

CURRICULUM VITAE

Personal information

First name(s), Surname: **EGIDIJUS ZVICEVIČIUS**

E-mail, telephone: egidijus.zvicevicius@vdu.lt, +370 37 752330

Date of birth: 1973 06 20

Education

| Name of organization | Title of qualification or qualification degree | Year |
|--------------------------------------|--|------|
| Lithuanian academy of agriculture | Bachelor of agricultural engineering | 1995 |
| Lithuanian academy of agriculture | Certificated engineer of agricultural products storage and processing technologies | 1996 |
| Lithuanian university of agriculture | Master of agricultural engineering technology | 1998 |
| Lithuanian university of agriculture | Doctor (technological sciences, mechanical engineering direction) | 2003 |

Scientific degree (es):

| Name of organization | Title of scientific degree | Year |
|--------------------------------------|---|------|
| Lithuanian university of agriculture | Doctor (technological sciences, mechanical engineering direction) | 2003 |
| Lithuanian university of agriculture | Associate professor | 2005 |

Ability to use foreign languages: (from 5 to 1; 5- excellent performance, 1 –basic skills)

| Language | Understanding | Speaking | Writing |
|------------|---------------|----------|---------|
| lithuanian | 5 | 5 | 4 |
| russian | 5 | 4 | 4 |
| german | 4 | 3 | 3 |
| english | 3 | 2 | 2 |
| polish | 4 | 3 | 1 |

Other personal skills and competences (skills and competences to use special computer software, etc.): working with Visual Basic, AutoCAD programs.

Participation in training and advanced courses (not more than 5):

| Institution | Country | Topic | Period |
|--|--------------------|--|-------------------------|
| State seed and grain service under the Ministry of agriculture | Vilnius, Lithuania | Modern methods for determining grain quality | 2007.03.12 – 03.26 |
| BOKU university | Vienna, Austria | Biomass utilization for non-food needs - experience, training, research and practice conducted | 2008.03.09 – 03.16 |
| Hohenheim university | Stuttgart, Germany | Experience of study organization and teachers' competence development | 2011.01.19 – 01.25 |
| Sankt-Peterburg university of agriculture | Pushkin, Russian | Environmentally-friendly raw materials and production: research and practical examples | 2014.11.20 – 11.22 |
| VTT technical research centre of Finland | Finland | Experiences and perspectives of bioenergy use in Finland | 2015.02.01 – 02.06 |
| The Chamber of Agriculture | Lithuania | Requirements for Organic Exceptional Quality and Production of Biodynamic | 2015.07.14 – 2015.07.15 |

| | | | |
|--|------------|--|-------------------------|
| | | Production and Perspectives of Cooperation | |
| Latvian University of Agriculture | Latvian | Methods, equipments and technologies for biomass-solid biofuel cultivation, production and thermal conversion | 2015.08.17 – 2015.08.21 |
| DLG Service GmbH | Germany | Modern agricultural machinery and technology | 2015.11.09 – 2015.11.12 |
| Belarusian Academy of Sciences Institute of Agricultural Engineering | Belarusian | Scientific - technical progress in agricultural production: harvesting and commercial preparation technologies | 2016.05.11 – 2016.05.14 |
| T Optimus | Lithuania | Advanced Research Methods and New Opportunities for the Microbiology Laboratory | 2016.05.26 |
| Open Academy | Lithuania | Quality assurance of laboratory measurements | 2016.11.03 |
| KTU EDULab | Lithuania | Modern Didactics Trends | 2017.01.25 |
| World Biomass Association (WBA) | Sweden | Biomass recovery and conversion technologies and their development in Sweden | 2017.04.05 – 2017.04.08 |
| Lithuanian Research Centre for Agriculture and Forestry | Lithuania | Methods and equipment for assessing and preserving the quality of juicy agricultural products and grains | 2017.04.24 – 2017.04.28 |
| Lithuanian Vegetable Producers Association | Lithuania | Onion and potato cultivation, preparation for sale and market news | 2018.08.09 |

Work experience:

| Period | Organization | Occupation or position | Main activities and responsibilities (delivered subjects, research field, etc.) |
|-------------------|---|------------------------|--|
| 1998 07 – 1998 10 | Lithuanian university of agriculture | Research Associate | Drying and storage of crop products |
| 1998 – 2002 | Lithuanian university of agriculture | Doctoral student | Grain drying by active ventilation system |
| 2001 09 – 2002 06 | Lithuanian university of agriculture | Junior lecturer | Agricultural products processing and storage, preservation of quality |
| 2002 09 – 2005 12 | Lithuanian university of agriculture | Lecturer | Preparation of sales of agricultural products, processing and storage, preservation of quality |
| from 2005 12 | Lithuanian agriculture university (since 2019 year Vytautas Magnus university) | Associate professor | Preparation of sales of agricultural products, processing and storage, preservation of quality, conservation and conversion of biomass |
| 2011 05 – 2014 09 | Aleksandras Stulginskis university | Vice-Dean | Vice-Dean Faculty of Agricultural Engineering |
| from 2016 06 | Aleksandras Stulginskis university (since 2018 year Vytautas Magnus university) | Head | Head of Biomass Preparation, Logistics and Solid Fuel Process Laboratory |

Duration of pedagogical work experience: 18 years.

Duration of research work experience: 21 years.

Present occupation or position: associate professor.

Most important scientific publications:

1. Paulikiene, Simona; Raila, Algirdas; Žvirdauskienė, Renata; Zvicevičius, Egidijus . Application of an environmentally friendly preventive measure for the preservation of fresh vegetables // Journal of Food Science and Technology, 2019. ISSN: 0022-1155 (Print) 0975-8402 (Online)

2. Čipliesnė, Aušra, Zvicevičius, Egidijus, Raila, Algirdas. Aerial solar collector usage in drying technologies of medicinal and spice plants // Engineering for rural development [elektroninis išteklius] : 17th international scientific conference : proceedings, May 23-25, 2018. Vol. 17. ISSN 1691-3043 p. 1926-1932.
3. Černiauskienė, Živilė, Raila, Algirdas, Zvicevičius, Egidijus, Kadžiulienė, Žydrė, Tilvikienė, Vita. Analysis of *Artemisia dubia* Wall. growth, preparation for biofuel and thermal conversion properties // Renewable energy. Vol. 118 (2018). ISSN 0960-1481 p. 468-476.
4. Zvicevičius, Egidijus, Raila, Algirdas, Čipliesnė, Aušra, Černiauskienė, Živilė, Kadžiulienė, Žydrė, Tilvikienė, Vita. Effects of moisture and pressure on densification process of raw material from *Artemisia dubia* Wall. // Renewable energy. Vol. 119 (2018). ISSN 0960-1481, p. 185-192.
5. Kadžiulienė, Žydrė; Tilvikienė, Vita; Liaudanskienė, Inga; Pocienė, Lina; Černiauskienė, Živilė; Zvicevičius, Egidijus; Raila, Algirdas. *Artemisia dubia* growth, yield and biomass characteristics for combustion // Žemdirbystė = Agriculture / Lietuvos agrarinių ir miškų mokslų centras, Aleksandro Stulginskio universitetas. Akademija, (Kėdainių r.). ISSN 1392-3196. T. 104, Nr. 2 (2017), p. 99-106. [Science Citation Index Expanded (Web of Science); CAB Abstracts]. [Citav. rod (F): 0.579; bendr. cit. rod: 1.44 (2015)]
6. Černiauskienė, Živilė; Raila, Algirdas; Zvicevičius, Egidijus; Kadžiulienė, Žydrė; Tilvikienė, Vita. Influence of harvest time of *Artemisia Dubia* Wall. properties // Engineering for rural development [elektroninis išteklius] : 15th international scientific conference : proceedings, May 25-27, 2016. Jelgava, 2016. ISSN 1691-3043. Vol. 15, p. 826-831. [Conference Proceedings Citation Index; Academic Search Complete; Scopus; AGRIS]
7. Černiauskienė, Živilė; Raila, Algirdas; Zvicevičius, Egidijus; Kadžiulienė, Žydrė; Tilvikienė, Vita. Influence of harvest time of *Artemisia Dubia* Wall. properties // Engineering for rural development. Jelgava, 2016. ISSN 1691-3043. Vol. 15, p. 826-831.
8. Paulikienė, Simona; Raila, Algirdas; Žvirdauskienė, Renata; Zvicevičius, Egidijus. The Application of Environmentally Friendly Preventive Measures Technologies to Preserve Fresh Vegetables // Agrosym 2016. East Sarajevo, 2016, ISBN 9789997663269. p. 858.
9. Čipliesnė A., Maruška A., Raila A., Zvicevičius E., Ragažinskienė O., Stankevičius M. The quantity of biologically active substances in purple coneflower as influenced by the preparation methods and drying technologies // Žemdirbystė = Agriculture. ISSN 1392-3196. T. 102, Nr. 3 (2015), p. 297-304.
10. Čipliesnė A., Novošinskas H., Raila A., Zvicevičius E. Usage of hybrid solar collector system in drying technologies of medical plants // Energy Conversion and Management. Vol. 93 (2015), p. 399-405.
11. Volkavičiūtė, Živilė; Raila, Algirdas; Kadžiulienė, Žydrė; Zvicevičius, Egidijus; Tilvikienė, Vita; Tauras, Edgaras. Drying research in perennial mugwort (*Artemisia Dubia* Wall.) // Engineering for rural development. Jelgava, 2015. ISSN 1691-3043. Vol. 14, p. 168-173.
12. Zvicevičius, Egidijus; Novošinskas, Henrikas; Čipliesnė, Aušra; Ragažinskienė, Ona; Bartusevičius, Vaidas. Differences in drying processes of morphological parts of purple Coneflower (*Echinacea purpurea* L. Moench) // Engineering for rural development. Jelgava, 2013. ISSN 1691-3043. Vol. 12, p. 142-146.
13. Zvicevičius, Egidijus; Raila, Algirdas; Bartusevičius, Vaidas; Endzelis, Tomas. Impact of Straw Fractional Composition on Briquettes Quality // Engineering for rural development: the 13th international scientific conference, 23-24 May, 2013 Jelgava, Latvia
14. Raila, Algirdas; Zvicevičius, Egidijus; Bočys, Arvydas; Čipliesnė, Aušra. Intensification of crop production drying using solar radiation power // Engineering for rural development. Jelgava, 2012. ISSN 1691-3043. vol. 11, p. 199-209.
15. Steponavičius, Dainius; Steponavičienė, Aušra; Raila, Algirdas; Zvicevičius, Egidijus; Kemzūraitė, Aurelija. Investigation on ozone penetration along grain mound height // Journal of Food, Agriculture & Environmental. ISSN 1459-0255. Vol. 10, No. 1 (2012), p. 742-747.
16. Lugauskas, Albinas; Selskienė, Aušra; Butkienė, Rita; Ručinskienė, Alma; Jaskėlevičius, Bronius; Kemzūraitė, Aurelija; Zvicevičius, Egidijus. Micromycetes in industrial and household dust : peculiarities, effect on manufacturing and people's safety // Environmental Engineering. Vilnius: Technika, 2011. ISSN 2029-7106, ISBN 9789955288268. p. 195-202.

17. Raila, Algirdas; Lugauskas, Albinas; Novošinskas, Henrikas; Zvicevičius, Egidijus. Sultingų žemės ūkio produktų sandėliavimo technologijų mikrobiologinis įvertinimas // Žemės ūkio inžinerija. ISSN 1392-1134. Nr. 43(2) (2011), p. 7-15.
18. Raila, Algirdas; Lugauskas, Albinas; Kemzūraitė, Aurelija; Zvicevičius, Egidijus; Ragažinskienė, Ona; Railienė, Marija. Different drying technologies and alternation of mycobiots in the raw material of *Hyssopus officinalis* L // Annals of Agricultural And Environmental Medicine. ISSN 1232-1966. Vol. 16, No.1 (2009), p. 93-101. [ISI Web of Science; MEDLINE; CAB Abstracts]. [Citav. rod.: IF 1,443 AIF 2.228 (2008)]

Most important publications for students (not more than 5 items for the last 5 year period):

1. Raila A., Zvicevičius E. ir kt. Vaistinės augalinės žaliavos auginimo ir džiovinimo technologijos: rekomendacijos vaistinių ir prieskoninių augalų augintojams ir perdirbėjams (Growing and Drying Technologies for Medicinal Plant Raw Materials: Recommendations for Medicinal and Aromatic Plant Growers and Processors). – Akademija, Kauno r.: VDU, ASU Leidybos centras, 2014. 63 p.
2. Zvicevičius E., Raila A., Novošinskas H. Augalinės biomasės sandėliavimo sistemų inžinerija (Plant Biomass Storage Systems Engineering). – Akademija, Kauno r.: ASU Leidybos centras, 2013. 69 p.
3. Raila A., Zvicevičius E. Inžinerinių sistemų modeliavimas Visual Basic aplinkoje: papildoma mokomoji medžiaga (Engineering Systems Simulation in Visual Basic: Additional Training Materials). – Akademija, Kauno r.: ASU Leidybos centras, 2012. 84 p.
4. Raila A., Novošinskas H., Zvicevičius E. Žemės ūkio technologinis transportas (Agricultural Technological Transport). – Akademija, Kauno r.: Aleksandro Stulginskio universiteto Leidybos centras, 2012. 118 p.
5. Novošinskas, Henrikas; Raila, Algirdas; Zvicevičius, Egidijus. Pneumatiniai transporteriai: mokomoji medžiaga (Pneumatic Conveyors: Teaching Material) / Lietuvos žemės ūkio universitetas. Akademija: 2011. 58 p.
6. Jasinskas A., Zvicevičius E. Biomasės gamybos inžinerija: mokomoji knyga aukštosioms mokykloms (Biomass production engineering: instructional book for higher education) / Lietuvos žemės ūkio universitetas. Akademija: IDP Solutions, 2008. 98 p.
7. Jasinskas A., Zvicevičius E. Biomasės gamybos inžinerija: laboratorinių darbų metodiniai patarimai (Biomass production engineering: laboratory works methodological advice) / Lietuvos žemės ūkio universitetas. Akademija: 2008. 44 p.
8. Jakubonienė, Rūta; Kemzūraitė, Aurelija; Lapelė, Mindaugas; Mituzas, Laimonas; Novošinskas, Henrikas; Prakapaitė, Genė; Ragažinskienė, Ona; Raila, Algirdas; Rudzinskas, Valerijus; Zvicevičius, Egidijus. Vaistažolės. Ekologija. Saulės energija (Herbs. Ecology. Solar power) / Pilnų namų bendruomenė. Panara : Pilnų namų bendruomenė, 2007. 97 p.

Experience in the development and implementation of research and study projects:

| Project title | Main activities and responsibilities | Period |
|---|--|-------------|
| „Infrastructure modernization of biomass resources and conversion technologies for the management of research and development studies“ | Project administrator | 2006 – 2008 |
| Development of agriculture themes first and second cycle study programs and teachers' competencies | Member of the project team, team leader of the study program Biomass Engineering | 2010 – 2013 |
| „Scientific grounding of agricultural buildings technological design and methodological instructions“ // Theme „Scientific grounding of potato and vegetable storages technological design“ | Member of the project team | 2011-2012 |
| „Safe storage duration of grain and rapeseed in various types storages and their protection from insect and pest infestation in storage and production facilities of organic farm“ | Member of the project team | 2011-2012 |
| „Scientific grounding and evaluation of Jerusalem artichoke (<i>Helianthus tuberosus</i>) biomass production and processing technology for the energy conversion“ | Member of the project team | 2012-2013 |

| | | |
|---|----------------------------|-----------|
| „Diffusion technology of promising medicinal plants growing and innovative medicinal plant raw materials preparation to make use of solar energy“ | Project administrator | 2011-2014 |
| „The investigation of chemical composition and thermochemical conversion of Artemisia dubia biomass“ | Member of the project team | 2014-2016 |
| „Dissemination of innovative engineering solutions and thermo-energetic process management systems for the sustainability of juicy crop storage technologies“ | Project manager | 2018-2020 |

2019 – 03 – 21

(date)



(signature)