


Curriculum vitae (CV)

Personal information	
	First name, last name Karina Stankevica
	Birth data July 9, 1984
Education	
2011-2017:	University of Latvia, Faculty of Geography and Earth Sciences. Ph.D student (ISCED-2011/ISCED-A classification level: 860)
2009-2011:	University of Latvia, Faculty of Geography and Earth Sciences Master's Degree of Natural Sciences in Environmental Science (ISCED-2011/ISCED-A classification level: 750)
2004-2009:	Latvian University of Agriculture, Faculty of Rural Engineering Professional Bachelor's Degree in Landscape Architecture and Planning (ISCED-2011/ISCED-A classification level: 650)
Current employment	
Researcher at the University of Latvia, Faculty of Geography and Earth Sciences	
Previous employment	
2008-2009: Project manager of landscapes , Celtmehserviss Ltd.	
Research experience	
<u>Projects:</u>	
01.09.2016-28.02.2017:	Project leader, researcher within the Effective Collaboration Project of University of Latvia "Properties and application potential of biomass ashes".
26.09.2016-31.03.2017:	Expert within the LVAF project „ Analysis of the quality of data on peat deposits in Latvia, preparation of recommendations for their improvement and use in preparation of the basic strategy documents" (2 stage)
01.01.2016-31.12.2016:	Researcher within the State Research Programs in Latvia "Sustainable use of natural resources in the context of climate change".
01.09.2015-31.12.2015:	Researcher within the State Research Programs in Latvia "Soils improving and recultivation materials and technology for urban contaminated sites".
01.02.2013-31.08.2015:	Researcher within the ESF project "Interdisciplinary team of young scientists for assessment and restoration of soil quality and usage potential in Latvia"
20.10.2011-31.01.2013:	Researcher within the ERDF project "Innovation in peat research and the creation of new products, containing peat"
<u>Scientific publications:</u>	
1.	VINCEVICA-GAILE, Z., STANKEVICA, K., OBUKA, V., CELMA, S., KLAVINS, M., SHISHKINS, M. Granulation of fly ash and biochar with organic lake sediments – a way to sustainable utilization of by-products from energy production. <i>Fuel</i> [accepted, in press].
2.	VINCEVICA-GAILE, Z., GRINFELDE, I., STANKEVICA, K., BERZINS, E., KLAVINS, M. (2018) Characterisation of wood combustion fly ash in a context of applicability in agriculture. <i>GeoConference Proceedings</i> [accepted, in press].
3.	STANKEVICA K. , VINCEVICA-GAILE Z., MUTER O. & KLAVINS M. (2016) Physiological response of bacteria consortium to the presence of intact and autoclaved freshwater sapropel (gyttja) derived in the eastern Latvia. In: <i>Microbes in the Spotlight: Recent Progress in the</i>

- Understanding of Beneficial and Harmful Microorganisms, BrownWalker Press [accepted, in press]
4. OBUKA V., VEITMANS K., VINCEVICA-GAILE Z., **STANKEVICA K.** & KLAVINS M. (2016) Sapropel as an adhesive: Assessment of essential properties. *Research for Rural Development* [accepted, in press]
 5. **STANKEVICA K.**, VINCEVICA-GAILE Z. & KLAVINS M. (2016) Freshwater sapropel (gyttja): Its description, properties and opportunities of use in contemporary agriculture. *Agronomy Research*, 14(3), 929-947, URL: <http://agronomy.emu.ee/tag/lake-sediments/>. (SCOPUS)
 6. **STANKEVICA K.**, KALNINA L., CERINA A., KLAVINS M., USTUPE L. & KAUP E. (2015) Reconstruction of the Holocene palaeoenvironmental conditions accordingly to the multiproxy sedimentary records from lake Pilvelis, Latvia. *Quaternary International*, 386, 102–115, DOI: [10.1016/j.quaint.2015.02.031](https://doi.org/10.1016/j.quaint.2015.02.031). (SCOPUS)
 7. **STANKEVICA K.**, PUJATE A., KALNINA L., KLAVINS M., CERINA A. & DRUCKA A. (2015) Records of the anthropogenic influence on different origin small lake sediments of Latvia. *Baltica*, 28(2), 135-150. DOI: [10.5200/baltica.2015.28.12](https://doi.org/10.5200/baltica.2015.28.12). (SCOPUS)
 8. VINCEVICA-GAILE Z., STAPKEVICA M., **STANKEVICA K.** & BURLAKOV J. (2015) Testing sapropel (gyttja) as soil amendment: assessment of plant germination and early seedling development. *Research for Rural Development*, 1, 88-94.
 9. OBUKA V., ŠINKA M., KĻAVIŅŠ M., **STANKEVIČA K.** & KORJAKINS A. (2015) Sapropel as a binder: properties and application possibilities for composite materials. IOP Conference Series- Materials Science and Engineering, 96: 2nd International Conference on Innovative Materials, Structures and Technologies (IMST), DOI: [10.1088/1757-899X/96/1/012026](https://doi.org/10.1088/1757-899X/96/1/012026). (SCOPUS)
 10. VINCEVICA-GAILE Z., BURLAKOV J. & **STANKEVICA K.** (2015) Phytoremediation as effective clean-up approach: its perspectives of use in practice. In: Truu J., Kalnenieks U. (eds.) *Soil Ecosystem Health and Management of Contaminated Sites*. University of Tartu Press, 83-101.
 11. **STANKEVICA K.**, VINCEVICA-GAILE Z. & MUTER O. (2015) Microbial community analysis of sapropel (gyttja) derived from small overgrowing lakes in the eastern Latvia. In: Truu J., Kalnenieks U. (eds.) *Soil Ecosystem Health and Management of Contaminated Sites*. University of Tartu Press, 66-82.
 12. BUNERE S., **STANKEVIČA, K.** & KLAVINS M. (2014) Effects of sapropel on the growth of radish (*Raphanus sativus L.*). Proceedings of the 56th International Scientific Conference of Daugavpils University, 16-24, URL: http://www.dukonference.lv/files/proceedings_of_conf/978-9984-14-701-7_56%20konf%20kraj_A_Dabaszin.pdf
 13. BURLAKOV J., JANOVSKIS R., **STANKEVICA K.**, HASSAN I., LACIS S. (2014) Removal of Heavy Metals from Contaminated Soils by Electrokinetic Remediation. *Proceedings of Conference Research for Rural Engineering*, 2, 122-126. (SCOPUS)
 14. **STANKEVICA K.**, BURLAKOV J., KLAVINS M. & VINCEVICA-GAILE Z. (2014) Environmental and economic aspects of small freshwater lake sustainable use: Lake Pilvelis example. SGEM 2014 GeoConference Proceedings on Ecology Economics, Education and Legislation, 3, 127-134, DOI: [10.5593/SGEM2014/B53/S21.018](https://doi.org/10.5593/SGEM2014/B53/S21.018) (SCOPUS)
 15. **STANKEVICA K.**, VINCEVICA-GAILE Z. & KLAVINS M. (2014) Influence of sapropel (gyttja) on trifolium pratense seeds germination in presence of copper. SGEM 2014 GeoConference Proceedings on Soils, Forest Ecosystems, Marine & Ocean Ecosystems, 2, 175-182, DOI: [10.5593/SGEM2014/B32/S13.02](https://doi.org/10.5593/SGEM2014/B32/S13.02) (SCOPUS)
 16. USTUPE L., CERIŅA A., **STANKEVIČA K.**, KALNIŅA L. & KĻAVIŅŠ M. (2013) Paleovegetation changes in the Lake Pilvelis. *In:* Kļaviņš M., Kalniņa L. (eds.) *Bog and Lake Research in Latvia*, 36-44.
 17. **STANKEVICA K.**, BURLAKOV J., KLAVINS M. (2013) Organic rich freshwater sediments (sapropel) as potential soil amendment for recultivation of contaminated with heavy metal compounds areas. *13th SGEM GeoConference Proceedings on Water Resources. Forest, Marine*

and Ocean Ecosystems, 595-602. (SCOPUS)

18. **STANKEVICA K.** & **KLAVINS M.** (2013) Sapropel and its possibilities of use. *Scientific Materials Sciences and Applied Chemistry*, 29, 109-126. (in Latvian)
19. **STANKEVICA K.**, **KLAVINS M.** & **RUTINA L.** (2012) Accumulation of Metals in Sapropel. *Material Science and Applied Chemistry*, 26, 99-105.

Participation in conferences:

1. **BĒRZIŅŠ, E.**, **STANKEVIČA, K.**, **VINCĒVIČA-GAILE Z.**, **KĻAVIŅŠ, M.** Poster presentation at the 75th Scientific Conference of the University of Latvia "Effect of wood charcoal on *Calendula officinalis* seed germination and growth of *Poa pratensis*"
2. **STANKEVICA K.**, **VINCEVICA-GAILE Z.**, **MUTER O.** & **KLAVINS M.** Poster presentation at the International Conference "BioMicroWorld", 2015, Barcelona, Spain. "Physiological response of bacteria consortium to the presence of intact and autoclaved freshwater sapropel (gyttja) derived in the eastern Latvia".
3. **STANKEVICA K.** & **VINCEVICA-GAILE Z.** Poster presentation at the 6th International Conference on Medical Geology, 2015, Aveiro, Portugal. "Studies of freshwater sediments (gyttja): analysis of composition and chemical properties".
4. **VINCEVICA-GAILE Z.** & **STANKEVICA K.** Poster presentation at the 6th International Conference on Medical Geology, 2015, Aveiro, Portugal. "Impact of micro- and macroelement content on potential use of freshwater sediments (gyttja) derived from lakes of Latvia".
5. **STANKEVICA K.**, **VINCEVICA-GAILE Z.** & **MUTER O.** Oral presentation at the 2nd Congress of Baltic Microbiologist, 2014, Tartu, Estonia. "Microbiological community analyses of sapropel (gyttja) derived from overgrowing lakes in the Eastern Latvia".
6. **STANKEVICA K.**, **VINCEVICA-GAILE Z.** & **NIKOLAJEVA V.** Poster presentation at the 2nd Congress of Baltic Microbiologist, 2014, Tartu, Estonia. "Identification of microorganisms in freshwater sapropel from the lakes of Latvia"
7. **VINCEVICA-GAILE Z.**, **BURLAKOV J.** & **STANKEVICA K.** Poster presentation at the 2nd Congress of Baltic Microbiologist, 2014, Tartu, Estonia. "Phytoremediation as effective clean-up approach: its perspectives of use in practice".
8. **STANKEVICA K.**, **VINCEVICA-GAILE Z.** & **KLAVINS M.** Poster presentation at the 14th international GeoConference, 2014, Albena, Bulgaria. "Influence of sapropel (gyttja) on *Trifolium pratense* seeds germination in presence of copper."
9. **STANKEVICA K.**, **BURLAKOV J.**, **KLAVINS M.** & **VINCEVICA-GAILE Z.** Poster presentation at the 14th international GeoConference. "Environmental and economic aspects of small freshwater lake sustainable use: Lake Pilvelis example".
10. **STANKEVIČA K.**, **RŪTIŅA L.**, **BUNERE S.**, **CERIŅA A.**, **USTUPE L.** & **KĻAVIŅŠ M.** Oral presentation at the International Conference "Peat and humic substances and their application", 2013, Riga, Latvia. "Sapropel diagenesis in Latvia, properties and application potential".
11. **BUNERE S.**, **STANKEVIČA K.** & **KĻAVIŅŠ M.** Poster presentation at the International Conference "Peat and humic substances and their application", 2013, Riga, Latvia. "Effects of humic substances derived from sapropel on the growth of radish (*Raphanus sativus L.*)".

Patents:

1. **STANKEVIČA K.** (2015) Extraction method of biologically active humic substances. LV 15014 A
2. **BUTOV V.**, **STANKEVIČA K.** (2010) Method for the production of organic and organic-mineral fertilizers and a device for its realization. LV 14202 B.

Awards and scholarships
2011-2016: <i>PhD student State scholarship</i> , University of Latvia
2015: <i>International gratitude</i> within Climate Launchpad, LAUNCH Nordic, as well appreciation of University of Latvia and Green Industry Innovation Center for the work out and research of bio-based glue made from freshwater lake sediments.
Thesis work led
n.a.
Pedagogical work
<p><u>Supervision of Bachelor thesis:</u></p> <ol style="list-style-type: none"> 1. DIANA KRISTIŅA (2015) <i>Usage of sapropel in personal hygiene products: evaluation of sapropel soap properties and life cycle</i>. University of Latvia, Riga. 2. LINDA KIKUSTE (2013) <i>Paleoenvironmental reconstruction of Lake Padēlis using malacofauna analysis</i>. University of Latvia, Riga. 3. LĪGA RŪTIŅA (2012) <i>Composition of sapropel and its physical and chemical properties: Variability of Lake Pilvelis, Padelis and Pilcenes</i>. University of Latvia, Riga. 4. IEVA AKMENE (2012) <i>Sapropel spectrometric characterization</i>. University of Latvia, Riga. <p><u>Consultation of thesis:</u></p> <ol style="list-style-type: none"> 1. DĀVIS VARAKĀJS (2018) <i>Categorization of lake sapropel resources and its regional distribution of potential use in Latvia</i>. Master thesis. University of Latvia, Riga. 2. EDMUNDS BĒRZIŅŠ (2017) <i>Heavy metals binding capacity of sapropel in sandy soils</i>. Master thesis. University of Latvia, Riga. 3. ANNAMARIJA TRAUSA (2017) <i>Studies on sapropel drying methods</i>. Master thesis. University of Latvia, Riga. 4. LĪGA RŪTIŅA (2014) <i>Properties of sapropel isolated compounds and their possibilities of use</i>. Master thesis. University of Latvia, Riga. 5. SABĪNE BUNERE (2014) <i>Effect of sapropel on the plant growth</i>. Bachelor thesis. University of Latvia, Riga.
Participation in scientific bodies
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Institutional positions
2013-present: <i>Researcher</i> at the University of Latvia, Faculty of Geography and Earth Sciences