423-2020>

The final meltdown of dead-ice at the Holocene Thermal Maximum (8500–7400 cal. yr BP) in western Latvia, eastern Baltic

Stivrinš, Normunds; **Liiv, Merlin;** **Heinsalu, Atko;** Galka, Mariusz; **Veski, Siim** The Holocene 2017 / p. 1146-1157 : ill <https://doi.org/10.1177/0959683616683255>

The Reading Palaeofire Database : an expanded global resource to document changes in fire regimes from sedimentary charcoal records

Harrison, Sandy P.; Villegas-Diaz, Roberto; Cruz-Silva, Esmeralda; Gallagher, Daniel; Kesner, David; Lincoln, Paul; **Lisitsyna, Olga;** **Poska, Anneli;** **Stivrinš, Normunds;** **Vassiljev, Jüri** Earth system science data 2022 / p. 1109–1124 <https://doi.org/10.5194/essd-14-1109-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards understanding the abundance of non-pollen palynomorphs: a comparison of fossil algae, algal pigments and sedaDNA from temperate lake sediments

Stivrinš, Normunds; Soininen, Janne; Tönno, Ilmar; Freiberg, Rene; **Veski, Siim;** Kisand, Veljo Review of palaeobotany and palynology 2018 / p. 9-15 : ill <https://doi.org/10.1016/j.revpalbo.2017.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Widespread, episodic decline of alder (Alnus) during the medieval period in the boreal forest of Europe

Stivrinš, Normunds; Buchan, Michelle S.; Disbrey, Helena R.; **Veski, Siim** Journal of quaternary science 2017 / p. 903-907 : ill <http://dx.doi.org/10.1002/jqs.2984>