

CURRICULUM VITAE

Dr Vita Tilvikienė

PERSONAL INFORMATION

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E-mail: vita.tilvikiene@lammc.lt

Nationality Lithuanian
(mother tongue) (Lithuanian)

Date of birth 18 01 1983

OCUPATION 2007 – 2011 PhD studies at Lithuanian Research Centre for Agriculture and Forestry. Topic: “Management of tall fescue, cocksfoot and reed canary grass swards for biogas, biomass quality and energy value”. In 2012 completed with a doctoral degree in agricultural sciences, agronomy.

2005 – 2007 University of Agriculture, Faculty of Agricultural Engineering. Graduated with a master’s degree in mechanical engineering.

2001 – 2005 University of Agriculture, Faculty of Agricultural Engineering. Graduated with a bachelor’s degree in mechanical engineering.

WORK EXPERIANCE

2017 – 2018 Assoc. professor at Aleksandras Stulginskis University

From 2016 Senior Researcher, Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry

2013 – 2016 Researcher, Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry

From 2011 Scientific secretary, Lithuanian Research Centre for Agriculture and Forestry

2011 – 2013 Junior researcher, Institute of Agriculture, Lithuanian Research

2010 – 2015 Centre for Agriculture and Forestry

2009 – 2010 Scientific secretary, Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry

2007 – 2009 Administration assistant, Lithuanian Institute Agriculture

2005 – 2007 UAB “Plungės prekyba” export manager

IN-SERVICE TRAINING

2018 May 17 – June 1 d. Research fellowship Swedish Agricultural University (SLU) „The use of NIR in Agriculture“.

2018 February 23 – March 29 d. „Courses: study quality“.

2013 October 21 – 25 Courses “Programming and statistics with R programme”, Lithuania.

2011 April 1 – May 7 Research fellowship Aarhus University (Denmark). Research work on energy crops.

2009 March 2 – 6 International courses “Renewable energy technology”, Lithuania

2008 March 3 – 7 International courses “Energy crops and biogas production”, Estonia

2008 February 11 – 12 International courses “Methodology of research”, Latvia

PARTICIPATION
IN PROGRAMMES
AND PROJECTS

National projects:

2014–2016 National project financed by Lithuanian Science Board „Evaluation of biomass chemical composition and convention of *Artemisia dubia*“

2013–2015 m. Rural development program 2007–2013 „Cereals and other resources use for sustainable agricultural farming system“ (leader from 2014)

2013–2015 m. Rural development program 2007–2013 „Innovative crop plant growing technologies enriching local protein feed and biological soil nitrogen (leader from 2014)

2012 – 2015 “Scientific validation of C3 and C4 herbaceous plants’ multi-functionality for innovative technologies: phytol-raw materials – bio-products – environmental effects”

2012–2014 m. European structural funds „Strengthening the activities of Lithuanian Research Centre for Agriculture and Forestry“, project coordinator.

2008 – 2010 “Plant biomass energy value enhancement by biotechnology methods”

International projects:

2017 – 2010 HORIZON 2020 project ““A thematic network to design the penetration path of non-food agricultural crops into European agriculture” (PANACEA)”, Coordinator in the Institute of Agriculture.

2016 – 2017 Swedish institute – Seed funding Project “Balancing bioenergy and ecosystems services in the Baltic Sea Region (BSR)”

2015 – 2018 Joint SNS-NKJ Project „Effects of bioenergy production from forests and agriculture on ecosystem services in Nordic and Baltic landscapes“

2013 – 2016 Intelligent Energy Europe Project “Optimizing pathways and market systems for enhanced competitiveness of sustainable bioenergy and technologies in Europe“

2010 – 2013 Baltic Sea Region Project “Baltic Forum for Innovation Technologies for Sustainable manure Management“

2009 – 2012 Intelligent Energy Europe Project “Promoting the uptake of gaseous vehicle fuels, biogas and natural gas in Europe”

2009 – 2012 Baltic Sea Region Project “The Baltic Sea Region Bioenergy Promotion Project”

OTHER
INFORMATION

In 2017 Lithuanian Academy of Sciences selected the application “The use of herbaceous energy crops for bioenergy potential and soil quality improvement” as candidate for World Federation of Scientists National Scholarship.

In 2016 Lithuanian Academy of Sciences awarded the one year scholarship for the scientific work of young researchers “The formation, quality and sustainability of herbaceous energy crops in northern climate zone of middle latitudes”

Since 2014 the member of Scientific board of Lithuanian Biomass Association

In 2013 Lithuanian Academy of Sciences awarded the prize for the scientific work “The productivity, biomass quality and energy value of traditional and alternative energy crops”

In 2012, was awarded for the scientific presentation at the conference “Young scientists - agricultural progress“, organized by the Lithuanian Academy of Sciences
Co-compiler of the book “Scientific methodologies for innovative agricultural and forestry research”

2013 a member of the organizing committee of international conference “Baltic Agronomy Forum”

Since 2012 a member of European Society of Agronomy

Since 2011 a member of Nordic Association of Agricultural Sciences

A member of Scientific and Organizing boards of international conference EUCARPIA 2017 <http://www.eucarpia2017.lt/>

Co-author of informational publications of Lithuanian Research Centre for Agriculture and Forestry

ORAL PRESENTATIONS AT THE INTERNATIONAL EVENTS 18 – 20 January 2017, Graz, Austria. 5th Central European Biomass Conference. “The role of grass digestion in the circular bio-economy”
 6 – 9 June 2016, Amsterdam, The Netherlands. 24th European Biomass conference and Exhibition. The Biomass Potential of Non-traditional Energy Crops in Lithuania
 16th February 2016, Brussels, Belgium. Removing barriers for biogas in a circular agro-economy. Barriers for biogas and nutrient recycling in Lithuania
 3 – 4 September, Vilnius, Lithuania. Vilnius Innovation Forum. Potential for unlocking bio-economy in Lithuania: Lithuanian agrobiomass and its usage.
 7 – 11 September 2014, Aberystwyth, Wales UK. 25th EGF General Meeting on “EGF at 50: the future of European grasslands”. The yield and variation of chemical composition of cocksfoot biomass after five years of digestate application
 7 – 9 September 2009, Brno, Czech Republic. 15th EGF Symposium on “Alternative functions of grassland”. Biomass of cocksfoot and tall fescue as a substrate for biogas production,

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Articles in journals indexed in Clarivate Analytics Web of Science database

1. Zvicevičius E., Raila A., Čiplienė A., Černiauskienė Ž., Kadžiulienė Ž., Tilvikienė V. 2018. Effects of moisture and pressure on densification process of raw material from *Artemisia dubia* Wall. *Renewable Energy*, 119: 185–182. IF – 4,357
2. Černiauskienė Ž., Raila A. J., Zvicevičius E., Kadžiulienė Ž., Tilvikienė V. 2018. Analysis of *Artemisia dubia* Wall. growth, preparation for biofuel and thermal conversion properties. *Renewable Energy*, 118: 468–476. IF – 4,357
3. Povilaitis V., Lazauskas S., Antanaitis Š., Feizienė D., Feiza V., Tilvikienė V. 2018. Relationship between spring barley productivity and growing management in Lithuania’s lowland. *Acta Agriculturae Scandinavica, Section B — Soil & Plant Science*, 68 (1): 86–95. IF – 0,651
4. Tilvikienė V., Šlepetienė A., Kadžiulienė Ž. 2018. Effects of 5 years of digestate application on biomass production and quality of cocksfoot (*Dactylis glomerata* L.). *Grass Forage Science*, 73 (1): 206–217. IF – 1,457
5. Kadžiulienė Ž., Tilvikienė V., Liaudanskienė I., Pocienė L., Černiauskienė Ž., Zvicevičius E., Raila A. 2017. *Artemisia dubia* growth, yield and biomass characteristics for combustion. *Zemdirbyste-Agriculture*, 104 (2): 99–106. IF – 0,579
6. Šlepetienė A., Staugaitis Z., Tilvikienė V., Šlepetys J., Kadžiulienė Z. 2017. The effect of mineral fertilizers and biogas digestate used for cocksfoot fertilization on the soil nitrogen changes. *Fresenius Environmental Bulletin*, 26 (4): 2604–2608. IF – 0,372
7. Šlepetienė A., Šlepetys J., Tilvikienė V., Amalevičiūtė K., Liaudanskienė I., Cesevičienė J., Kadžiulienė Z., Dabkevičius Z., Buliauskaite R. 2016. Evaluation of chemical composition and biogas production from legumes and perennial grasses in anaerobic digestion using the oxitop system. *Fresenius Environmental Bulletin*, 25 (5): 1342–1347. IF – 0,372
8. Tilvikienė V., Kadžiulienė Z., Dabkevičius Z., Venslauskas K., Navickas K. 2016. Feasibility of tall fescue, cocksfoot and reed canary grass for anaerobic digestion: Analysis of productivity and energy potential. *Industrial crops and products*, 87–96 (online). IF – 3,449
9. Povilaitis V., Šlepetienė A., & Šlepetys J., Lazauskas S., Tilvikienė V., Amalevičiūtė K., Feizienė D., Feiza V., Liaudanskienė I., Cesevičienė J., Kadžiulienė Ž., Kukujevas A. 2016. The productivity and energy potential of alfalfa, fodder galega and maize plants under the conditions of the nemoral zone. *Acta Agriculturae Scandinavica, Section B — Soil & Plant Science*, 66 (3): 259–266. IF – 0,649
10. Nekrošius A., Navickas K., Venslauskas K., Kadžiulienė Ž., Tilvikienė V. 2014. Assessment of energy biomass potential and greenhouse gas emissions from biogas production from perennial

grasses. *Zemdirbyste-Agriculture*, 101 (3): 271–278. IF – 0,420

11. Kadžiulienė Ž., Jasinskas A., Zinkevičius R., Makarevičienė V., Šarūnaitė L., Tilvikienė V., Šlepetyš J. 2014. Miscanthus biomass quality composition and methods of feedstock preparation for conversion into synthetic diesel fuel. *Zemdirbyste-Agriculture*, 101 (1): 27–34. IF – 0,420
12. Tilvikienė V., Venslauskas K., Navickas K., Župerka V., Dabkevičius Z., Kadžiulienė Ž. 2012. The biomass and biogas productivity of perennial grasses. *Zemdirbyste-Agriculture*, 99 (1): 17–22. IF – 0,567
13. Kryževičienė, A. Kadžiulienė Ž., Šarūnaitė L., Dabkevičius Z., Tilvikienė V., Šlepetyš J. 2011. Cultivation of Miscanthus × giganteus for biofuel and its tolerance of Lithuania's climate plants. *Zemdirbyste-Agriculture*, 2011, 98 (3): 267–274. IF – 0,327

Other peer-reviewed publications

1. Staugaitis Ž., Šlepetyš A., Tilvikienė V., Kadžiulienė Ž. 2016. Suminė ir labilioji anglis dirvožemyje tręšiant šunažolę mineralinėmis trąšomis ir biodujų gamybos šalutiniu produktu. *Žemės ūkio mokslai*, 23 (3): 123–129.
2. Cerniauskiene Z., Raila A., Zvicevicius E., Kadziulienė Z., Tilvikienė V. 2016. Influence of harvest time of Artemisia Dubia Wall. properties. *Engineering for Rural Development*, p. 826–831
3. Tilvikienė V., Kadziulienė Z., Dabkevičius Z., Šarūnaitė L., Šlepetyš J., Pocienė L., Šlepetyš A., Ceseviciene J. 2014. The yield and variation of chemical composition of cocksfoot biomass after five year of digestate application. *Grassland Science in Europe*, 19: 468–470
4. Pocienė L., Šarūnaitė L., Tilvikienė V., Šlepetyš J., Kadžiulienė Ž. 2013. The yield and composition of reed canary grass biomass as raw material for combustion. *Biologija*, 59 (2): 195–200
5. Povilaitis V., Tilvikienė V., Lazauskas S., Kadžiulienė Ž. 2010. Javų bioenergetinis potencialas vidurio Lietuvoje. *Ekonomika ir vadyba: aktualijos ir perspektyvos*, 3 (19): 103–109
6. Tilvikienė V., Butkutė B., Dabkevičius Z., Kadžiulienė Ž., Kryževičienė A. 2009. Nendrinių eraičių ir paprastųjų šunažolių biomasės kaita plaukėjimo bei žydėjimo tarpsniais. *Zemdirbyste-Agriculture*, 96 (2): 138–150
7. Tilvikienė V. 2009. Antrinių žaliavų, fermentuotų biodujų gamybos procese, panaudojimas paprastųjų šunažolių tręšimui. Doktorantų mokslinės konferencijos straipsnių rinkinys. *Jaunimas siekia pažangos – 2009*, 70–73. ISSN 1822-2331
8. Tilvikienė V., Kadziulienė Z., Kryzeviciene A., Dabkevicius Z., Lazauskas S. 2008. Biomass of grasses for energy: possibilities and expectations. *Italian Journal of Agronomy*, 3 (3): 561–562