

CURRICULUM VITAE

Full name Edita Baltrėnaitė

Date of birth 28/08/1980



Education

- Doctor (Environmental Engineering and Landscape Management, *Investigation and Evaluation of the Transfer of Heavy Metals from the Soil to the Tree*) – 25 May 2007, Vilnius Gediminas Technical University.
- MSc degree, honor's diploma (Environmental Management and Cleaner Production, *Assessment of Heavy Metal Uptake by Tree*) – May 2004, Vilnius Gediminas Technical University.
- BSc degree, honor's diploma (Technology of Environmental Protection, Contamination of Lithuanian Forests with Heavy Metals), honor's diploma – May 2002, Vilnius Gediminas Technical University.
- Secondary Education, honor's diploma – May 1998, Radvila's High School, Lithuania.

Language skills (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Lithuanian (native)	1	1	1
English	1	1	1
Russian	1	2	3

Membership

International Water Association (IWA), European Society for Soil Conservation (ESSC), World Association of Soil and Water Conservation.

Other skills

Computer literacy (MS Office, Adobe Photoshop, Adobe Acrobat, ACAD, VARSA, TRANSOM JACK, PHOENICS, VS2TDI, ECOSYS, WHAM, STATISTICA), driving license.

Present position

- Associated Professor at the Department of Environmental Protection in Vilnius Gediminas Technical University (Lithuania), <http://e-stud.vgtu.lt/users/?id=822&lang=en>
- Executive Editor of the international scientific journal *Journal of Environmental Engineering and Landscape Management* (ISSN 1648-6897) that is abstracted by ISI Web of Science database (IF = 1.508 (2009)).
- Lithuanian Deputy member in the Management Committee of the EU COST Action FA0905 *Mineral Improved Crop Production for Healthy Food and Feed*.
- Executive organizer of the international master study program *Environmental Management and Cleaner Production* (under implementation of consortium

BALTECH) in the Faculty of Environmental Engineering of Vilnius Gediminas Technical University.

Scientific interests

Soil contamination with metals, contaminant transfer in the system soil–plant, bioindication of polluted environment, waste management, environmental management.

Given lectures

2011 Spring semester

- APASM02060 Waste Management (Master level, in English).
- APASM02762 Environmental Management (Course work, master level, in English).

2010 Fall semester

- APASM01751 Environmental Technologies (Master level, in English).
- APASM01753 Environmental Effects (Master level, in English).

2010 Spring semester

Lithuanian organizer of the International Study Cooperation (Interprofessional Projects Program – <http://ipro.iit.edu>) between VGTU and Illinois University of Technology (Chicago, USA) – IPRO 322 – Carbon Footprint from Automobiles - http://ipro.iit.edu/project-listings/current-projects#Spring2010_322 (January–May 2010).

- APASB06026 Practical Training for Bachelor Students.
- APASM02060 Waste Management (Master level, in English).
- APASM02762 Environmental Management (Course work, master level, in English).
- APASB08051 Waste and its Management (Bachelor level, in Lithuanian).

2009 Fall semester

- APASM01751 Environmental Technologies (Master level, in English).
- APASM01753 Environmental Effects (Master level, in English).

2009 Spring semester

- APASB06026 Practical Training for Bachelor Students.
- APASM02762 Environmental Management (Course work, master level, in English).
- APASB08051 Waste and Their Management (Course work, bachelor level, in Lithuanian).
- APASM02060 Waste Management (Master level, in English).

2008 Fall semester

- APASM01751 Environmental Technologies (Master level, in English).
- APASM01753 Environmental Effects (Master level, in English).

2008 Spring semester

- APASM02762 Environmental Management (Course work, master level, in English).
- APASB08051 Waste and Their Management (Course work, bachelor level, in Lithuanian).

- APASB06026 Practical Training for Bachelor Students.
- APASM02060 Waste Management (Master level, in English).

2007 Fall semester

- APASM01751 Environmental Technologies (Master level, in English).
- APASM01753 Environmental Effects (Master level, in English).

2007 Spring semester

- APASM02060 Waste Management (Master level, in English).

2006 Fall semester

- APASB07037 Environmental Project Management Using the Tool of Cost-Benefit Analysis (interdisciplinary coursework, bachelor level).

2006 Spring semester

- APASM02124 Waste Collection and Utilization (Course work, master level).
- APASM02060 Waste Management (Master level, in English).

2005 Fall semester

- APASM03150 Pedagogical Training (master level, in English).

2005 Spring semester

- APASM02060 Waste Management (Master level, in English).

2004 Fall semester

- APASB7022 Environmental Economics (Course work, bachelor level).

Supervision of the final bachelor thesis

2010–2011

- Aurelija Daunorienė – Assessment of the Environmental Performance in the Wood Processing Industry.

2009–2010

- Tadas Čižauskas – Assessment and Improvement of the Environmental Performance of JSC *Anykščių vynos*.
- Karolis Bereika – Assessment of JSC *Kelio ženklai* Impact on Environment and Improvement of the Environmental Tools.
- Simona Micevičiūtė – Environmental and Economical Evaluation of Soil Phytoremediation with Application of *Nicotiana glauca*.
- Raminta Sokolovaitė – Environmental Performance of a Green Roof.
- Marija Tamkevičiūtė – Pressed Straw as Environmentally Friendly Construction Material.

2008–2009

- Dorita Brogaitė, – Environmental Assessment of Pond Fishery Impact on Water Quality in Sartai Lake and Šventoji River.
- Jevgenij Aliončik – Possibilities and Environmental Performance of Constructed Wetlands at JSC *Visagino linija*.

- Toma Bagdanavičiūtė – Environmental Assessment and Modernization Aspects at JSC *Simile*.

2007–2008

- Loreta Juškaitė – Evaluation and Optimisation of Medical Waste Incineration Process of JSC *Senovė*.
- Dalia Kasmociūtė – Modernization of Wastewater Treatment Plants in *Upninkai* Settlement.
- Kristina Šalčiūnienė – Sapropel Extraction and Its Use Possibilities in Lithuania.
- Monika Gudžiūnaitė – Evaluation and Development of JSC *Eseira* Environmental Performance.
- Agnė Karlikanovaitė – Evaluation and Development of JSC *Raseiniai šilumos tinklai* Environmental Performance.

2006–2007

- Simona Anzelytė – Evaluation of Environmental Impact of SC *Sparta* and Solutions for Environmental Protection.
- Andrius Banuškevičius – Evaluation of JSC *Vievio paukštynas* Environmental and Management Situation.
- Rima Valūnienė – Improvement of Environmental Performance of JSC *Arvi cukrus*.

2005–2006

- Milda Benetytė – Evaluation of Environmental and Management Situation in JSC *Vilniaus Degtinė* Branch for Spirit Production in Obeliai.
- Asta Mineikaitė, – Environmental Situation of Zarasai District Steamshop and its Improvement.

2004–2005

- Paulina Budrytė – Distribution of Heavy Metal Chemical Fractions in Soil.

Supervision of PhD thesis

- Neringa Pundytė (2010–2014).

Supervision of the final master thesis

- Neringa Kisielytė (2010–2012) – Partitioning of Metals in Above- and Below-Ground Parts of *Thlaspi caerulescens* Grown in the Sewage Sludge.
- Viktorija Krastinytė (2010–2012) – Assessment of JSC *Orlen Lietuva* Environmental Impact Using Snow Cap Quality Analysis.
- Jolita Dūdaitė (2009–2011) – Forest Fires in Lithuania and Their Impact on Forest Soil Properties.
- Giedrė Raginytė (2008–2010) – Assessment of the Ability of Infected *Pinus sylvestris* L. to Uptake Trace Metals and Macroelements.
- Neringa Pundytė (2008–2010) – Assessment of *Pinus sylvestris* L. as a Bioindicator of the Heavy Metal Polluted Environment.
- Dovilė Vaitkutė (2007–2009) – Evaluation of Sewage Sludge Impact on Pine and Birch Development.

Invited lecturing

- Lectures at Aalto University (Helsinki University of Technology) according to Erasmus lectures exchange program (22–24 September 2010). Lecture topics: introduction to environmental problems, air pollution, wastewater treatment, physical contamination, solid waste management.
- Lectures at Southern Denmark University (21–22 September 2010) according to Erasmus lectures exchange program. Lecture topics: activities of VGTU Department of Environmental Protection and Institute of Environmental Protection, experience from cooperation with industry, study cooperation project with JSC Lithuanian Railways, international cooperation with Illinois University of Technology (Chicago, USA).
- Lectures at Seinajoki University of Applied Sciences (Finland) (15–18 March 2010) according to Erasmus lectures exchange program. Lecture topics: activities of VGTU Department of Environmental Protection and Institute of Environmental Protection, master studies on Environmental Management and Cleaner Production, metal contaminated sites and cleaning methods.
- Lectures at Mikkeli University of Applied Sciences (Finland) (April 2009) according to Erasmus lectures exchange program. Lecture topics: activities of VGTU Department of Environmental Protection and Institute of Environmental Protection, master studies on Environmental Management and Cleaner Production, environmental problems in Lithuania, metal uptake by trees, waste management in Lithuania.
- Lectures at Marche Polytechnic University (Italy) (April 2008) according to Erasmus lectures exchange program. Lecture topics: activities of VGTU Department of Environmental Protection and Institute of Environmental Protection, heavy metals in soil and impact on human health, heavy metals in annual tree rings, metal transport from soil to the higher plants.

Courses attended

- Successful presentation (presentation structure, management of discussion, verbal communication), organized by Mercuri International Lietuva, 25–26 February, Vilnius.
- Taking part in training course organized by EU program ACCENT about non-verbal communication, presentation skills, interdisciplinary approach, communication with society, leader role, new technologies of information to society. Aristotel University (Thessaloniki, Greece) in October 2006.
- Taking part in OEKOWI/ECOSYS environmental-economical software training courses Šiauliai (Lithuania) in February 2006.

Social activities

- One of the initiators of the Debate Club at Vilnius Gediminas Technical University (November 2008).
- Executive organizer of the EU COST action 859 meeting for researchers of working groups WG2 and WG4 in Lithuania (May-June 2007).
- One of representatives of VGTU students in VGTU Senate (2001–2004).
- Leader of student representative of VGTU Faculty of Environmental Engineering (2001–2004).

Short-term visits

1. Visit to company Novartis (producer of medicaments), Passam Ag (diffusive sampler producer), Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Switzerland (4–11 January 2011).
2. Meeting with project partners at Latvian State Institute of Wood Chemistry during implementation of FP7 project *The implementation of research potential of the Latvian State Institute of Wood Chemistry in the European Research Area (WOOD-NET) (FP7-203459)* in Riga, Latvia (18–20 October 2010).
3. Elemental analysis of pine bark and needles using micro-PIXE technology at Department of Biology, Biotechnical Faculty, University of Ljubljana and Jožef Stefan Institute, Ljubljana, Slovenia in the framework of FP7 SPIRIT *Support of public and industrial research using ion beam technology*, 13–16 April 2010 (TNA 033).
4. Meeting with partners from Aalto University Lahti centre, discussions about future cooperation, exchange of students and lectures (18 March 2010).
5. Visit to private company ABBA Gaia (Valencia, Spain) to discuss possibilities of student practical training (17–28 August 2009).
6. Visit to Valencia Centre of Applied Research (CEAM, The Fundación Centro de Estudios Ambientales del Mediterráneo), to exchange experience about use of diffusive sampler for air quality monitoring (17–28 August 2009).
7. Short-term Scientific Mission at Norwegian University of Life Sciences, in the framework of COST 859 action *Phytotechnologies to promote sustainable land use and improve food safety* (Reference code: COST-859-STSM-04824) (June-July 2009).
8. Visit to Illinois University of Technology (Chicago, USA) to discuss about international cooperation in the study field and to take part in IPRO (Interprofessional Projects Program) program (27 December–7 January 2009).
9. Visit to Northwestern University (Chicago, USA) (27 December–7 January 2009).
10. Short visit to University of Wolverhampton, lab work and analysis of metals in plant compartments, soil particle size (September 2008).
11. Meeting with project partners at Latvian State Institute of Wood Chemistry during implementation of FP7 project *The implementation of research potential of the Latvian State Institute of Wood Chemistry in the European Research Area (WOOD-NET) (FP7-203459)* in Riga, Latvia (October 2008).
12. Fellowship at Norwegian University of Life Sciences (Aas, Norway), in the Lab of Soil Science division, analysis of wood and soil samples (July 2007).
13. Visit to Brussels university (Belgium) to select abstracts and discuss COST 859 meeting details in Lithuania in Spring 2007 (8–10 March 2007).
14. Fellowship at Norwegian University of Life Sciences (Aas, Norway), in the Lab of Soil Science division (September 2006).
15. Fellowship at Mikkeli Polytechnic Institute (Finland). Work in the environmental lab, analysis of metals in plant and soil samples (August 2003).
16. Studies at Lulea University of Technology (Sweden) as SOCRATES ERASMUS exchange student (January–March 2001).

Oral presentations

- *Green technologies at Vilnius Gediminas Technical University*, at Josef Stefan institute (Slovenia), 13 April 2010.
- *Short-term scientific visit to Norway*, for the COST Info Day at Vilnius Gediminas Technical University (Lithuania), 18 November 2009.
- *How succeed with studies at VGTU*, oral presentation in student summer school, 30 August 2009.
- *Vilnius Gediminas Technical University. Studies abroad*, Presentation in the LITEXPO Study Fair 2009.
- *Below- and above- ground biomass of trees in soil amended with sewage sludge*, in COST 859 working group WG4 meeting *Phytotechnologies in practice: biomass production, agricultural methods, legacy, legal and economical aspects*, 15–18 October 2008, Verneuil-en-Halatte, France.
- *What do the plant mean to us?*, presentation on popular research for the society at VGTU Gediminas Club, 24 April 2008.
- *What does Erasmus mean to me?*, presentation for students during the event VGTU Erasmus Day, 10 February 2009.
- *Waste acceptance to landfill – Hazardous waste*, Lecture for environmental inspectors, 22 June 2007.
- *Environmental solutions to improve situation of the object of Lithuanian culture heritage*, presentation in the group meeting of the project *Aid of protection of environment and regions of cultural heritage through action of youngsters* 2–8 November 2005, Serres, Greece.
- Oral presentation about medical waste in EU member states: laws and management methods at seminar *Medical waste and their management* organized by Vilnius Public Health Centre, Vilnius, Lithuania (September 2004).

Secretary work at conferences

- Secretary in the session at the final meeting of COST 859 *Phytotechnologies to promote sustainable land use and improve food safety* Phyto 2009, in Ascona, Switzerland (October 2009).
- Secretary of the session at the meeting of COST 859 *Phytotechnologies to promote sustainable land use and improve food safety* working group WG1 on *Plant uptake/exclusion and translocation of nutrients and contaminants* in Santiago de Compostela, Spain (June 2006).
- Secretary at the session at the meeting of COST 859 *Phytotechnologies to promote sustainable land use and improve food safety* working group WG 4 on *Phytotechnologies lessons from pilot and field scale* in Sintra, Portugal (April 2006).
- Secretary of organization committee for 9th Conference of Junior Researchers at Vilnius Gediminas Technical University (Lithuania) (March 2006).

Publications and projects reviewed

- Birgit A. Jensen (Assoc Prof Dr at the Department of Foreign Languages and Literature, East Caroline University, USA) student project report *Living Green in Germany and the United States: Concepts of Environmental Sustainability in Two College Towns*, submitted for the journal *Explorations: Journal of Undergraduate*

Research and Creative Activities for the State of North Carolina
(<http://www.uncwil.edu/CSURF/Submission.html>).

- Study book of Laimutė Kitkauskienė *Mastering English in Environmental Engineering* (2010).

Member in doctoral thesis defence committee

- Member of scientific board of dissertation presented by Rasa Staniulienė *The impact of high-temperature environment on weeds highly resistant to thermal killing at Lithuanian University of Agriculture, Department of Heat and Biotechnology Engineering* (3 December 2010).

International reports

- Reporter of the conference session at the meeting of COST 859 working groups WG1 and WG3 *Nutrient biofortification and exclusion of pollutants in food plants*, organized in Sede Boqer, Israel, 22–25 October 2007.
- Organizer and reporter to COST office on scientific and financial part of the meeting of COST 859 organized 31 May–2 June 2007, Vilnius, Lithuania.

Experience in research and study projects

1. 2010–2011 06 – Local air quality management program development (Mažeikiai municipality, Lithuania).
2. 2010–2012. Pagal VP3 Sanglaudos skatinimo veiksmų programos, VP3-1 prioriteto „Vietinė ir urbanistinė plėtra, kultūros paveldo ir gamtos išsaugojimas bei pritaikymas turizmo plėtrai“ VP3-1.4-AM-09-K priemonę „Visuomenės informavimo ir švietimo apie aplinką priemonių įgyvendinimas“ projekto „Aplinkai palankaus gyvenimo būdo skatinimo erdvė“ vykdymas.
3. 2010–2012. Pagal 2007–2013 m. Žmogiškųjų išteklių plėtros veiksmų programos 2 prioriteto „Mokymasis visą gyvenimą“ VP1-2.2-ŠMM-07-K priemonės „Studijų kokybės gerinimas, tarptautiškumo didinimas“ programą dalyvavimas projekte „Darniosios gyvenamosios aplinkos studijų srities programų atnaujinimas, inovatyvių mokymosi metodų pagalba stiprinant tarpdalykines sąsajas ir diegiant darniosios raidos sampratą“.
4. COST FA0905 action *Mineral-improved crop production for healthy food and feed* (2010–2014).
5. COST ES0805 action *Terrestrial biosphere in the earth system (Terrabites)* (2009–2013).
6. Air quality monitoring at Mažeikiai Region (Lithuania) (2009–2012).
7. Project *Collection and analysis of data about packaging material audit and tax* funded by the Ministry of Environment of Lithuanian Republic (June–December 2009).
8. FP7 Project *The implementation of research potential of the Latvian State Institute of Wood Chemistry in the European Research Area (WOOD-NET)* (FP7-203459) (2008–2011).
9. Transport impact on environment. Part about transport impact on soil (project SVEKOTRANS) (June–December 2008).

10. Development of a program for air and surface water monitoring for Mažeikiai city (Lithuania) for 2009–2012 (March–September 2008).
11. COST 639 action *Greenhouse gas budget of soils under changing climate and land use* (BurnOut) (2007–2011).
12. Development of recommendations for waste producers and landfill operators (under implementation of EU Decision of December 19 2002 about waste acceptance procedure (2003/33/EB) (April–June 2006).
13. Scientific project *Determination of Waste Acceptance to different landfill class criteria and limit values* (July–December 2005).
14. Participant in the EU Youth program *Aid of Protection of Environment and Regions of Cultural Heritage Through Action of Youngsters*, held in Serres Technical University, Greece (March–November 2005).
15. DELFEE project participants meeting, Serres University of technology, Greece (March 2005).
16. Scientific program COST 859 *Phytotechnologies to promote sustainable land use and improve food safety* (2004–2009).
17. Project *Radioisotopes and heavy metals in rotted and fungi touched pine trees (Pinus sylvestris L.)* funded by Lithuanian State and Science Foundation (December 2004 – November 2005).
18. Project Environmental Engineering English funded by the British Embassy (October 2004–May 2005).
19. 2004 09–2006 05, Development of Klaipėda and Šiauliai Regional Municipal Waste Management Systems (Lithuania) (September 2004–May 2006).
20. Development of standards: LST ISO 11074-1; LST EN ISO 14020; LST EN ISO 14024; LST EN ISO 14031; LST EN ISO 14021; LST ISO 14164; LST EN ISO 14956; LST ISO 11074-2; LST EN ISO 14050 in Lithuanian (2003–2006).
21. Assistant in the projects *Transport Impact on Environment* (Nordic Grant Scheme), *Bioremediation of Polluted Environment* (Nordic Grant Scheme), Preparation of project proposals to EU projects, Atmospheric Air Impact Assessment in Lithuanian enterprises, Environmental assessment and analysis of tires disposal site in Trakai Region (Lithuania) (2002), Investigation of heavy metals concentrations in soils and trees in Lithuania Military Grounds (2002).

Invited guests

- Dr. Markus Hangartner, Head of the company Passam AG (Switzerland) – seminar about odour assessment and management (3 March 2011) for Lithuanian environmental institutions.
- Prof Dr. Giorgio Passerini, Marche Polytechnic University (Italy) – September 2010, lectures for master students about climate change.
- Dr. Markus Hangartner, Head of the company Passam AG (Switzerland) – September 2010, discussions on air monitoring results.
- Prof. Xavier Úbeda, University of Barcelona (Spain) – May 2010, lectures for master students about forest fires, their causes and effects.
- Eira Rosberg, Aalto University (Finland) – May 2010, lectures about environmental impact assessment for master students.

- Dr. John Craig, head of the company Girac Limited (UK) – April 2009, lectures for master students about waste management.
- Prof Dr. Giorgio Passerini, Marche Polytechnic University (Italy) – April 2009, lectures for master students about air quality assessment and investigation in Italy.
- Prof Dr. Marco Leupin (Switzerland) – October 2009, discussions about future cooperation.
- Dr. Donatas Tījūnėlis, Illinois University of Technology (Chicago, USA) – April 2009, lectures for master students about oil industry impact on environment.
- Dr. Donatas Tījūnėlis, Illinois University of Technology (Chicago, USA) – November 2009, discussion about future cooperation in the educational field.
- Dr. Edvardas Krišiūnas, waste management expert (USA) – October 2009, discussion about future cooperation in the field of waste management.
- Prof Dr. Hans G Forsberg (Sweden) – 2009, discussion about extension of the master student visits on the BALTECH program.
- Dr. Markus Hangartner, Head of the company Passam AG (Switzerland) – kick-off meeting on air monitoring project in Mažeikiai.

Awards, prizes

- PhD student of Edita Baltrėnaitė, Neringa Pundyte was awarded by the Lithuanian Academy of Science in the category of student research work (field of agriculture and forest research) for her work **Assessment of bioindicative properties of *Pinus sylvestris* L. in the metal contaminated environment** (Paprastosis pušies *Pinus sylvestris* L. bioindikatorinių savybių įvertinimas metalais užterštoje aplinkoje) in 1 March 2011.
- Edita Baltrėnaitė was awarded an award as Young Scientist for the work **Investigation and evaluation of the transfer of heavy metals from the soil to the tree** in 4 March 2008 by the Lithuanian Academy of Science
- **Edita Baltrėnaitė, postgraduate student of Vilnius Gediminas Technical University** was awarded Petras Vileišis sculptural portrait for excellent academic results, endeavour to develop in oneself free, creative and conscious personality, will for creative activity in science and business, and responsive regard to national history and its heritage in 17 December, 2003 by Confederation of Lithuanian Industrialists.
- Grant of L.G.D. Gediminas, 2003.
- Grant of Gediminas Orentas, 2001, for active support to VGTU weekly newspaper *Inžinerija*.
- Grant of Stanislovas Kerbedis, 2001.