

Ameliorating effect of nitrate on nitrite inhibition for denitrifying P-accumulating organisms

Zekker, Ivar; Mandel, Anni; Rikmann, Ergo; **Jaagura, Madis**; Salmar, Siim; Ghangrekar, Makarand Madhao; Tenno, Taavo Science of the total environment 2021 / art. 149133, 10 p. : ill <https://doi.org/10.1016/j.scitotenv.2021.149133> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ammoniaakaalse lämmastiku määramisest gaasifaasis elektrokeemilise NH₃-anduriga

Arulepp, M.; Kender, T.; Loodmaa, V.; Tenno, T. XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 17

Atmospheric forcing controlling inter-annual nutrient dynamics in the open Gulf of Finland

Lehtoranta, Jouni; Savchuk, Oleg P.; **Elken, Jüri** Journal of marine systems 2017 / p. 4-20 : ill <https://doi.org/10.1016/j.jmarsys.2017.02.001>

C/N ratio and carbon source-dependent lipid production profiling in *Rhodotorula toruloides*

Lopes, Helberth Júnior Santos; Bonturi, Nemailla; Kerkhoven, Eduard Johannes; Miranda, Everson Alves; **Lahtvee, Petri-Jaan** Applied Microbiology and Biotechnology 2020 / p. 2639 - 2649 <https://doi.org/10.1007/s00253-020-10386-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Changes in nutrient emissions, fluxes and retention in a North-Eastern European lowland drainage basin

Mourad, Daniel S.J.; Perk, Marcel van der; **Piirimäe, Kristjan** Environmental monitoring and assessment 2006 / 1, p. 415-448 : ill <https://link.springer.com/content/pdf/10.1007/s10661-005-9071-y.pdf>

Characterisation of samarium and nitrogen co-doped TiO₂ films prepared by chemical spray pyrolysis

Oja Acik, Ilona; Kiisk, Valter; **Krunks, Malle**; Sildos, Ilmo; **Junolainen, Agne; Danilson, Mati; Mere, Arvo; Mikli, Valdek** Applied surface science 2012 / p. 735-741 : ill

Characterization of samarium and nitrogen doped TiO₂ films prepared by spray pyrolysis

Oja Acik, Ilona; Junolainen, Agne; Kiisk, Valter; Sildos, Ilmo; **Danilson, Mati; Krunks, Malle** EMRS-2010 Spring Meeting : Strasbourg, France, June 7-11 : program and book of abstracts. Symposium K 2010 / p. 4

Climate change and the potential effects on runoff and nitrogen losses in the Nordic–Baltic region

Oygarden, Lillian; Deelstra, Johannes; **lital, Arvo** Agriculture, ecosystems and environment 2014 / p. 114-126 : ill

Comparison of two one-dimensional nitrogen leaching models at the watershed scale

Vassiljev, Anatoli Environmental engineering science 2006 / 1, p. 225-229 : ill <https://www.liebertpub.com/doi/10.1089/ees.2006.23.225>

Doktoritöö: Läänemere viisaastakuplaaniga puhastamine on naiivne

Harrik, Airika novaator.err.ee 2023 [Doktoritöö: Läänemere viisaastakuplaaniga puhastamine on naiivne](#)

A dual-porosity model for nitrogen leaching from a watershed

Vassiljev, Anatoli; Grimvall, A.; Larson, M. Hydrological sciences journal 2004 / p. 313-322 <https://doi.org/10.1623/hysj.49.2.313.34836>

Eesti põlevkiviteaduse grand old lady: põlevkivi ei saa kivisöega samasse patta panna [Võrguväljaanne]

arileht.delfi.ee 2021 ["Eesti põlevkiviteaduse grand old lady: põlevkivi ei saa kivisöega samasse patta panna"](#)

Eestis ja Lätis loodusesse jõudnud lämmastikuvood mõõdeti ära

Imeline Teadus 2019 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Enhanced efficiency of nitrifying-anammox sequencing batch reactor achieved at low decrease rates of oxidation-reduction potential

Zekker, Ivar; Kivirüüt, Aimar; Rikmann, Ergo; Mandel, Anni; **Jaagura, Madis**; Tenno, Toomas; Artemchuk, Oleg; Rubin, Sergio Dc; Tenno, Taavo Environmental Engineering Science 2019 / p. 350-360 <https://doi.org/10.1089/ees.2018.0225> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of the share of total nutrient load from the territory of Estonia along the Narva river to the Baltic Sea

Reihan, Alvina; Roosalu, Kati Proceedings 2023 / art. 44 <https://doi.org/10.3390/proceedings2023092044>

Exploring different synthesis parameters for the preparation of metal-nitrogen-carbon type oxygen reduction catalysts

Teppor, Patrick; Jäger, Rutha; Härk, Eneli; Sepp, Silver; Kook, Mati; **Volobujeva, Olga**; Paiste, Päärn; Kochovski, Zdravko; Tallo, Indre; Lust, Enn Journal of the Electrochemical Society 2020 / art. 054513 <https://doi.org/10.1149/1945-7111/ab7093> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fabrication of novel metal, nitrogen co-doped carbon materials based on a unique organic ligand = Uue orgaanilise ligandi kasutuselevõtt metalli ja lämmastikuga rikastatud süsinikmaterjalide sünteesimiseks

Alam, Mahboob 2022 <https://doi.org/10.23658/taltech.59/2022> <https://digikoogu.taltech.ee/et/Item/c29cf2b3-8776-47b8-82dc-3eb33cb56941> https://www.ester.ee/record=b5524927*est

Fosforin ja typen poisto pitkäilmastusprosessissa

Ennet, Peeter Vesitalous 1980 / lk. 26-28 : ill https://www.ester.ee/record=b1202641*est

Harjumaa reovee fosforiga saaks väetada suurema osa maakonna põldudest [Võrguväljaanne]

Harrik, Airika novaator.err.ee 2020 / fot [Harjumaa reovee fosforiga saaks väetada suurema osa maakonna põldudest](#)

Highly active wood-derived nitrogen-doped carbon catalyst for the oxygen reduction reaction

Kaare, Kätlin; Yu, Eric; Volperts, Aleksandrs; Dobeles, Galina; Zhurinsk, Aivars; Dyck, Alexaner; Niaura, Gediminas; Tamasauskaitė-Tamasiunaite, Loreta; Norkus, Eugenijus; Andrulevičius, Mindaugas; **Danilson, Mati**; Kruusenberg, Ivar ACS omega 2020 / p. 23578-23587 : ill <https://doi.org/10.1021/acsomega.0c01974> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Human impacts and their interactions in the Baltic Sea region

Reckermann, Marcus; Omstedt, Anders; **Soomere, Tarmo**; Aigars, Juris; Akhtar, Naveed; Beldowska, Magdalena; Beldowski, Jacek; Cronin, Tom; Czub, Michal; **Eero, Margit**; **Parnell, Kevin Ellis**; **Poska, Anneli** 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : Conference Proceedings 2022 / p. 140-141 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

Hydrological pathways and nitrogen runoff in agricultural dominated catchments in Nordic and Baltic countries

Deelstra, Johannes; **lital, Arvo** Agriculture, ecosystems and environment 2014 / p. 211-219 : ill

Identification of active sites for oxygen reduction reaction on nitrogen- and sulfur-codoped carbon catalysts

Villemson, Karl Markus; **Kaare, Kätlin**; Raudsepp, Ragle; Käambre, Tanel; Šmits, Krišjānis; Wang, Pangpang; Kuzmin, Anton V.; Šutka, Andris; Shaiyan, Bagrat A.; Kruusenberg, Ivar Journal of physical chemistry C 2019 / p. 16065-16074 <https://doi.org/10.1021/acs.jpcc.9b00117>

Introduction : nitrogen losses from agriculture in the Baltic Sea region

Stalnacke, Per; Bechmann, Marianne; **lital, Arvo** Agriculture, ecosystems & environment 2014 / p. 1-3

Investigation of possible nutrient sources in Estonian rivers

Vassiljev, Anatoli; **Margus, Gertu**; **Annus, Ivar**; Stalnacke, Per Procedia engineering 2016 / p. 188-195 : ill <http://dx.doi.org/10.1016/j.proeng.2016.11.038>

Is the destabilisation of Lake Peipsi ecosystem caused by increased phosphorus loading or decreased nitrogen loading?

Nõges, Tiina; Laugaste, Reet; **Loigu, Enn**; Nedogarko, I.; Skakalski, Boris; Nõges, Peeter Water science & technology Water science and technology 2005 / 3/4, p. 267-274 : ill

Long-term monitoring of nutrient losses from agricultural catchments in the Nordic–Baltic region – a discussion of methods, uncertainties and future needs

Kyllmar, Katarina; Bechmann, Marianne; **lital, Arvo** Agriculture, ecosystems and environment 2014 / p. 4-12 : ill

Lämmastik ja fosfor - mida jõgede vesi meile kõneleb?

lital, Arvo loodusajakiri.ee 2023 / Lk. 26-28 <https://dea.digar.ee/article/AKeestiloodus/2023/07/0/14.1> <https://www.loodusajakiri.ee/lammastik-ja-fosfor-mida-jogede-vesi-meile-koneleb/>

Lämmastik keskkonnas - liiga palju head asja

lital, Arvo Postimees 2019 / lk. 16-17 [Inimmõju lämmastikuringele tuleb vähendada](#)

Lämmastiku- ja fosforiäristus reovee aktiivmudapuhastuses

Mölder, Heino; **Sokk, Olev** Keskkonnatehnika 2002 / 2, lk. 16

Läänemeri maksab 50 aastat tagasi tehtud rumaluste eest veel pikalt lõivu

Velleste, Eget LP : Eesti Päevaleht 2021 <https://dea.digar.ee/article/lp/2021/04/16/23.1>

Läänemeri maksab 50 aastat tagasi tehtud rumaluste eest veel pikalt lõivu [Võrguväljaanne]

Velleste, Eget epl.delfi.ee 2021 ["Läänemeri maksab 50 aastat tagasi tehtud rumaluste eest veel pikalt lõivu"](#)

Measurement of ammonia in air with electrochemical NH3-sensor

Arulepp, M.; Kender, T.; Loodmaa, V.; Tenno, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 17

Mitigating diffuse nitrogen losses in the Nordic-Baltic countries

Andersen, Hans Estrup; Blicher-Mathiesen, Gitte; **lital, Arvo** Agriculture, ecosystems and environment 2014 / p. 53-60 : ill

Modelling of nitrogen leaching from watersheds with large drained peat areas

Vassiljev, Anatoli; **Kaur, Katrin**; **Annus, Ivar** Advances in engineering software 2018 / p. 94-100 : ill

Nitrogen and phosphorus losses in Nordic and Baltic agricultural monitoring catchments-Spatial and temporal variations in relation to natural conditions and mitigation programmes

Kyllmar, Katarina; Bechmann, Marianne; Blicher-Mathiesen, Gitte; Fischer, Franziska Katharina; Folster, Jens; **lital, Arvo**; Lagzdins, Ainis; Povilaitis, Arvydas; Rankinen, Katri CATENA 2023 / art. 107205 <https://doi.org/10.1016/j.catena.2023.107205>

Nitrogen application, balances and their effect on water quality in small catchments in the Nordic-Baltic countries

Bechmann, Marianne; Blicher-Mathiesen, Gitte; Kyllmar, Katarina; **lital, Arvo**; Lagzdins, Ainis; Salo, Tapio Agriculture, ecosystems and environment 2014 / p. 104-113 : ill

Nitrogen content and trends in agricultural catchments in Estonia

lital, Arvo; Klõga, Marija; Pihlak, Margus; Pachel, Karin; Zahharov, Andre; **Loigu, Enn** Agriculture, ecosystems and environment 2014 / p. 44-53 : ill

Nitrogen isotopes in kukersite and black shale implying Ordovician-Silurian seawater redox conditions

Kiipli, Enli; **Kiipli, Tarmo** Oil shale 2013 / p. 60-75 : ill

Nitrogen surface water retention in the Baltic Sea drainage basin

Stalhacke, Per; Pengerud, Annelene; **Vassiljev, Anatoli** Hydrology and earth system sciences 2015 / p. 981-996 : ill

Organics and nitrogen removal from phenolic wastewater with combined treatment

Kamenev, Inna; **Viiroja, Andres**; **Munter, Rein**; **Kallas, Juha** Proceedings IWA Specialized Conference "Nutrient Management in Wastewater Treatment Processes and Recycle Streams" : Krakow, Poland, September 19-21, 2005 2005 / p. 1095-1099

Overview of water quality problems in Estonia with the focus on drained peat areas as a source of nitrogen

Vassiljev, Anatoli; Blinova, Irina Understanding Freshwater Quality Problems in a Changing World : [proceedings] 2013 / p. 69-76 : ill

Phase transformations in porous materials studied by in situ solid-state NMR spectroscopy and in situ X-ray diffraction

Paula, Carolin; Wisser, Dorothea; Rangus, Mojca; **Vanatalu, Kalju**; **Oss, Andres**; **Org, Mai-Liis**; **Samoson, Ago**; Hartmann, M. The journal of physical chemistry C 2020 / p. 19136-19145 : ill <https://doi.org/10.1021/acs.jpcc.0c05921> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reaction of large and shallow lakes Peipsi and Võrtsjärv to the changes of nutrient loading

Nõges, Tiina; Järvet, Arvo; Kisand, Anu; Laugaste, Reet; **Loigu, Enn**; Skakalski, Boris; Nõges, Peeter Hydrobiologia 2007 / p. 253-264 <https://link.springer.com/article/10.1007/s10750-007-0603-z>

A reactive nitrogen budget for forest land and wetlands in Latvia and Estonia

Bardule, Arta; **lital, Arvo**; Lazdiņa, Dagnija; Karkliņa, Ilze; Libiete, Zane Scandinavian journal of forest research 2020 / p. 513-522 <https://doi.org/10.1080/02827581.2020.1825788> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reoveepuhastuse analüüsimetodeid : lisa 4

Kõrgmaa, Vallo; **Lember, Erki**; Kivirüüt, Aimar; Tenno, Taavo Reoveepuhastuse käsiraamat 2023 / lk. 739-749 <https://lifecleanest.ee/sites/cleanest/files/2023-10/>

Scenarios for reduction of nutrient load from point sources in Estonia

Pachel, Karin; **Klõga, Marija**; **lital, Arvo** Hydrology research 2012 / p. 374-382 <https://iwaponline.com/hr/article/43/4/374/978/Scenarios-for-reduction-of-nutrient-load-from>

Shungite-derived graphene as a carbon support for bifunctional oxygen electrocatalysts

Kazimova, Nargiz; **Ping, Kefeng**; **Alam, Mahboob**; **Danilson, Mati**; Merisalu, Maido; Aruväli, Jaan; Paiste, Pääm; Käärik, Maike; **Mikli, Valdek**; Leis, Jaan; Tammeveski, Kaido; **Starkov, Pavel**; Kongi, Nadežda Journal of catalysis 2021 / p. 178-187 <https://doi.org/10.1016/j.jcat.2021.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulations of graphene nanoribbon field effect transistor for the detection of propane and butane gases : a first principles study

Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Nanomaterials 2020 / art. 98 <https://doi.org/10.3390/nano10010098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simultaneous utilization of ammonia, free amino acids and peptides during fermentative growth of Saccharomyces cerevisiae

Kevvai, Kaspar; **Kütt, Mary-Liis**; **Nisamedtinov, Ildar**; **Paalme, Toomas** Journal of the Institute of Brewing 2016 / p. 110-115 : ill <http://dx.doi.org/10.1002/jib.298>

Source apportionment of nitrogen and phosphorus influencing the water quality in the Lake Peipsi basin

Vassiljev, Anatoli; Stalhacke, Per Abstract volume from VI Russian Hydrological Congress (28 Sept. - 1 Oct. 2004). 4 2004 / p. 5-6

Source apportionment of nitrogen in Estonian rivers

Kaur, Katrin; Vassiljev, Anatoli; Annus, Ivar; Stalnacke, Per Journal of water supply : research and technology - AQUA 2017 / p. 469-480 <https://doi.org/10.2166/aqua.2017.036>

A study on the nitrogen metabolism in cultured Sf-9 insect cells using ¹⁵N-labeled substrates and ¹H/¹⁵N NMR spectroscopy

Drews, Monika; Doverskog, M.; Öhman, L.; Jakobson, U.; Kuchel, P.; Häggström, L. Animal Cell Technology : New Development - New Applications : abstracts of 15th ESACT Meeting, Val-de-Loire, France, Sept. 7-11, 1997 1997 / p. 8.P9

Temporal trends in nitrogen concentrations and losses from agricultural catchments in the Nordic and Baltic countries

Stalnacke, Per; Aakeroy, Paul Andreas; **lital, Arvo** Agriculture, ecosystems and environment 2014 / p. 94-103 : ill

Temporal trends in nitrogen concentrations in Estonian rivers

Klõga, Marija; Maharjan, Bharat Journal of water security 2015 / p. 37-45 : ill

The intensification of removal of nitrogen and phosphorus from wastewater of Tallinn

Blonskaja, Viktoria; Mölder, Heino Theses of the reports of the VIII Symposium Concerning the Problems of Waterbodies Water Quality, Tallinn, Oct. 23-25, 1990 1990 / p. 14-16

Typen ja fosforin huuhtoutuminen viljelymailta pieniin jokivesistöihin = Washing out of nitrogen and phosphorus compounds from cultivated fields to river systems

Velner, Harald-Adam; Loigu, Enn Voimaperäisen peltotalouden ja karjanhoidon hajakuormitusten vaikutus vesivaroihin 1980 / s. 18-27

Use of nonlinear regression for estimating emission of nitrogen to Estonian rivers

Vassiljev, Anatoli; Annus, Ivar; Kaur, Katrin; Kändler, Nils Ecology & safety 2017 / p. 33-40 : ill <https://www.scientific-publications.net/en/article/1001351/>

Väävli ja lämmastiku atmosfäärne saastekoormus Sõrves 1987-1989. a.

Roots, Ott; Saare, Leo Kaasaegse ökoloogia probleemid : ökoloogia ja energeetika : Eesti V ökoloogiakonverentsi teesid : Tartu, 24.-26. apr. 1991 = Problems of contemporary ecology : ecology and energetics 1991 / lk. 148-150
https://www.ester.ee/record=b1188990*est

Влияние разных источников азотного питания на рост каллусной культуры

Abdvahhitova, Alija; Kreen, Malle; Tuhbatullina, L.; Šamina, Z. Всесоюзная конференция "Новые направления биотехнологии" : (13-15 октября 1986 г., Пущино) : тезисы докладов 1986 / с. 181-182 https://www.ester.ee/record=b1827832*est

Вынос азота и фосфора с сельскохозяйственных угодий в малые водотоки (на примере Эстонской ССР)

Loigu, Enn; Velner, Harald-Adam Воздействие рассредоточенных нагрузок интенсивного полевого хозяйства и животноводства на водные ресурсы 1980 / с. 45-51

Выращивание плесневого гриба Asp. cryzae 3-9-15 на сыворотке

Laos, A.; Kann, Aino XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 61 https://www.ester.ee/record=b1379468*est

Интенсификация удаления азота и фосфора из сточных вод г. Таллинна

Blonskaja, Viktoria; Mölder, Heino VIII симпозиум по проблемам качества воды водоемов : тезисы докладов, Таллинн, 23-25 октября 1990 г 1990 / с. 15-16

Исследование образования окислов азота при сжигании содержащего азот жидкого топлива

Ots, Arvo; Jegorov, Dimitri; Saar, Karl Сжигание топлив с минимальными вредными выбросами : тезисы докладов II Всесоюзного научно-технического семинара 1978 / с. 79-80 https://www.ester.ee/record=b1281001*est

Об определении экологических ПДК для минеральных форм азота, фосфора и кремния в водных объектах

Säärekõnno, Jüri Tallinna Tehnikaülikooli Toimetised 1990 / lk. 32-36: ill

Образование окислов азота из азота жидкого топлива

Ots, Arvo; Jegorov, Dmitri; Saar, Karl Исследования проблем работы парогенераторов электростанций 1978 / с. 37-44

Спин-решеточная релаксация ядер азота в жидкостях : автореферат ... кандидата физико-математических наук (056)

Saluvere, Tiit 1971 https://www.ester.ee/record=b1389528*est

**Спин-решеточная релаксация ядер азота в жидкостях : (химическая физика 056) : диссертация на соискание
ученой степени кандидата физико-математических наук**
Saluvere, Tiit 1971 https://www.eester.ee/record=b3040185*est

Удаление азота в малых аэрационных сооружениях

Ennet, P. Неустановившееся движение жидкости в трубах 1980 / с. 111-117