

## Curriculum vitae (CV)

Personal information	
First name, last name	Linda Ansone-Bērtiņa
Birth data	18 May 1986
Education	
2011. – 2015.	Diploma of Doctoral degree in the environmental chemistry and ecotoxicology (Dr. chem.) University of Latvia, Faculty of Geography and Earth Sciences
2009. – 2011.	The diploma of the master's in chemistry. University of Latvia, Faculty of Chemistry.
2005. – 2009.	The diploma of the bachelor's in chemistry. University of Latvia, Faculty of Chemistry.
Current employment	
01.02.2016 – present researcher at University of Latvia, Faculty of Geography and Earth Sciences	
20.10.2012. – present chair of laboratory University of Latvia, Faculty of Geography and Earth Sciences Laboratory of Environmental Quality Monitoring	
Previous employment	
20.10.2012. – present	chair of laboratory, researcher University of Latvia, Faculty of Geography and Earth Sciences, Laboratory of Environmental Quality Monitoring
05.10.2012. – 31.01.2013.	lecturer University of Latvia, Faculty of Education Psychology and Art
01.07.2008. – 01.10.2011.	assistant in environmental chemistry University of Latvia, Faculty of Geography and Earth Sciences, Laboratory of Environmental Quality Monitoring
Research experience	
<p>The main research directions are related to the analysis of environmental pollution and its reduction methods. Research directions include - interaction of metalloids with natural organic substances, their behaviour in the environment and purification possibilities; synthesis, characterization, research of application possibilities of peat sorbents; research into the possibilities of using biosorbents; research on the interaction of humic substances with environmental pollutants; as well as waste recycling and research into the further use of the resulting products. L. Ansone-Bērtiņa has advised students on the development of bachelor's, master's and doctoral theses; co-author of 17 publications included in Scopus or Web of Science databases. h = 5.</p> <ol style="list-style-type: none"> <li>1. Ansone-Bertina L., Klavins M. (2016) Sorption of V and VI group metalloids (As, Sb, Te) on modified peat sorbents. <i>Open Chemistry</i>, 14(1), 46-59. DOI: 10.1515/chem-2016-0003.</li> <li>2. Porshnov D., Ansone-Bertina L., Ozols V., Burlakovs J., Klavins M. (2018) Thermogravimetric study of municipal waste plastics considering perspectives of waste pyro-gasification. <i>International multidisciplinary scientific geoconference SGEM</i>. DOI: 10.5593/sgem2018/4.1</li> </ol>	

3. Porshnov D., Ozols V., Ansone-Bertina L., Burlakovs J., Klavins M. (2018) Thermal decomposition study of major refuse derived fuel components. *Energy Procedia*, 147, 48-53.
4. Ozola R., Krauklis A., Leitietis M., Burlakovs J., Vircava I., Ansone-Bertina L., Bhatnagar A., Klavins M. (2019) FeOOH-modified clay sorbents for arsenic removal from aqueous solutions, *Environmental Technology and Innovation*, 13, 364-372.
5. Ansone-Bertina L., Jemeljanova M., Klavins M., Ozola-Davidane R., Kviesis J. (2020) Clay-humic substance composites for removal of pharmaceuticals from water. *Key Engineering Materials* 850-28-34. DOI: 10.4028/www.scientific.net/KEM.850.28
6. Klavins M., Upska K., Viksna A., Bertins M., Ansone-Bertina L., Krumins J. (2020) A comparative study of the properties of industrially produced humic substances. *Agronomy Research*, Accepted, <https://doi.org/10.15159/ar.20.185>
7. Bertins M., Bardule A., Busa L., Viksna A., Lazdina D., Ansone-Bertina L. (2020) Evaluation of elemental flows in Juvenile Hybrid Aspen from differently fertilized fields. *Agronomy Research*, 18(S2), 1154-1162. <https://doi.org/10.15159/ar.20.079>

#### Research projects

- Peat and sapropel as high value raw materials for new technologies and high added value products.
- Changes in the stability of the climate system and their impact on the flow of biogeochemicals limiting water quality in Latvia.
- Attracting human resources to the development of scientific research in earth and environmental sciences (Sustainable use of natural resources in the context of climate change).
- Investigation of peat, sapropel, clay properties and modification possibilities
- Impact of environmental factors on peat and their humic substances properties
- Natural organic matter flow and detention in hydroecosystems.
- Impact of environmental factors on the character of organic matter humification and its place in geochemical carbon cycle.
- Properties and structure of peat humic substances and possibilities of their modification
- Variable fuel gasification for municipal solid waste recovery.

#### Awards and scholarships

For 2009-2011, a scholarship was received for the ESF project "Support for the Implementation of Master's Study Programs at the University of Latvia".

- In 2010, an award was given for participation in the conference "Humic Substances and the Maintenance of Ecosystem Services" organized by the Union of Humic Substances Researchers in Tenerife, Spain.
- In 2014, he was awarded the 1st place in the competition "Environmental Science Award" in the nomination "Young Environmental Scientist".

#### Pedagogical work

Laboratory works for students in Environmental chemistry BSc study course  
 Laboratory works for students in Environmental Technologies BSc study course

#### Participation in scientific bodies

2010 – currently a member of the International Humic Substance Society (IHSS).