

PERSONAL INFORMATION

Dainius Steponavičius



 Sukilėlių pr. 67-49, LT-49333, Kaunas, Lithuania
 +370 37 729 609; +370 37 788 160  +370 674 277 21
 dainius.steponavicius@vdu.lt

Sex **Male** | Date of birth **18/08/1971** | Nationality **Lithuanian**

WORK EXPERIENCE

From 2013 January so far

Professor

Vytautas Magnus University Agriculture Academy, Faculty of Agricultural Engineering, Institute of Agricultural Engineering and Safety
 Studentų str. 15A-301, LT-53362 Akademija, Kaunas district, Lithuania

Conducting of bachelor's and master's studies laboratory works of agricultural machinery, giving lectures, supervising them in preparation of final theses and doctoral students preparing dissertations.

From 2012 February so far

Head of the Laboratory of Progressive Agricultural Engineering

Vytautas Magnus University Agriculture Academy, Faculty of Agricultural Engineering, Institute of Agricultural Engineering and Safety, Laboratory of Progressive Agricultural Engineering

Coordination of research activities of the Laboratory of Progressive Agricultural Engineering.

Since 2010 April until 2019 February

Member of the Council of the Faculty of Agricultural Engineering

Aleksandras Stulginskis University, Faculty of Agricultural Engineering

Chairman of the Study Commission (March 2013 - February 2016);
 Member of the Science Commission (February 2016 - February 2019).
 Coordination of studies and research activities of the Faculty of Agricultural Engineering.

Since 2012 October until 2018 June

Director of the Institute of Agricultural Engineering and Safety

Aleksandras Stulginskis University, Faculty of Agricultural Engineering, Institute of Agricultural Engineering and Safety
 Studentų str. 15A-301, LT-53362 Akademija, Kaunas district, Lithuania

Coordination of studies and research activities of the Institute of Agricultural Engineering and Safety.

Since 2008 June until 2012 October

Head of the Department of Agricultural Machinery

Lithuanian University of Agriculture, Faculty of Agricultural Engineering, Department of Agricultural Machinery

Coordination of studies and research activities of the Department of Agricultural Machinery.

- Since 2007 November until 2013 January **Associate Professor**
Lithuanian University of Agriculture, Faculty of Agricultural Engineering, Department of Agricultural Machinery
Conducting of bachelor's and master's studies laboratory works of agricultural machinery, giving lectures, supervising them in preparation of final theses.
- Since 2005 September until 2007 November **Lecturer**
Lithuanian University of Agriculture, Faculty of Agricultural Engineering, Department of Agricultural Machinery
Conducting of bachelor's studies laboratory works of agricultural machinery, giving lectures, supervising them in preparation of final theses.
- Since 2006 October until 2009 October **Member of the Council of the Faculty of Agricultural Engineering**
Lithuanian University of Agriculture, Faculty of Agricultural Engineering
Chairman of the Methodological Commission.
Coordination of methodological literature publishing of the Faculty of Agricultural Engineering.
- Since 2004 January until 2005 September **Assistant**
Lithuanian University of Agriculture, Faculty of Agricultural Engineering, Department of Agricultural Machinery
Conducting of bachelor's studies laboratory works of agricultural machinery, supervising them in preparation of final theses.
- Since 1998 August until 2000 January **Manager of work organization**
VĮ „Pieno tyrimai“ (state-owned enterprise; analysis of raw cow milk)
Tilžės str. 18, LT-47181 Kaunas
Coordination of work in the laboratories of the company VĮ „Pieno tyrimai“.
- Since 1996 July until 1998 January **Technician**
Lithuanian University of Agriculture, Faculty of Agricultural Engineering, Department of Agricultural Machinery
Studentų str. 15A, LT-53362 Akademija, Kaunas district, Lithuania
Manufacture and maintenance of laboratory stands.

EDUCATION AND TRAINING

- Since 2005 September until 2008 June **Master of Ecology and Environment**
Lithuanian University of Agriculture, Faculty of Forestry and Ecology
Studentų str. 11, LT-53362 Akademija, Kaunas district, Lithuania
Master theses: Studies on migration of nitrogen compounds in soil
Level in international classification: ISCED 5.

- Since 1999 December until 2003 December
(Defence of dissertation: 6 May 2005)
- Doctoral degree. Technological sciences. Mechanical engineering (009 T)**
Lithuanian University of Agriculture, Kaunas University of Technology
Studentų str. 15A, LT-53362 Akademija, Kaunas district, Lithuania
Kęstučio str. 27, LT-44025 Kaunas, Lithuania
- Dissertation in Lithuanian: „Grūdų separacijos pro šiaudų sluoksnį ant klavišų intensyvinimo tyrimai“ (in German: *Intensivierung der Kornabscheidung durch Strohschicht und Schüttlerbeläge*; in English: *The Intensification of Grain Separation through Straw Layer and Straw Walker*).
- Level in international classification: ISCED 6.
- Since 1996 September until 1998 June
- Master of Agriculture Engineering**
Lithuanian University of Agriculture, Faculty of Agricultural Engineering, Department of Agricultural Machinery
Studentų str. 15A, LT-53362 Akademija, Kaunas district, Lithuania
- Master theses: Research of straw walkers
Occupational skills covered: analysis and design of agricultural machinery work process.
Level in international classification: ISCED 5.
- Since 1990 September until 1996 June
- Diploma Engineer of Agriculture**
Lithuanian Academy of Agriculture, Faculty of Agricultural Engineering, Department of Mechanics
Studentų str. 15, LT-53362 Akademija, Kaunas district, Lithuania
Occupational skills covered: design of working parts for agricultural machinery
Level in international classification: ISCED 4.
- Since 1986 September until 1990 June
- Agricultural technician-mechanic**
Ukmergė technical school (high school)
Kauno str. 108, LT-20115 Ukmergė, Lithuania
Occupational skills covered: agricultural machinery selection, control, and setting of optimal parameters
Level in international classification: ISCED 3.
- Since 1981 September until 1986 June
- 8th grade education**
Girdžiai school
Ateities str. 15, Girdžiai vilage, LT-74015 Jurbarkas district
Level in international classification: ISCED 1.
- Since 1978 September until 1981 June
- 3th grade education**
Žalgiris primary school
Liudvinavos vilage, LT-74015 Jurbarkas district

Mother tongue(s)	Lithuanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	C2	C2	C1	C1	C1
Russian	C2	C2	C1	C1	C1
English	A1	B2	A1	A1	B1
	Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user				

PERSONAL SKILLS

Communication skills

- Good Communication Skills Gained Through my Experience as Head of Department (2008-2012) and Director of Institute (2012-2018);
- 1994-1995 studies at Deula-Nienburg Agricultural Technical School in Germany;
- Three months' research internship in 2001 at the Dresden Technical University and 2002 at the Hohenheim Universities under the Erasmus program.

Organisational / managerial skills

- leadership (currently responsible for a team of 10 people – master and PhD students)

Job-related skills

- Supervised 77 students who successfully completed their diploma and bachelor's theses and 27 - who prepared their master's theses.

- Chairman (1 time), member (7 times) and opponent (2 times) of the Doctoral Dissertation Defence Council;

- Two supervised PhD students successfully defended their dissertations:

- PhD student Edvinas Pužauskas defended his dissertation "*Analysis of the movement of ears of corn over the surface of the concave and grain separation*", 20.09.2018, in the field of Mechanical Engineering at the Board meeting (Chairman of the Defence Board: Assoc. Prof. Dr. Giedrius Janušas, KTU).

- PhD student Laimis Bauša defended his dissertation "Reduction in adverse environmental impacts before and during oilseed rape harvesting", Technological Sciences; Environmental Engineering", 27.09.2019, in the field of Environmental Engineering at the Board meeting (Chairman of the Defence Board: Prof. Dr. Egidijus Šarauskius, VMU).

- Currently supervise 4 PhD students:

- Valdas Kiniulis, "*Estimation the rational design of chamber between rasp bars of threshing cylinder*", Technology Science; Mechanical Engineering.

- Darius Jovarauskas, "*Environment protection and resource saving by using canopy optical characteristics sensors in precise fertilization*". Technology Science; Environmental Engineering.

- Dainius Savickas, "*Sustainable agricultural technological processes using intelligent information technologies*". Technology Science; Environmental Engineering.

- Justinas Anušauskas, "*Increasing the efficiency of biologically active mineral fertilizers and reduction of environmental impact*". Technology Science; Environmental Engineering.

- Co-author of one invention patented in Lithuania and seven patented in Ukraine.

Digital skills

SELF-ASSESSMENT

Information processing

Communication

Content creation

Safety

Problem solving

independent user independent user independent user independent user independent user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

Driving licence

B and C categories since 1989.

ADDITIONAL INFORMATION

- Research interests**
- Improvement of harvesting technologies and machinery for agricultural plants;
 - Analysis of systems for precision agriculture.
- Publications**
- Over 60 articles have been published, including 21 in the Clarivate Analytics Web of Science with citation index.
- Projects**
- Horizon 2020 project H2020-BB-2016-1 No. 727883 *"Smart Forwarder for sustainable and efficient forest operation and management"*. Researcher. 2016-2019.
- Project of Lithuanian Ministry of Agricultural "The creation and testing of soil and plant properties-based optical sensors precision farming model adapted to Lithuanian conditions"*. Researcher. 2016-2018.
- 7FP project FP7-ERANET-2013-RTD. "Information and Communication Technologies and Robotics for Sustainable Agriculture". ICT-AGRI-2 Grant No. 618123.* Researcher. 2014-2017.
- Project of Lithuanian Ministry of Agricultural. "The influence of precision farming processes in reducing the environmental impact and costs of agricultural production"*. Researcher. 2014-2015.
- Project of Lithuanian Ministry of Agricultural "The optimization of technological parameters of field plant in precision farming"*. Researcher. 2013-2015.
- Conferences**
- Over 70 papers were delivered at scientific conferences, of which more than 30 were at international conferences abroad.
- Seminars**
- Head of field days and seminars for the project *"The optimization of technological parameters of field plant in precision farming"* (2014-2015, 16 field days and seminars).
- Memberships**
- Member of the European Society of Agricultural Engineers (EurAgEng) (Member No 12805);
 - Member of editorial board *"The International Journal of Food and Biosystems Engineering"* ISSN 2408-0675 (Greece), since 2016;
 - Member of editorial board *Mechanization and Electrification of Agriculture* ISSN 0202-1927 (Ukraine), since 2014;
 - Member of editorial board Annual International Conference *Human and Nature Safety* ISSN 1822-1823 (Lithuania), since 2013;
 - Member of editorial board *Agricultural Sciences* ISSN 1392-0200 (Lithuania), since 2009.