

# Jurga Jankauskienė

## CONTACT INFORMATION

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Address Akademijos Str. 2, Vilnius LT-08412, Lietuva  
Tel. No.: +370 5 272 98 39  
E-mail: jurga.jankauskiene@gamtc.lt  
[orcid.org/ 0000-0003-3512-118X](https://orcid.org/0000-0003-3512-118X)  
[www.researchgate.net/profile/Jurga-Jankauskiene](http://www.researchgate.net/profile/Jurga-Jankauskiene)  
<https://www.scopus.com/authid/detail.uri?authorId=37067539700>

## EDUCATION AND ACADEMIC DEGREE

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2015 PhD in Biomedical Sciences, Biology science. Title of PhD thesis: „Physiological-biochemical peculiarities of oilseed rape (*Brassica napus* L.) cold acclimation. Scientific supervisor – habil. dr. N. Anisimovienė. Research field: plant physiology, plant biochemistry; studies on the involvement of plant growth-regulating compounds in stress to various environmental factors.

2002 Master degree of Environmental Science, environment control/protection, ecology, Vilnius University, Lithuania.

2000 Bachelor of Biology, School Teacher, Faculty of Natural Sciences, Vilnius Pedagogical University, Lithuania.

## PROFESSIONAL EXPERIENCE

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### *Scientific activity*

Since 2020 **Senior Researcher**  
Laboratory of Plant Physiology, Nature Research Centre

2015 – 2020 **Researcher**  
Laboratory of Plant Physiology, Nature Research Centre

2010 – 2015 **Biologist**  
Laboratory of Plant Physiology, Nature Research Centre

2006 – 2010 **PhD student**  
Laboratory of Plant Physiology, Nature Research Centre

2003 – 2006 **Engineer**  
Laboratory of Plant Physiology, Institute of Botany

2002 – 2003 **Laboatory assistant**  
Laboratory of Plant Physiology, Institute of Botany

### *Administrative experience:*

Since 2018 **Scientific secretary**  
Nature Research Centre

## RESEARCH INTERESTS

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Plant physiology, plant biochemistry, the role of protein content/composition, the importance of phytohormones (IAA, ethylene) changes to the resistance of plants to negative environmental factors, as well as the involvement of antioxidant compounds and plant growth regulators in stress into various environmental factors. Experience in the grain sector, to carry out, monitor, analyze, model and control the yield and productivity of crops. Searching innovation in the biological sciences, for example: encompassed production of renewable biological resources from land and

sea and fresh water and their conversion in to bio-based products. Bio-products we examining with crop plants in Laboratory of Plant Physiology and under natural condition.

## PUBLICATIONS

*Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index):*

1. Velička R., Anisimovienė N., Pupalienė R., **Jankauskienė J.**, Butkevičienė L.M., Kriaučiūnienė Z., 2010. Preparation of oilseed rape for over wintering according to autumnal growth and cold acclimation period. *Žemdirbystė=Agriculture*. 97(3): 69-76.
2. Anisimovienė N., **Jankauskienė J.** 2012.Changes in phytohormone indole-3-acetic acid level and status in response to cold stress. *Acta Physiologiae Plantarum*, 34 (Suppl. 1): S11.
3. Anisimovienė N., **Jankauskienė J.**, Jodinskienė M., Bendokas V., Stanys V., Šikšnianas V. 2013. Phenolics, antioxidative activity and characterization of anthocyanins in berries of blackcurrant interspecific hybrids. *Acta Biochimica Polonica*. 60(4): 767-772.
4. Verbylaitė R., Pliūra A., Lygis V., Suchockas V., **Jankauskienė J.**, Labokas J. 2017 Genetic diversity and its spatial distribution in self-regenerating Norway spruce and Scots pine stands. *Forests*, 8(12): 470.
5. Pliūra A., **Jankauskienė J.**, Lygis V., Suchockas V., Bajerkevičienė G. and Verbylaitė R. 2018 Response of juvenile progeny of different populations of seven forest tree species to simulated climate change-related stressors, heat and drought. *iForest*, 11: 374-388.
6. Suchockas, V., Pliūra, A., Labokas, J., Lygis, V., Dobrowolska, D., **Jankauskienė, J.** and Verbylaitė, R. 2018. Evaluation of Early Stage Regeneration of Forest Communities Following Natural and Human-caused Disturbances in the Transitional Zone between Temperate and Hemiboreal Forests. *Baltic Forestry* 24(1): 131-14.
7. Sergiev I., Todorova D., Shopova E., **Jankauskienė J.**, Jankovska-Bortkevič E., Jurkonienė S. 2018. Effects of auxine analogues and heat stress on garden pea. *Zemdirbyste-Agriculture*, 105(3): 243-248.
8. Sergiev I., Todorova D., Shopova E., **Jankauskienė J.**, Jankovska-Bortkevič E., Jurkonienė S. 2019. Exogenous auxin type compounds amend PEG-induced physiological responses of pea plants. *Scientia Horticulturae*, 248: 200-205.
9. Jankovska-Bortkevic E., Gaveliene V., Koryzniene, D., **Jankauskiene J.**, Mockeviciute R., Jurkoniene S. 2019. Response of winter oilseed rape to imitated temperature fluctuations in autumn-winter period. *Environmental and Experimental Botany*, 166: 103801.
10. Pliūra A., **Jankauskienė J.**, Bajerkevičienė G., Lygis V., Suchockas V., Labokas J., Verbylaitė R. 2019. Response of juvenile of seven forest tree species and their populations to different combinations of simulated climate change-related stressors: spring-frost, heat, drought, increased UV radiation and ozone concentration under elevated CO<sub>2</sub> level. *Journal of Plant Research*, 132: 789-811.
11. Pliūra A., Bajerkevičienė G., Labokas J., Lygis, V., **Jankauskienė J.**, Suchockas V., Verbylaitė R. 2020. The effects of different combinations of simulated climate change-related stressors on juveniles of seven forest tree species grown as mono-species and mixed cultures. *Baltic Forestry*, 26(1): 326.
12. Jankovska-Bortkevič E., Gavelienė V., Šveikauskas V., Mockevičiūtė R., **Jankauskienė J.**, Todorova D., Sergiev I., Jurkonienė S. 2020. Foliar application of Polyamines Modulates Winter Oilseed Rape Response to Increasing Cold. *Plants*, 9: 179.
13. Sergiev I., Todorova D., Shopova E., Brankova E., **Jankauskienė J.**, Jurkonienė S., Gavelienė V., Mockevičiūtė R. 2020. Assessment of synthetic auxin type compounds as potential modulators of herbicide action in *Pisum sativum* L. *Biologia*, DOI 10.2478/s11756-020-00557-0.
14. Jurkonienė, S., **Jankauskienė, J.**, Mockevičiūtė, R., Gavelienė, V., Jankovska-Bortkevič, E., Sergiev, I., Todorova, D., & Anisimovienė, N. (2021). Elevated temperature induced

- adaptive responses of two Lupine species at early seedling phase. *Plants*, 10(6), 1-13. doi:10.3390/plants10061091.
15. **Jankauskiene, J.**, Mockevičiūtė, R., Gavelienė, V., Jurkonienė, S., Anisimovienė, N. 2022. The Application of Auxin-like Compounds Promotes Cold Acclimation in the Oilseed Rape. *Plant. Life*, 12, 1283. <https://doi.org/10.3390/life12081283>.
  16. Todorova D., Katerova Z., Shopova E., Brankova E., Sergiev I., **Jankauskienė J.**, Jurkonienė S. 2022. The Physiological Responses of Wheat and maize Seedlings grown under Water Deficit Are Modulated by Prie-Application of Auxin-Type Plant Growth Regulators. *Plants*, 11:3251. <https://doi.org/10.3390/plants11233251>.
  17. Verbylaitė R., Pliūra A., Lygis V., Suchockas V., **Jankauskienė J.**, Labokas J. 2023. Genetic Diversity of Five Broadleaved Tree Species and Its Spatial Distribution in Self-Regenerating Stands. *Forests*, 14, 281. <https://doi.org/10.3390/f14020281>.
  18. Jankovska-Bortkevič E., Katerova Z., Todorova D., **Jankauskienė J.**, Mockevičiūtė R., Sergiev I., Jurkonienė S. Effects of Auxin-Type Plant Growth Regulators and Cold Stress on the Endogenous Polyamines in Pea Plants. *Horticulturae*, 9, 244. <https://doi.org/10.3390/horticulturae9020244>.

**Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:**

1. Merkys A., Anisimovienė N., Jodinskienė M., Mockevičiūtė R., **Jankauskienė J.**, 2004. Subcellular localization of auxin-binding proteins in dicotyledonous plant cells. *Acta Physiologiae Plantarum*. 26 (3): 157-158.
2. Anisimovienė N., Novickienė L., **Jankauskienė J.**, Jodinskienė M., Mockevičiūtė R., 2005. Physiological-biochemical peculiarities of winter rape cold acclimation: search for possibilities to improve it. *Acta Physiologiae Plantarum*. 27 (4): 16.

**Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (without citation index):**

1. Jurkonienė S., Mockevičiūtė R., **Jankauskienė J.**, Jankovska-Bortkevič E., Armalytė G., Gavelienė V. 2021. Application of commercial Plant probiotics improves berry yield and quality of field-grown Blackcurrant. *ACS Agric. Sci. Technol.* 1: 615-622. DOI:10.1021/acsagscitech.1c00115.

**Scientific articles published in journals referred in other databases:**

1. Anisimovienė N., Novickienė L., **Jankauskienė J.** 2004. Cold acclimation of winter rape: changes in protein composition under the effect of auxin analogue TA-14. *Žemdirbystė=Agriculture*, 86(2): 30-38.
2. Anisimovienė N., Novickienė L., Mockevičiūtė R., Jodinskienė M., **Jankauskienė J.** 2006. Augalų adaptacijos prie šalčio molekulinio mechanizmo aspektai. *Sodininkystė ir daržininkystė. Mokslo darbai*, 25(2): 43-52.
3. Anisimovienė N., **Jankauskienė J.**, Novickienė L. 2008. Actualities in plant cold acclimation. *Sodininkystė ir daržininkystė. Mokslo darbai*, 27(2): 99-109.
4. Sergiev I., Todorova I., Shopova E., Katerova Z., **Jankauskienė J.**, Jurkonienė S. 2017. Auxin-like compounds act as protectors against UV-B irradiation in garden pea plants. *Botanica Lithuanica*, 23(2): 79-88.
5. Sergiev I., Todorova I., Katerova Z., Shopova E., **Jankauskienė J.**, Jurkonienė S. 2017. Beneficial effects of Auxin-like compounds on pea plants irradiated with UV-C. *Genetics and Plant physiology*, 7(3-4): 135-146.

6. Todorova D., Sergiev I., Shopova E., Brankova L., **Jankauskienė J.**, Jurkonienė S., Gavelienė V., Mockevičiūtė R. 2021. Physiological responses of Pea plants to treatment with synthetic auxins and auxin-type herbicide. *Botanica*, 27 (2): 125-133.
7. **Jankauskienė J.**, Buzytė K., Paškauskas R. 2021. Melsvabakterių biomasės kaip biotrašos naudojimo galimybės žemės ūkio augalų augimo ir vystymosi procesams valdyti. *Proceedings of the Conference for Junior Researchers "Science – Future of Lithuania"*, *Aplinkos apsaugos inžinerija / Environmental protection engineering*, 24: 71-78. <https://doi.org/10.3846/aainz.2021.11>

## **PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS**

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- 2008 – 2010 **Member of team project.** Joint Activities (Partnership) Agreement with Lithuanian University of Agriculture Research council of Lithuania for Implementation of Project in R&D programme of industrial biotechnology in Lithuania „Management of Productivity and Pathogenic Resistance of Oil Plants“ (BIOKURAS). Chief executive –V. Gavelienė.
- 2010 – 2011 **Member of team project.** Project under the National research programme (NRP) “Ecosystems in Lithuania: climate change and human impact” „Internal factors of invasivity of alien plant species spreading by seed“. (INVAZYVUMO VEIKSNIAI). Chief executive – N. Anisimovienė.
- 2009 – 2010 **Member of team project.** International project under COST FA0603 action „Plant Proteomics in Europe (EUPP), Action chair – Dr. Jenny Renaut, Center of Public Research – Gabriel Lippmann (Luxembourg). Subject of Lithuanian group – Proteomics as a tool in plant adaptation mechanisms assays. Working Group 2 - WG2, Application, Plant Physiology. Chief executive - Dr. Habil. Nijolė Anisimovienė (Lithuania).
- 2010 – 2013 **Member of team project.** Project under the National research programme (NRP) „Healthy and safe food. Interspecific hybrids of orchard plant – a novel sources of anthocyanins“. (HIBRIDAI). Chief executive – N. Anisimovienė.
- 2013 – 2015 **Member of team project.** Agreement of scientific collaboration between Nature Research Centre (Vilnius, Lithuania) and Institute of Plant Physiology and Genetics (Sofia, Bulgaria). Subject of collaboration – fundamental research in field of plant physiology. 2013-2015. Project leaders: Dr. M. Jodinskienė (Lithuania) and assistant professor D. Todorova (Bulgaria).
- 2016 – 2019 **Leader of project.** Agreement of scientific collaboration between Nature Research Centre (Vilnius, Lithuania) and Institute of Plant Physiology and Genetics (Sofia, Bulgaria). Joint research project “Plant growth regulators – tools for increasing plants tolerance to temperature stress”. Project leaders: Dr. J. Jankauskienė (Lithuania) and Assis Prof. D. Todorova (Bulgaria).
- 2015 – 2018 **Member of team project.** National Science Programme “Sustainability of agro, forest and water ecosystems” project “Response and plasticity of different tree species & juvenile-stage forest communities under impact of climate change and other environmental stressors”. 2015-2018, Lithuanian Science Council, No. SIT-4/2015, project leader acad. Dr. (HP) A.Pliūra.

- 2014 – 2020 **Member of team project.** Rural development 2014-2020 for Operational Groups (in the sense of Art 56 of Reg.1305/2013). „Soil structure and quality improvement using microorganisms. Reduction of nitrogen compounds emissions, while maintaining the productivity of plants”. Project coordinator The Chamber of Agriculture of the Republic of Lithuania, Nature Research Centre.
- 2019 – 2021 **Leader of project.** Agreement of scientific collaboration between Nature Research Centre (Vilnius, Lithuania) and Institute of Plant Physiology and Genetics (Sofia, Bulgaria). Joint research project “Assessment of ability of synthetic auxin type compounds to counteract herbicide stress in crop plants”. Project leaders: Dr. J. Jankauskienė (Lithuania) and Assis Prof. D. Todorova (Bulgaria).
- 2022 **Leader of project.** “Effect of cyanobacterial biomass as a biofertilizer on growth and development processes of agricultural plants”. Institution of financed activities – Research Council of Lithuania.

## INTERNSHIP AND TRAINING

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- 2010 The traineeship to Crop Research Institute Department of Genetics and Plant Breeding (Prague, Czech Republic) in Proteomic Laboratory. Traineeship supervisor - Dr. Ilja Prášil,
- 2017 "Modern Thin Layer Chromatography (TLC / HPTLC)" Muttentz (Switzerland) at Camag

## PARTICIPATION IN SCIENTIFIC CONFERENCES

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### *International scientific conferences:*

1. Anisimovienė N., Novickienė L., **Jankauskienė J.**, 2003. Vlijanie sintetičeskikh analogov auksina na fond belkov v svjazi s perezimovkoj rapsa (*Brassica napus* L.). In: Ksenobiotiki i živie sistemy. *Materialy II meždunarodnoi naučnoi konferencii*, – Minsk, 42-46. (Анисимовене Н., Новицкене Л., **Янкаускене Ю.**, 2003. Влияние синтетических аналогов ауксина на фонд белков в связи с перезимовкой рапса (*Brassica napus* L.). In: Ксенобиотики и живые системы. *Материалы II международной научной конференции*, Минск, 42-46.).
2. Anisimovienė N., Novickienė L., **Jankauskienė J.**, 2004. Cold acclimation of winter rape protein fund changes by auxin physiological analogue. In: *Growth and developments. In: "Theoretical and practical problems"*, Babtai, 20-21.
3. Anisimovienė N., **Jankauskienė J.**, Novickienė L., 2008. Actualities in plant cold acclimation: research on the implication of auxin. In: „Actualities in plant physiology“. *Abstracts of International Scientific conference*, 25.
4. Anisimovienė N., **Jankauskienė J.**, Jodinskienė M., Mockevičiūtė R., 2009. Proteomics as a tool in plant adaptation mechanisms assays. In: „Technical aspects inherent to plant proteomics. Classical and novel approaches in plant proteomics“. *Abstracts of International scientific conference*, Viterbo, 73.
5. Anisimovienė N., **Jankauskienė J.**, Jodinskienė M., Mockevičiūtė R., 2009. Transformation of protein composition during cold acclimation period of oilseed rape (*Brassica napus* L.). In: „*Plant proteomics in Europe*“, Nitra, 34-35.
6. Anisimovienė N., Mockevičiūtė R., **Jankauskienė J.** 2009. Baltymų sudėties transformacijos grūdinimosi-pasiruošimo žiemojimui metu. In: „*Aliejinių bastutinių šeimos augalų produktyvumo formavimas ir valdymas*“, Kaunas, 6-8.

7. Anisimovienė N., Jodinskienė M., Mockevičiūtė R., **Jankauskienė J.** 2011. Evaluation of specific proteins related with oilseed rape cold acclimation. *Book of Abstract Final COST FA 0603 Meeting „Plant Proteomics in Europe“*, Dijon, LF2.
8. Anisimovienė N., **Jankauskienė J.**, Jodinskienė M., Bendokas V., Stanys V., Šikšnianas V. 2013. New sources of phenolic compounds and antocyanins for biotechnology. *Book of Abstract „5<sup>th</sup> Central European Congress of Life sciences. Leading area: White and Green Biotechnology*, Krakow, 63-64.
9. **Jankauskienė J.**, Anisimovienė N. 2014. Coumpound TA-14 influence on auxin level during oilseed rape cold acclimation. In: „*Conference program and book of Abstracts „Plant Physiology and Genetics. Achievements and Challenges“*“, Bulgaria, 66.
10. **Jankauskienė J.**, Anisimovienė N. 2015: Influence of auxin physiological analogues on IAA metabolism during cold acclimation. – *Acta Physiologia Plantarum*, 37: 87.
11. **Jankauskienė J.**, Anisimovienė N., Vítamvás P. 2016. Hormonal control of dehydrins composition during cold acclimation in *Brassica napus*. In: „*Aspects of Aplied Biology. Abstracts of conference “Growing Landscapes – Cultivating innovative agricultural systems”*“ UK, P.4.6.
12. Jurkonienė S., Gavelienė V., Švegždienė D., Darginavičienė J., **Jankauskienė J.**, Anisimovienė N. 2016. Lupinus polyphyllus invasivity in warming climate condition. In: „*Aspects of Aplied Biology. Abstracts of conference “Growing Landscapes – Cultivating innovative agricultural systems”*“ UK, XX.
13. **Jankauskienė J.**, Jurkonienė S., Gavelienė V., Mockevičiūtė R., Jodinskienė J., Todorova D. 2017. Response of kidneybean and pea plants to low temperature stress under polyamines treatment and its role to productivity. *Book of Abstracts. “Global Conference on Plant Science and Molecular Biology*, 89.
14. Jankovska-Bortkevič E., Mockevičiūtė R., **Jankauskienė J.**, Jurkonienė S. ir Gavelienė V. 2017. New approach of HPTLC for identification of auxins in frost resistant plants. *Book of Abstracts. International Symposium for High Performance Thin Layer Chromatography*, 94.
15. Sergiev, I, Todorova, D, Shopova, E, **Jankauskienė, J.**, Jankovska-Bortkevič, E, Jurkonienė, S. Exogenous auxin-type compounds amen PEG-induced physiological responses of pea plants. 2and International Conference on the Scientific Actualities and Innovations in Horticulture 2018 SAIH 2018 “Development and technology”. Program and Abstracts: 40.
16. Jankovska-Bortkevič E., Koryznienė D., **Jankauskienė J.**, Mockevičiūtė R., Gavelienė V., Todorova D., Jurkonienė S. 2018. Effects of polyamines on cold stress resitance of common bean. 2and International Conference on the Sietific Actualities and Innovations in Horticulture 2018 SAIH 2018 “Development and technology”. Program and Abstracts: 124.
17. **Jankauskienė J.**, Jurkonienė S., Gavelienė V., Mockevičiūtė R., Jankovska-Bortkevič E., Todorova D. 2018. The role of polyamines on IAA metabolism in legume plants under the field condition. International Scientific Conference “Kliment’s days”. Abstracts: 138.
18. Koryznienė D., Jurkonienė S., Žalnierius T., Gavelienė V., **Jankauskienė J.**, Jankovska-Bortkevič E., Mockevičiūtė R., Bareikienė N. 2018. The effect of GA<sub>3</sub> treatment on the developmnet of *Heracleum sosnowskyi* manden. seeds. International Scientific Conference “Kliment’s days”. Abstracts: 137.
19. Jankovska-Bortkevič E., Jurkonienė S., Gavelienė V., Sergiev I, **Jankauskienė J.**, Koryznienė D., Šimulevič T. 2018. Cold acclimation impact on oilseed rape plasma membrane H<sup>+</sup>-ATPase activity during increasing cold stress treatment. International Scientific Conference “Kliment’s days”. Abstracts: 130.
20. Jankovska-Bortkevič E., Jurkonienė S., Gavelienė V., Mockevičiūtė R., **Jankauskienė J.**, Todorova D., Sergiev I, Viluckas V., Prakas P. 2021. Effect of exogenous putrescine on winter oilseed rape response to low temperature, XII International Scientific Agriculture Symposium „Agrosym 2021“.
21. **Jankauskienė J.**, Jurkonienė S., Gavelienė V., Mockevičiūtė R., Jankovska-Bortkevič E., Todorova D., Sergiev I. 2021. Exogenously applied putrescine effects on endogenous hormone

- levels in kidney bean and pea under low temperature stress conditions, XII International Scientific Agriculture Symposium „Agrosym 2021“.
22. Jurkonienė S., Gavelienė S., Mockevičiūtė R., **Jankauskienė J.**, Jankovska-Bortkevič E., Šveikauskas V. 2021. Effects of probiotics on antioxidant potential of blackcurrant berries, XII International Scientific Agriculture Symposium „Agrosym 2021“.
  23. Buzytė, K., **Jankauskienė, J.**, Karosienė, J., Paškauskas, R. 2022. The Impact of Algae Biomass on the Growth and Development Process of Rapeseed Plant. International life sciences conference The COINS 2022“. Vilnius.
  24. Mockevičiūtė R., Jurkonienė S., Gavelienė V., Jankovska-Bortkevič E., **Jankauskienė J.** 2022. Effect of microbial biostimulants on growth, antioxidant activity and productivity of fruits and vegetables. CEMEPE AND SECOTOX CONFERENCE 2022.
  25. **Jankauskienė J.**, Jurkonienė S., Gavelienė V., Jankovska-Bortkevič E., Mockevičiūtė R. 2022. Microbial biostimulant counteracts herbicide Galera negative effects on rapeseed growth CEMEPE AND SECOTOX CONFERENCE 2022.
  26. Jankovska-Bortkevič E., Jurkonienė S., Gavelienė V., Mockevičiūtė R., Šveikauskas V., **Jankauskienė J.**, Todorova D., Prakas P. Effect of exogenous polyamines on winter wheat and oilseed rape cold stress response under field conditions, The 3rd International Conference on the Scientific Actualities and Innovations in Horticulture (SAIH2022).

#### *National scientific conferences:*

1. **Jankauskienė J.** Mėlynžiedžio svečio – gausialapio lubino *Lupinus polyphyllus* Lindl. invazyvumą lemiančių viduląstelių veiksmų paieška. Mokslinė konferencija Lietuvos mokslų akademijoje „Šiuolaikiniai biologijos tyrimai Lietuvoje“, 11<sup>th</sup> of November 2016. – Vilnius (Lithuania). Oral presentation.
2. **Jankauskienė J.** Augimo reguliatorių įtaka endogeninio fitohormono indolil-3-actono rūgšties būklei. Nacionalinė konferencija „Akademiko Alfonso Merkio indėlis į augalų fiziologijos mokslo plėtrą“, 15<sup>th</sup> of March 2017. – Vilnius (Lithuania). Oral presentation.
3. Jurkonienė S., Gavelienė V., **Jankauskienė J.** ir Jankovska-Bortkevič E. Biotechnologinės priemonės žiemkenčių atsparumui šalčiui, išgyvenamumui ir derliui optimizuoti. Nacionalinė konferencija „Augalų biologijos tyrimai augalininkystės proveržio kryptyse“, 10<sup>th</sup> of May 2017. – Babtai, Kaunas distric. (Lithuania). Co-author of oral presentation.
4. Pliūra A., Bajerkevičienė G., Suchockas V., Lygis V., **Jankauskienė J.**, Labokas J., Verbylaitė R. 2019. Septynių miško medžių rūšių atsakas į su klimato kaita susijusių veiksmų - šalnų, karščio, sausrų, padidinto intensyvumo UV spinduliuotės ir padidintų ozono bei anglies dvideginio koncentracijų kompleksinį poveikį jauname amžiuje. Mokslinės konferencijos „Agrariniai ir miškininkystės mokslai: naujausių tyrimų rezultatai ir inovatyvūs sprendimai“ pranešimai, Nr. 9: 45-48, Kaunas (Lithuania). Co-author of oral presentation.
5. Verbylaitė R., Pliūra A., Lygis V., Suchockas V., **Jankauskienė J.**, Labokas J. 2019. Genetinė įvairovė ir jos erdvinis pasiskirstymas savaime atsikuriant septynių pagrindinių medžių rūšių medynams. Mokslinės konferencijos „Agrariniai ir miškininkystės mokslai: naujausių tyrimų rezultatai ir inovatyvūs sprendimai“ pranešimai, Nr. 9: 52-54. Kaunas (Lithuania). Co-author of oral presentation.
6. **Jankauskienė J.** Probiotinių medžiagų naudojimo galimybės augalų augimo ir vystymosi procesams reguliuoti. 2022. Biologijos mokytojams skirta konferencija Lietuvos mokslų akademijoje „Aktualios 2022 metų biologijos ir medicinos mokslų naujienos“, 4<sup>th</sup> of November 2022 – Vilnius (Lithuania). Oral presentation.

## **PARTICIPATION IN THE DOCTORAL STUDY**

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### ***Participation in the dissertation defence council:***

#### *Natural Sciences (N000), Biologia (N010)*

Vilma Jeršovienė PhD thesis: „Žmogaus papilomos viruso paplitimas Lietuvoje tarp nevaisingumo problemų turinčių porų / Prevalence of human papillomavirus among couples with infertility problems in Lithuania“. 2020 m. Nature Research Centre

#### *Agricultural Sciences (A000) Agronomy (A001)*

Modupe Olufemi Doyeni PhD thesis: „Influence of digestate fertilization on greenhouse gas emissions, biomass productivity, soil quality and activity of soil microorganisms in agricultural cropping systems“. 2022 m. Lithuanian Research Centre for Agriculture and Forestry

## **PARTICIPATION IN THE STUDY PROCESS**

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2015 – 2018 Lecture course: „Plant anatomy and morphology“. Lithuania Educology university

2015 – 2018 Lecture course: „Plant physiology“. Lithuania Educology university

Since 2021 Lecture course: „Plant biotechnology“. Vilnius university

## **OTHERS**

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### ***Science popularization (articles, media etc):***

1. **Jankauskienė J.**, Jodinskienė M., Pakalniškytė L. 2014. Tartautinė konferencija Sofijoje: Augalų fiziologija ir genetika. Pasiekimai ir iššūkiai. *Mokslo Lietuva*, 17(527): 11.
2. **Jankauskienė J.**, Jurkonienė S. 2015. Gražioji Krokva sukviėtė augalų fiziologus iš viso pasaulio. *Mokslo Lietuva*, 17(549):10.
3. **Jankauskienė J.**, Butrimavičienė L., Poškienė B., Blažytė-Čereškienė L., Šneideris D., Aleknavičius D., Morudovas D. 2019. Edukacinė diena Gamtos tyrimų centre. *Mokslo Lietuva*, 10(631): 7-8.
4. Laboratory of Plant Physiology scientist dr. Jurga Jankauskienė's interview about the power of words for plants. <https://www.lrt.lt/mediateka/irasas/2000199739/eksperimentas-su-augalais-mokantis-vaikus-suprasti-zodziu-galia-teigiamos-frazes-mums-svarbios-ne-maziau-nei-oras>

### ***Membership in societies:***

1. Organization of Plant Physiologists.
2. Organization of Biochemists.
3. The Botanical Society of Japan.

### ***Fellowships:***

As a young scientist, PhD student, was granted fellowships from Lithuanian State Science and Studies Foundation for four (4) years (2006-2010).