PERSONAL INFORMATION

Kristina LEKAVIČIENĖ

Kaunas, Lithuania
+370 673 05748
kristina.lekaviciene@vdu.lt

Sex female | Date of birth 20/01/1987 | Nationality Lithuanian

WORK EXPERIENCE

Since 2019	Lecturer of Institute Agricultural Engineering and Safety at the Vytautas Magnus University (former Aleksandras Stulginskis University)
2015 to 2019	Lecturer of Institute Agricultural Engineering and Safety at the Aleksandras Stulginskis University
2013 to 2015	Assistant of Institute Agricultural Engineering and Safety at the Aleksandras Stulginskis University
2011 to 2015	PhD student, Faculty of Agricultural Engineering, Aleksandras Stulginskis University and Kaunas university of Technology

EDUCATION

2011-2015	Doctoral Degree. Technological Sciences, Mechanical Engineering. Aleksandras Stulginskis University and Kaunas university of Technology
2009-2011	Master Degree. Technological Sciences, Mechanical Engineering. Aleksandras Stulginskis university
2005-2009	Bachelor. Mechanical Engineering. Aleksandras Stulginskis university

INTERNSHIP

2013 (3 months)	Internship theme: Research on the interaction between working parts of no–tillage disc machines, crop residues and the soil. University of Hohenheim, Germany.

PERSONAL SKILLS

Mother tongue(s) Lithuanian

Other language(s)

English	Independent user – B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

Projects

- Influence of Biological Preparations on soil tillage machines technological process and energy consumption, from 09/06/2015 to 10/11/2017, Ministry of Agriculture of the Republic of Lithuania, contract No. MT/15-35 (I-02-25/15).
- Research of technological operations on precision strip tillage and sowing machines and complex efficiency evaluation, from 01/06/2016 to 10/11/2018, Ministry of Agriculture of the Republic of Lithuania, contract No. MT/16-29 (I-02-24/16).
- Scientific project Research of Technological Processes of Tillage Machine Working Parts in Unploughed Soil. From 18/09/2014 to 31/01/2015, an entity.
- Justification and Energy Assessment of Technological Parameters of the Experimental Machine for Strip Tillage and Sowing, 2014–2015, Ministry of Agriculture of the Republic of Lithuania.
- Scientific project Research of Soil, Environment and Energy saving Tillage Machine Technological Processes, from 03/09/2012 to 31/12/2014, Research Council of Lithuania, contract No. MIP–116/2012.

Awards

2019 y. Young scientist award. Title of scientific work: „Influence of different biopreparations and tillage technologies on soil properties, reduction of energy consumption and CO2 emissions“.

2016 y. Acknowledgments for good pedagogical and scientific work.

2015 y. Young scientist award. Title of scientific work „Research of technological processes of strip tillage machine“.

LIST OF MAIN RESEARCH PUBLICATIONS

1. Kriaučiūnienė, Zita; Čepulienė, Rita; Velička, Rimantas; Marcinkevičienė, Aušra; **Lekavičienė, Kristina**; Šarauskis, Egidijus. Oilseed Rape Crop Residues: Decomposition, Properties and Allelopathic Effects // Sustainable Agriculture Reviews 32 : Waste Recycling and Fertilisation. Cham: Springer International Publishing AG, 2018. (Sustainable Agriculture Reviews, vol. 32), ISBN 9783319989136. p. 169-205. Access through internet: <https://www.springer.com/us/book/9783319989136>. [Databases: SpringerLINK].

2. **Lekavičienė, Kristina**; Šarauskis, Egidijus; Naujokienė, Vilma; Kriaučiūnienė, Zita. Effect of Row Cleaner Operational Settings on Crop Residue Translocation in Strip-Tillage // Agronomy-Basel. Basel: MDPI AG. ISSN 2073-4395. 2019, Vol. 9, iss. 5, art. no. 247, p. 1-14. Access through internet: <https://www.mdpi.com/2073-4395/9/5/247>. [Databases: Social Sciences Citation Index (Web of Science)]; [Citation Index: 1.419; total citation index: 2.321; quartile: Q2 (2017, SCIE)].

3. **Lekavičienė, Kristina**; Šarauskis, Egidijus; Naujokienė, Vilma; Buragienė, Sidona; Kriaučiūnienė, Zita. The effect of the strip tillage machine parameters on the traction force, diesel consumption and CO2 emissions // Soil and Tillage Research. Amsterdam: Elsevier. ISSN 0167-1987. Vol. 192 (2019), p. 95-102. Access through internet: <https://www.sciencedirect.com/science/article/pii/S0167198719302004>. [Databases: Science Citation Index Expanded (Web of Science); Science Direct; CAB Abstracts]; [Citation Index: 3.824; total citation Index 2.696; quartile: Q1 (2017, SCIE)] [SNIP: 1,805; SJR: 1,303 (2015, Scopus)].

4. Romaneckas, Kęstutis; Adamavičienė, Aida; Šarauskis, Egidijus; Kriaučiūnienė, Zita; Marks, Marek; **Vaitauskienė, Kristina**. Impact of living mulches on the physical properties of Planosol in monocropped maize cultivation // International agrophysics. Warsaw: De Gruyter. ISSN 0236-8722. 2018, Vol. 32, iss. 2, p. 165-173. Access through internet: <http://produkcja.ipan.lublin.pl/uploads/publishing/files/Romaneckas-32(2).pdf>. [Databases: Science Citation Index Expanded (Web of Science); Scopus]; [Citation Index: 1.242; total citation Index: 1.946; quartile: Q2 (2017, SCIE)] [SNIP: 1,014; SJR: 0,478 (2015, Scopus)].

5. Naujokienė, Vilma; Šarauskis, Egidijus; **Lekavičienė, Kristina**; Adamavičienė, Aida; Buragienė, Sidona; Kriaučiūnienė, Zita. The influence of biopreparations on the reduction of energy consumption and CO2 emissions in shallow and deep soil tillage // Science of the total environment. Amsterdam: Elsevier Science BV. ISSN 0048-9697. Vol. 621(2018), p. 1402–1413. Access through internet: <https://www.sciencedirect.com/science/article/pii/S0048969718302316>. [Databases: Science Citation Index Expanded (Web of Science); Science Direct; Scopus; MEDLINE; Environment Complete]; [Citation Index: 4.61; total citation index: 3.487; quartile: Q1 (2017, SCIE)] [SNIP: 1,531; SJR: 1,702 (2015, Scopus)].

6. **Vaitauskienė, Kristina**; Šarauskis, Egidijus; Romaneckas, Kęstutis; Jasinskas, Algirdas. Design, development and field evaluation of row-cleaners for strip tillage in conservation farming // Soil and Tillage Research. Amsterdam: Elsevier. ISSN 0167-1987. Vol. 174 (2017), p. 139-146. Access through internet: <http://www.sciencedirect.com/science/article/pii/S0167198717301332>. [Databases: Science Citation Index Expanded (Web of Science); Science Direct; CAB Abstracts]; [Citation Index: 3.824; total citation index: 2.696; quartile: Q1 (2017, SCIE)] [SNIP: 1,805; SJR: 1,303 (2015, Scopus)].

7. Šarauskis, Egidijus; **Vaitauskienė, Kristina**; Romaneckas, Kęstutis; Jasinskas, Algirdas; Butkus, Vidmantas; Kriaučiūnienė, Zita. Fuel consumption and CO2 emission analysis in different strip tillage scenarios // Energy. Oxford: Pergamon-Elsevier Science Ltd. ISSN 0360-5442. Vol. 118, part 1 (2017), p. 957-968. Access through internet: <http://www.sciencedirect.com/science/article/pii/S0360544216315675>. [Databases: Science Citation Index Expanded (Web of Science); Science Direct; Academic Search Complete; Scopus]; [Citation Index: 4.968; total citation index: 4.251; quartile: Q1 (2017, SCIE)] [SNIP: 1,898; SJR: 2,350 (2015, Scopus)].

8. **Vaitauskienė, Kristina**; Šarauskis, Egidijus; Naujokienė, Vilma; Liakas, Vytautas. The influence of free-living nitrogen-fixing bacteria on the mechanical characteristics of different plant residues under no-till and strip-till conditions // Soil and Tillage Research. Amsterdam: Elsevier. ISSN 0167-1987. Vol. 154 (2015), p. 91-102. Access through internet: <http://www.sciencedirect.com/science/article/pii/S0167198715001245>. [Databases: Science Citation Index Expanded (Web of Science); Science Direct; CAB Abstracts]; [Citation Index: 2.709; total citation index: 2.188 (2015, SCIE)].

9. Šarauskis, Egidijus; **Vaitauskienė, Kristina**. Research of mechanical traction characteristics of direct sowing equipment // Mechanics / Kaunas University of Technology, Lithuanian Academy of Sciences, Vilnius Gediminas Technical University. Kaunas: Technology. ISSN 1392-1207. 2014, vol. 20, no. 5, p. 506-511. Access through internet: <http://zurnalas.mechanika.ktu.lt/files/11_936-%207149_Sarauskis20(5).pdf>. [Databases: Science Citation Index Expanded (Web of Science); INSPEC; Compendex; Academic Search Complete; FLUIDEX; Scopus]; [Citation index: 0.292; total citation index : 1.862; quartile: Q4 (2014, SCIE)].

10. Šarauskis, Egidijus; Naujokienė, Vilma; Adamavičienė, Aida; Buragienė, Sidona; **Vaitauskienė, Kristina**; Romaneckas, Kęstutis; Kriaučiūnienė, Zita; Liakas, Vytautas; Jasinskas, Algirdas; Butkus, Vidmantas. The influence of biological preparations on physical soil properties and tillage fuel consumption // Actual Tasks on Agricultural

Engineering : Proceedings of the 45 International Symposium on Agricultural Engineering, Opatija, Croatia, 21-24 February 2017. Opatija, 2017. ISSN 1848-4425. p. 45-53. [Databases: Conference Proceedings Citation Index (Web of Science); CAB Abstracts].

11. **Vaitauskienė, Kristina**; Šarauskis, Egidijus; Naujokienė, Vilma; Jasinskas, Algirdas. Influence of different methods of bio-preparation use on cutting characteristics of winter wheat residues // TAE 2016 : proceedings of 6th international conference Trends in Agricultural Engineering 2016, 7-9 September, 2016, Prague, Czech Republic. Part 2 / Czech University of Life Sciences Prague. Prague: Czech University of Life Sciences Prague, 2016, ISBN 9788021326828. p. 666-672. [Databases : Conference Proceedings Citation Index (Web of Science)].

12. Šarauskis, Egidijus; **Vaitauskienė, Kristina**; Naujokienė, Vilma; Skukauskaitė, Ieva; Romaneckas, Kęstutis; Kriaučiūnienė, Zita; Butkus, Vidmantas. Harvest residues bio-treatment as a soil incorporation improvement // Actual Tasks on Agricultural Engineering : Proceedings of the 43 International Symposium on Agricultural Engineering, Opatija, Croatia, 24-27 February 2015. ISSN 1848-4425. p. 231-241. [Databases: Conference Proceedings Citation Index (Web of Science); CAB Abstracts].

13. Naujokienė, Vilma; Šarauskis, Egidijus; **Vaitauskienė, Kristina**; Skukauskaitė, Ieva. Influence of bio-preparation on cutting characteristics of cannabis residues // Engineering for rural development : 14th international scientific conference : proceedings, May 20-22, 2015. Jelgava, 2015. ISSN 1691-3043. Vol. 14, p. 564-570. Access through internet: <http://www.tf.llu.lv/conference/proceedings2015/Papers/092_Naujokiene.pdf>. [Databases: Conference Proceedings Citation Index (Web of Science); Academic Search Complete; CAB Abstracts; Scopus; AGRIS].

14. Šarauskis, Egidijus; **Vaitauskienė, Kristina**; Romaneckas, Kęstutis; Sakalauskas, Antanas; Jasinskas, Algirdas; Butkus, Vidmantas; Karayel, Davut; Kriaučiūnienė, Zita. Research in strip tillage machine row cleaner technology process // Engineering for rural development : 14th international scientific conference : proceedings, May 20-22, 2015. Jelgava, 2015. ISSN 1691-3043. Vol. 14, p. 51-56. Access through internet: <http://www.tf.llu.lv/conference/proceedings2015/Papers/008_Sarauskis.pdf>. [Databases: Conference Proceedings Citation Index (Web of Science); Academic Search Complete; CAB Abstracts; Scopus; AGRIS].

15. Šarauskis, Egidijus [Sarauskis, Egidijus]; Romaneckas, Kęstutis; **Vaitauskienė, Kristina [Vaitauskiene, Kristina]**; Sakalauskas, Antanas; Vaiciukevičius, Edvardas [Vaiciukevicius, Edvardas]; Petrauskas, Remigijus. Influence of soil hardness on traction force of different design coulters // Engineering for rural development : 12th international scientific conference : proceedings, may 23-24, 2013. Jelgava, 2013. ISSN 1691-3043. Vol. 12, p. 85-92. Access through internet: <http://tf.llu.lv/conference/proceedings2013/Papers/014_Sarauskis_E.pdf>. [Databases: Conference Proceedings Citation Index (Web of Science); Academic Search Complete; CAB Abstracts; Scopus].

16. Šarauskis, Egidijus; Romaneckas, Kęstutis; Sakalauskas, Antanas; Vaiciukevičius, Edvardas; **Vaitauskienė, Kristina**; Karayel, Davut; Petrauskas, Remigijus. Theoretical analysis of interaction of disc coulters and straw residues under no-tillage conditions // Agronomy Research. ISSN 1406-894X. 2013, Vol. 11, N. 1, p. 89-96. [Databases: Zoological Record; CAB Abstracts; AGRICOLA; Scopus; BIOSIS Previews].

17. **Vaitauskienė, Kristina**; Šarauskis, Egidijus. Interaction process between strip-tillage equipment, plant residues and soil // ISB-INMA TEH' 2014 : Agricultural and Mechanical Engineering : International Symposium, 30th - 31th October, 2014. Bucharest, 2014. ISSN 2344-4118. p. 9-14. [Databases: CAB Abstracts].

18. Jasinskas, Algirdas; Streikus, Dionizas; Kučinskas, Vytautas; Vaitauskienė, Kristina; Yilmaz, Deniz; Ziemelis, Imants. Herbal plants preparation for biofuel and analysis of pellets properties // Agricultural engineering = Žemės ūkio inžinerija. ISSN 1392-1134. Vol. 48 (2016), p. 1-7. Access through internet: <http://ageng.asu.lt/ae/article/view/124/102>. [Databases: CAB Abstracts].
19. Šarauskis, Egidijus; Naujokienė, Vilma; Vaitauskienė, Kristina. A method for reducing fuel consumption in crop production using a biological preparation: Patent No. LT6470 (B) / Aleksandras Stulginskis University, 2017-11-10. 4 p. Access through internet: <http://www.vpb.gov.lt/db_patentai/rezult-singl.php?id=X531540>.
20. Šarauskis Egidijus; Sakalauskas Antanas; Vaitauskienė Kristina; Vaiciukevičius Edvardas; Kačinas Giedrius. Technological equipment of strip-till and sowing. Patent No. LT6099 (B), Aleksandras Stulginskis University, 29-12-2014. 6 p. Access through internet: <http://www.tb.lt/PIC/Fondas/isradimai/Pilni%20aprasymai/LIETUVOS%20PATENTAI/20141229/LT6099.PDF>.

OTHER SCIENTIFIC ACTIVITIES

1. Šarauskis, Egidijus; Lekavičienė, Kristina; Naujokienė, Vilma; Buragienė, Sidona. An Empirical and Experimental Analysis of Interaction between Row Cleaner Parameters and Plant Residues in Strip Tillage // Proceedings of the 21th ISTRO International Conference, 24-27 September, Paris, France. Paris, 2018. (Tires, tillage and seeding equipment design (oral).). p. 387-388. Access through internet: <http://webistem.com/ISTRO2018/output_directory/cd1/data/articles/000009.pdf>.
2. Gedaminskis, Robertas; Lekavičienė, Kristina. Evaluation of Strip and Conventional Sowing Technological Operations in Bean Growing // Human and nature safety 2018 : proceedings of the 24rd international scientific-practice conference / Aleksandras Stulginskis University, Vytautas Magnus University, The Lithuanian Academy of Sciences. Akademija, 2018. ISSN 1822-1823. p. 58-60.
3. Šarauskis, Egidijus; Lekavičienė, Kristina. Strip tillage: dependence of fuel consumption and CO2 emissions on technical parameters // My Farm. ISSN 1392-3595. 2018, September, p. 56-62.
4. Vaitauskienė, Kristina. How to improve decomposition of plant residues in soil // My Farm. ISSN 1392-3595. 2017, April, p. 54-55.
5. Lipnickas, Tomas; Vaitauskienė, Kristina; Šarauskis, Egidijus. Properties of plant residues and their interaction with tillage machines // Agro-engineering and energy: ASU Journal of Science Popularization and Production, Faculty of Agricultural Engineering. ISSN 1392-8244. 2014, Nr. 19, p. 51-56.
6. Deveikis, Mantas; Vaitauskienė, Kristina; Šarauskis, Egidijus. Research of interaction between strip tillage machine, soil and plant residues // Agro-engineering and energy: ASU Journal of Science Popularization and Production, Faculty of Agricultural Engineering. ISSN 1392-8244. 2014, Nr. 19, p. 109-114.
7. Vaitauskienė, Kristina; Ūksas, Tomas. Research of the Effect of Weed Thermal Destruction // Agro-engineering and energy: ASU Journal of Science Popularization and Production, Faculty of Agricultural Engineering. ISSN 1392-8244. 2011, Nr. 16, p. 189-193.