

Curriculum vitae (CV)

Personal information	First name, last name	Zane Vincēviča-Gaile
	Birth data	April 12, 1978
Education		
<ul style="list-style-type: none">• Doctor's Degree in Chemistry, obtained in 2014 at the University of Latvia, Faculty of Geography and Earth Sciences (ISCED-97 classification level: 6)• Master's Degree of Natural Sciences in Environmental Science, obtained in 2009 at the University of Latvia, Faculty of Geography and Earth Sciences (ISCED-97 classification level: 5A)• Degree of Pharmacist (degree of Master's level), obtained in 2002 at the Medical Academy of Latvia (currently – Riga Stradin's University), Faculty of Pharmacy (ISCED-97 classification level: 5A)		
Current employment		
<ul style="list-style-type: none">• Researcher (Dr.) at the University of Latvia, Faculty of Geography and Earth Sciences• Researcher at the Institute for the Environmental Solutions (part time job)• Pharmacist at the pharmacy "Aptieka L" (part time job)		
Previous employment		
<ul style="list-style-type: none">• 2013-2015: Researcher at the University of Latvia, Department of Environmental Science within the ESF project "Interdisciplinary team of young scientists for assessment and restoration of soil quality and usage potential in Latvia"• 2010-2011: Multifunctional assistant at the University of Latvia within the Norway Grants project "Development of study materials and university study courses in environmental science and sustainable development"• 2007-2009: Head of Toxicology Section (pharmacist) at the State Plant Protection Service of Latvia• 2007 and earlier: Pharmacist		
Research experience		
<p><u>Projects:</u></p> <ul style="list-style-type: none">• 2015-2016: Author within the EEA grants project "Climate change and sustainable development"• 2013-2015: Researcher within the ESF project "Interdisciplinary team of young scientists for assessment and restoration of soil quality and usage potential in Latvia"• 2010-2011: Multifunctional assistant, translator within the Norway Grants project "Development of study materials and university study courses in environmental science and sustainable development" <p><u>Publications:</u></p> <ol style="list-style-type: none">1. 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: Microbes in the Spotlight: Recent Progress in the Understanding of Beneficial and Harmful Microorganisms, BrownWalker Press [accepted, in press]2. 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]3. Vincevica-Gaile Z. (2016) Klimata pārmaiņu ietekme uz cilvēka veselību [in Latvian] / Influence of climate change on human health. In: Klavins M., Zaloksnis J. (eds.) Klimats un ilgtspējīga attīstība [in Latvian] / Climate and Sustainable Development. Academic Publishing of University of Latvia, 150-1734. 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), 929-9485. Burlakovs J., Kaczala F., Vincevica-Gaile Z., Rudovica V., Orupold K., Stapkevica M., Bhatnagar A., Kriipsalu M., Hogland M., Klavins M., Hogland W. (2016) Mobility of metals and valorization of sorted fine fraction of waste after landfill excavation. Waste and Biomass Valorization, 7, 593-6026. Vincevica-Gaile Z., Stapkevica M., Stankevica K., Burlakovs J. (2015) Testing sapropel (gyttja) as		

- soil amendment: assessment of plant germination and early seedling development. *Research for Rural Development*, 1, 88-94
7. Burlakovs J., Kaczala F., Orupold K., Bhatnagar A., **Vincevica-Gaile Z.**, Rudovica V., Kriipsalu M., Hogland M., Stapkevica M., Hogland W., Klavins M. (2015) Field-portable X-ray fluorescence spectrometry as rapid measurement tool for landfill mining operations: comparison of field data vs. laboratory analysis. *International Journal of Environmental Analytical Chemistry*, 95(7), 609-017
 8. **Vincevica-Gaile Z.**, Burlakovs J., Stankevica S. (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
 9. 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
 10. **Vincevica-Gaile Z.** (2014) Impact of Environmental Conditions on Micro- and Macroelement Content in Selected Food from Latvia. Academic Publishing of University of Latvia, 179 p. Available: http://www.lu.lv/fileadmin/user_upload/lu_portal/zinas/Zanes_Vincevicas-Gailes_prom_d_1.pdf
 11. **Vincevica-Gaile Z.**, Stapkevica M., Klavins M. (2014) Fraction distribution and bioavailability of metals and metalloids in soil of different types. *SGEM 2014 GeoConference Proceedings on Soils, Forest Ecosystems, Marine and Ocean Ecosystems*, 2, 147-154
 12. Burlakovs J., **Vincevica-Gaile Z.**, Stapkevica M., Klavins M. (2014) Modified clay as soil amendment for remediation: Studies of leaching and sorption kinetics. *SGEM 2014 GeoConference Proceedings on Exploration and Mining, Mineral Processing*, 3, 917-924
 13. Stankevica K., Burlakovs 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
 14. 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 and Ocean Ecosystems*, 2, 175-182
 15. **Vincevica-Gaile Z.**, Klavins M. (2013) Concentration of elements in food: How can it reflect impact of environmental and other influencing factors? *Scientific Journal of Riga Technical University, Series: Environmental & Climate Technologies*, 12, 15-19
 16. Stapkevica M., **Vincevica-Gaile Z.**, Klavins M. (2013) Metal uptake from contaminated soils by some plant species – radish, lettuce, dill. *Research for Rural Development*, 1, 43-49
 17. **Vincevica-Gaile Z.**, Klavins M., Rudovica V., Viksna A. (2013) Research review trends of food analysis in Latvia: Major and trace element content. *Environmental Geochemistry & Health*, 35, 693-703
 18. **Vincevica-Gaile Z.**, Rudovica V., Burlakovs J., Klavins M., Priedite E. (2013) Analysis of major and trace elements in food: Aspects of methodological applications. *SGEM 2013 GeoConference Proceedings on Ecology, Economics, Education and Legislation*, 1, 49-56
 19. **Vincevica-Gaile Z.**, Gaga K., Klavins M. (2013) Food and environment: Trace element content of hen eggs from different housing types. *APCBEE Procedia*, 5, 221-226
 20. **Vincevica-Gaile Z.**, Klavins M. (2012) Transfer of metals in food chain: An example with copper and lettuce. *Scientific Journal of Riga Technical University, Series: Environmental & Climate Technologies*, 10, 21-24
 21. **Vincevica-Gaile Z.**, Klavins M. (2012) Root vegetables from Latvia: Quantitative analysis of potentially toxic elements. *Research for Rural Development*, 1, 131-136
 22. **Vincevica-Gaile Z.**, Klavins M., Rudovica V., Viksna A. (2012) Potentially toxic metals in honey from Latvia: Is there connection with botanical origin? In: Ramos R.A.R., Straupe I., Panagopoulos T. (eds.) *Recent Researches in Environment, Energy Systems and Sustainability*. WSEAS Press: Faro, 158-163
 23. **Vincevica-Gaile Z.**, Klavins M., Rudovica V., Viksna A. (2011) Trace and major elements in food articles in Latvia: Root vegetables. *Scientific Journal of Riga Technical University, Series: Environmental and Climate Technologies*, 13(7), 119-124
 24. **Vincevica-Gaile Z.**, Klavins M., Rudovica V., Viksna A. (2011) Geographical dissemination of trace and major elements in honey. In: Brebbia C.A. (ed.) *Sustainability Today*. WIT Press: Southampton, 211-220

25. **Vincevica-Gaile Z.**, Klavins M., Zilgalve L. (2011) Trace and major element concentration in cottage cheese from Latvia. In: Mastorakis N., Mladenov V., Savkovic-Stevanovic J. (eds.) Recent Researches in Sociology, Financing, Environment and Health Sciences. WSEAS Press: Meloneras, 169-173
26. **Vincēviča-Gaile Z.** (2010) Makro- un mikroelementu saturs medū [in Latvian] / Major and trace element content in honey. Latvijas Lauksaimniecības Universitātes Raksti, 25(320), 54-66

Conferences:

- 6th Global Summit on Medicinal and Aromatic Plants in Latvia, Riga (May 24-26, 2016), presentation “How safe are medicinal plants grown in a city environment: The case study of Riga, Latvia”
- 6th International Conference on Medical Geology MEDGEO 2016 in Portugal, Aveiro (July 26 – August 1, 2015), presentation “Impact of micro- and macroelement content on potential use of freshwater sediments (gyttja) derived from lakes of Latvia”
- 14th International Multidisciplinary Scientific GeoConference SGEM 2014 in Bulgaria, Albena (June 17-26, 2014), presentations “Modified clay as soil amendment for remediation: Studies of leaching and sorption kinetics”, “Influence of sapropel (gyttja) on *Trifolium pratense* seeds germination in presence of copper”, “Fraction distribution and bioavailability of metals and metalloids in soil of different types”
- 44th IUPAC Word Chemistry Congress and the 47th IUPAC General Assembly in Turkey, Istanbul (August 8-16, 2013), presentation “Metal uptake and bioavailability: From soil to food through crops”
- International Conference “Environmental Health 2013 – Science and Policy to Protect Future Generations” in USA, Boston (March 3-6, 2013), presentation “Presence of arsenic in baby food: Is it the issue of concern?”
- 4th International Conference on Environmental Science and Development ICESD 2013 in AAE, Dubai (January 19-20, 2013), presentation “Food and environment: Trace element content of hen eggs from different housing types”
- Sino-European Symposium on Environment and Health SESEH 2012 in Ireland, Galway (August 20-25, 2012), presentation “Research of food from Latvia: Analysis of essential elements and possible contaminants”
- 8th IASME/WSEAS Conference on Energy, Environment, Ecosystems and Sustainable Development EEESD 2012 in Portugal, Faro (May 2-4, 2012), presentation “Potentially toxic metals in honey from Latvia: Is there connection with botanical origin?”
- 12th Eurasia Conference on Chemical Sciences EuAsC₂S 2012 in Greece, Corfu (April 16-21, 2012), presentation “Trace and major elements in root vegetables: A study in Latvia”
- 4th International Conference on Medical Geology GEOMED 2011 in Italy, Bari (September 20-25, 2011), presentation “Risk and benefit assessment of trace and major elements detected in honey of different origins”

Awards and scholarships

Awards:

- 2016: The award of scientific communication “Research of the Month 2015” at the University of Latvia after the implementation of the research “Impact of environmental conditions on micro- and macroelement content in selected food from Latvia”
- 2014: The best presentation at the 14th International Multidisciplinary Scientific GeoConference (SGEM 2014) in Albena, Bulgaria; title of presentation “Modified clay as soil amendment for remediation: Studies of leaching and sorption kinetics”
- 2012: 3rd place nomination of “Young Environmental Researcher” in the governmental competition “Award of Environmental Science 2012” in Latvia
- 2011: The best presentation at the international conference “Environment, Medicine and Health Sciences” (EMEH 2011) in Gran Canaria, Spain; title of presentation “Trace and major element concentration in cottage cheese from Latvia”
- 2009: Award of the excellent Master thesis at the University of Latvia; title of thesis “Energy, nutrient and greenhouse gas balances for modelled LCA based alternative organic waste management pathways in Riga City”

<u>Scholarships:</u> <ul style="list-style-type: none"> • 2012-2014: ESF scholarship for support of doctoral studies • 2009: ERASMUS scholarship for student exchange during Master level (in Denmark)
Thesis work led
n.a.
Pedagogical work
Supervision of several Bachelor and Master thesis
Participation in scientific bodies
From 2011: Member of the International Medical Geology Association (IMGA)
Institutional positions
<ul style="list-style-type: none"> • From 2016: Senior editor in the “International Journal of Agricultural and Environmental Research” • From 2010: Secretary of the doctoral school “Earth resources and their sustainable use” at the University of Latvia, Faculty of Geography and Earth Sciences