

Ramunė Stanevičienė

CONTACT INFORMATION

Address Akademijos Str. 2, Vilnius LT-08412, Lithuania
Tel. no.: +370 5 272 90 82
E-mail: ramune.staneviciene@gamtc.lt
<https://www.researchgate.net/profile/Ramune-Staneviciene>
<https://www.linkedin.com/in/ramunė-stanevičienė-a87751237/>

EDUCATION AND ACADEMIC DEGREE

Since 2019 PhD student of Biology, Vytautas Magnus University, Nature Research Centre, Centre of Innovative Medicine
1997 – 1999 Master degree, Biology, Lithuanian University of Educational Sciences
1993 – 1997 Bachelor degree, Biology and geography, Lithuanian University of Educational Sciences

PROFESSIONAL EXPERIENCE

Since 2019 **PhD student of Biology**
Laboratory of Genetics, Nature Research Centre
Since 2014 **Junior Researcher**
Laboratory of Genetics, Nature Research Centre
2010 – 2014 **Junior Researcher**
Laboratory of Experimental Plant Ecology, Nature Research Centre
2003 – 2010 **Junior Researcher**
Gravitational Physiology Sector, Institute of Botany
2001 – 2003 **Assistant**
Gravitational Physiology Sector, Institute of Botany

RESEARCH INTERESTS

Diversity of prokaryotic and eukaryotic microorganisms in natural habitats, investigation of biocidal properties of microorganisms, yeast killer toxins, resistance-killing mechanisms, research on the effects of bioactive nanoparticles. Studies of the molecular mechanisms of yeasts and their biocidal systems common in the natural environment using modern methods of microbiology and molecular biology.

PUBLICATIONS

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

1. Mozūraitis R., Apšegaitė V., Radžiutė S., Aleknavičius D., Būdienė J., Stanevičienė R., Blažytė-Čereškienė L., Servienė E., Būda V. 2022. Volatiles of *Prunus avium* and *P. cerasus*

fruits related yeasts and infochemical interactions with *Rhagoletis cerasi* fruit flies. – *Journal of fungi*. 8 (2), 95

2. **Stanevičienė R.**, Lukša J., Strazdaitė-Žielienė Ž., Ravoitytė B., Losinska-Sičiūnienė R., Mozūraitis R., Servienė E. 2021. Mycobiota in the carposphere of sour and sweet cherries and antagonistic features of potential biocontrol yeasts. – *Microorganisms*. 9 (7), 1423.
3. Gruškienė R., Kavleiskaja T., **Stanevičienė R.**, Kikionis S., Ioannou E., Servienė E., Roussis V., Sereikaite J. 2021. Nisin-Loaded Ulvan Particles: Preparation and Characterization. – *Foods*. 10 (5), 1007.
4. Novickij V., **Stanevičienė R.**, Gruškienė R., Badokas K., Lukša J., Sereikaitė J., Mažeika K., Višniakov N., Novickij J., Servienė E. 2021. Inactivation of bacteria using bioactive nanoparticles and alternating magnetic fields. – *Nanomaterials*. 11 (2), 342.
5. Lukša J., Vepškaitė-Monstavičė I., Apšegaitė V., Blažytė-Čereškienė L., **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Ravoitytė B., Aleknavičius D., Būda V., Mozūraitis R., Servienė E. 2020. Fungal microbiota of sea buckthorn berries at two ripening stages and volatile profiling of potential biocontrol yeasts. – *Microorganisms*. 8 (3), 456.
6. Novickij V., **Stanevičienė R.**, Staigvila G., Gruškienė R., Sereikaitė J., Girkontaitė I., Novickij J., Servienė E. 2020. Effects of pulsed electric fields and mild thermal treatment on antimicrobial efficacy of nisin-loaded pectin nanoparticles for food preservation. – *LWT - Food Science and Technology*. 120, 1-7.
7. Mozūraitis R., Aleknavičius D., Vepškaitė-Monstavičė I., **Stanevičienė R.**, Emamic S.N., Apšegaitė V., Radžiutė S., Blažytė-Čereškienė L., Servienė E., Būda V. 2020. *Hippophae rhamnoides* berry related *Pichia kudriavzevii* yeast volatiles modify behaviour of *Rhagoletis batava* flies. – *Journal of Advanced Research*. 21, 71-77.
8. Novickij V., Zinkevičienė A., **Stanevičienė R.**, Gruškienė R., Servienė E., Vepškaitė-Monstavičė I., Krivorotova T., Lastauskienė E., Sereikaitė J., Girkontaitė I., Novickij J. 2018. Inactivation of *Escherichia coli* using nanosecond electric fields and nisin nanoparticles: a kinetics study. – *Frontiers in Microbiology*. 9, 3006.
9. Vepškaitė-Monstavičė I., Lukša J., Konovalovas A., Ežerskytė D., **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Serva S., Servienė E. 2018. *Saccharomyces paradoxus* K66 killer system evidences expanded assortment of helper and satellite viruses. – *Viruses*. 10(10), 564.
10. Gruškienė R., Krivorotova T., **Stanevičienė R.**, Ratautas D., Servienė E., Sereikaitė J. 2018. Preparation and characterization of iron oxide magnetic nanoparticles functionalized by nisin. – *Colloids and Surfaces B: Biointerfaces*. 169, 126-134.
11. Novickij V., **Stanevičienė R.**, Vepškaitė-Monstavičė I., Gruškienė R., Krivorotova T., Sereikaitė J., Novickij J., Servienė E. 2018. Overcoming antimicrobial resistance in bacteria using bioactive magnetic nanoparticles and pulsed electromagnetic fields. – *Frontiers in Microbiology*. 8, 2678.
12. Vepškaitė-Monstavičė I., Lukša J., **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Yurchenko V., Serva S., Servienė E. 2018. Distribution of apple and blackcurrant microbiota in Lithuania and the Czech Republic. – *Microbiological Research*. 206, 1-8.

13. Krivorotova T., **Stanevičienė R.**, Lukša J., Servienė E., Sereikaitė J. 2017. Impact of pectin esterification on the antimicrobial activity of nisin-loaded pectin particles. – *Biotechnology Progress*. 33(1), 245-251.
14. Krivorotova T., **Stanevičienė R.**, Lukša J., Servienė E., Sereikaitė J. 2016. Preparation and characterization of nisin-loaded pectin-inulin particles as antimicrobials. – *LWT - Food Science and Technology*. 72, 518-524.
15. Krivorotova T., Čirkovas A., Mačiulytė S., **Stanevičienė R.**, Budrienė S., Servienė E., Sereikaitė J. 2016. Nisin-loaded pectin nanoparticles for food preservation. – *Food Hydrocolloids*. 54, 49-56.
16. Novickij V., **Stanevičienė R.**, Grainys A., Lukša J., Badokas K., Krivorotova T., Sereikaitė J., Novickij J., Servienė E. 2016. Electroporation assisted inactivation of *Escherichia coli* using nisin-loaded pectin nanoparticles. – *Innovative Food Science & Emerging Technologies*. 38, 98-104.
17. Melvydas V., **Stanevičienė R.**, Balynaitė A., Vaičiūnienė J., Garjonytė R. 2016. Formation of self-organized periodic patterns around yeasts secreting a precursor of a red pigment. – *Microbiological Research*. 193, 87-93.

Reviewed scientific articles, published in Lithuania:

1. Losinska-Sičiūnienė R., **Stanevičienė R.**, Švegždienė D. 2020. Effects of UVA and its simultaneous action with blue light on the growth and phototropism of cress leaves under various gravity conditions. – *Biologija*, 66(2): 103-113. ISSN 2029-0578.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- | | |
|-------------|---|
| 2022 – 2025 | NRC project coordinator. Research Council of Lithuania Project “New antimicrobials for healthy and safety food” registr. Nr. S-MIP-22-7. |
| 2018 – 2021 | Project participant. Research Council of Lithuania project, implementing World-class R&D Projects, „The role of metabolites in three-trophic interactions between plant, microorganisms and phytophagous insects“, registr. Nr. DOTSUT-12 (09.3.3-LMT-K-712-01-0099) |
| 2015 – 2018 | Project participant. National scientific research program „Sustainability of agro-, forest and water ecosystems“ project "Agroecosystems microbiota under climate change: structure and concordance mechanisms“, registr. Nr. SIT-7/2015 |
| 2014 – 2015 | Project participant. National scientific research program „Healthy and safe food“ project „Investigation of encapsulation of bacteriocins as preservatives“, registr. Nr. SVE-03/2014 |

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Vepškaitė-Monstavičė I., **Stanevičienė R.**, Lukša J., Ravoitytė B., Strazdaitė-Žielienė Ž., Servienė E. 2022. High content analysis of sea buckthorn and cherries-associated mycobiota. – *Lithuanian biochemical society 2022 mini-conference: biochemistry in the big data age*, September 30, Vilnius, Lithuania. Book of Abstracts: 35.
2. **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Ravoitytė B., Antanaitytė E., Losinska-Sičiūnienė R., Servienė E. Antagonistic traits of yeasts isolated from the surface of sour and sweet cherries. – *FEBS3+ conference of Latvian, Lithuanian and Estonian Biochemical societies*, June 15-17, Tallinn, Estonia. Book of Abstracts: 140-141.
3. Navickaitė M., **Stanevičienė R.**, Lukša J., Servienė E., Sereikaitė J. 2022. Purification and the identification of physical and chemical properties of *Saccharomyces cerevisiae* K2 toxin. – *65th International Conference for Students of Physics and Natural Sciences Open Readings 2022*, March 15-18, Vilnius, Lithuania. Book of Abstracts: 93.
4. **Stanevičienė R.**, Lukša J., Strazdaitė-Žielienė Ž., Ravoitytė B., Losinska-Sičiūnienė R., Servienė E. 2022. High content analysis of cherries-associated mycobiota. – *International conference of Lithuanian Society for Microbiology “Microbiology 2022”*, April 28-29, Birštonas, Lithuania. Book of Abstracts: 68.
5. Šimelytė K., Rastėnienė A., **Stanevičienė R.**, Servienė E., Sereikaitė J. 2021. Screening of purification methods for antimicrobial peptide from *Pediococcus acidilactici* JEM-1. – *64th International Conference for Students of Physics and Natural Sciences Open Readings 2021*, March 16-19, Vilnius, Lithuania. Book of Abstracts: 455.
6. **Stanevičienė R.**, Novickij V., Gruškienė R., Sereikaitė J., Servienė E. 2020. Effects of pulsed electric fields and mild thermal treatment on antimicrobial efficacy of nisin-loaded pectin nanoparticles. – *FEMS Online Conference on Microbiology 2020*, October 28-31, Belgrade, Serbia. Book of Abstracts: 175.
7. Servienė E., Lukša J., Vepškaitė-Monstavičė I., Apšegaitė V., Blažytė-Čereškienė L., **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Ravoitytė B., Aleknavičius D., Būda V., Mozūraitis R. 2020. Fungal microbiota of sea buckthorn berries at two ripening stages and volatile profiling of potential biocontrol yeasts. – *FEMS Online Conference on Microbiology 2020*, October 28-31, Belgrade, Serbia. Book of Abstracts: 381.
8. Rastėnienė A., Šimelytė K., Kisieliūtė M., Gruškienė R., **Stanevičienė R.**, Servienė E., Sereikaitė J. 2020. The characteristics of an antimicrobial peptide from *Pediococcus acidilactici* JEM-1. – *63rd International Conference for Students of Physics and Natural Sciences Open Readings 2020*, March 17-20, Vilnius, Lithuania. Book of Abstracts: 446.
9. Bartkus M. R., Ravoitytė B., **Stanevičienė R.**, Servienė E. 2020. The interface between chronological aging and killer maintenance in *Saccharomyces* yeasts. – *63rd International Conference for Students of Physics and Natural Sciences Open Readings 2020*, March 17-20, Vilnius, Lithuania. Book of Abstracts: 535.
10. Servienė E., Lukša J., **Stanevičienė R.**, Ravoitytė B., Strazdaitė-Žielienė Ž. 2020. High content analysis of fruit and berry fungal microbiota. – *EuroMicropH 1st Open Meeting 2020*, February 12-14, Lisbon, Portugal. Book of Abstracts: 56.
11. Bočkuvienė A., Juravičius L., **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Serva S., Servienė E. 2019. Chitooligosaccharide and its derivatives: synthesis, investigation and determination of antibacterial activity. – *Baltic polymer symposium 2019*, September 18-20, Vilnius, Lithuania. Book of Abstracts: 95.
12. Ravoitytė B., **Stanevičienė R.**, Vepškaitė-Monstavičė I., Sederevičiūtė A., Lukša J., Strazdaitė-Žielienė Ž., Servienė E. 2019. Effects of temperature and pH on *Saccharomyces paradoxus* killer yeasts. – *XXIX International Conference on Yeast Genetics and Molecular Biology*, August 18-22, Gothenburg, Sweden. Book of Abstracts: 378.
13. **Stanevičienė R.**, Lukša J., Vepškaitė-Monstavičė I., Strazdaitė-Žielienė Ž., Servienė E.

2019. Yeasts-commensals in the sea buckthorn ecosystem. – *8th Congress of European Microbiologists FEMS 2019*, July 7-11, Glasgow, Scotland. Book of Abstracts: 1446.
14. Lukša J., Vepškaitė-Monstavičė I., **Stanevičienė R.**, Strazdaitė-Žiėlienė Ž., Serva S., Servienė E. 2019. High content analysis of microbiota on medicinal properties possessing berries. – *8th Congress of European Microbiologists FEMS 2019*, July 7-11, Glasgow, Scotland. Book of Abstracts: 1445.
 15. Servienė E., **Stanevičienė R.**, Vepškaitė-Monstavičė I., Lukša J., Strazdaitė-Žiėlienė Ž., Apšegaitė V., Butkienė R., Aleknavičius D., Blažytė-Čereškienė L., Būda V., Mozūraitis R. 2019. Sea buckthorn berry-related yeasts and their volatiles. – *FEBS3+ conference of Latvian, Lithuanian and Estonian Biochemical societies*, June 17-19, Riga, Latvia. Book of Abstracts: 107-108.
 16. Babonaitė M., Novickij V., **Stanevičienė R.**, Sereikaitė J., Gruškienė R., Servienė E., Lukša J. 2019. Modulation of efficiency of nanostructured nisin. – *62nd International Conference for Students of Physics and Natural Sciences Open Readings 2019*, March 19-22, Vilnius, Lithuania. Book of Abstracts: 249.
 17. Vepškaitė-Monstavičė I., Lukša J., **Stanevičienė R.**, Strazdaitė-Žiėlienė Ž., Yurchenko V., Serva S., Servienė E. 2018. Metataxonomic analysis of berries-associated microorganisms. – *EMBO conference "Experimental Approaches to Evolution and Ecology using Yeast and other Model Systems"*, October 17-20, Heidelberg, Germany. Book of Abstracts: 133.
 18. Aleknavičius D., Apšegaitė V., Vepškaitė-Monstavičė I., **Stanevičienė R.**, Servienė E., Būda V. 2018. Fruit flies *Rhagoletis batava* perceive odours emitted by yeasts from berries of their host plant. – *34th International Annual Meeting on Society of Chemical Ecology*, August 12-18, Budapest, Hungary. Book of Abstracts: 45.
 19. Vepškaitė-Monstavičė I., Lukša J., **Stanevičienė R.**, Strazdaitė-Žiėlienė Ž., Yurchenko V., Serva S., Servienė E. 2018. Metataxonomic analysis of berries-associated microorganisms. – *XVth International Conference of The Lithuanian Biochemical Society*, June 26-29, Dubingiai, Lithuania. Book of Abstracts: 70-71.
 20. Kisieliūtė M., **Stanevičienė R.**, Gruškienė R., Vepškaitė-Monstavičė I., Servienė E., Sereikaitė J. 2018. Antimicrobial peptide from *Pediococcus acidilactici* JEM-1. – *XVth International Conference of The Lithuanian Biochemical Society*, June 26-29, Dubingiai, Lithuania. Book of Abstracts: 25-26.
 21. Novickij V., **Stanevičienė R.**, Vepškaitė-Monstavičė I., Babonaitė M., Gruškienė R., Krivorotova T., Sereikaitė J., Novickij J., Servienė E. 2018. Overcoming antimicrobial resistance in bacteria using bioactive magnetic nanoparticles, high pulsed electric and electromagnetic fields. – *XVth International Conference of The Lithuanian Biochemical Society*, June 26-29, Dubingiai, Lithuania. Book of Abstracts: 45.
 22. Gruškienė R., Krivorotova T., **Stanevičienė R.**, Ratautas D., Servienė E., Sereikaitė J. 2017. Nisin-loaded magnetic nanoparticles. – *6th Central European Congress of Life Sciences Eurobiotech*, September 11-14, Krakow, Poland. Book of Abstracts: 166.
 23. Vepškaitė-Monstavičė I., **Stanevičienė R.**, Lukša J., Strazdaitė-Žiėlienė Ž., Servienė E. 2017. Yeast communities on fruits and berries of Lithuania. – *28th International Conference on Yeast Genetics and Molecular Biology (ICYGMB)*, August 27-September 1, Prague, Czech Republic. Book of Abstracts: 307-308.
 24. Konovalovas A., Aitmanaitė L., Vepškaitė-Monstavičė I., **Stanevičienė R.**, Servienė E., Serva S. 2017. New double-stranded RNA viruses from *Saccharomyces sensu stricto*. – *28th International Conference on Yeast Genetics and Molecular Biology (ICYGMB)*, August 27-September 1, Prague, Czech Republic. Book of Abstracts: 309-310.
 25. Vepškaitė-Monstavičė I., **Stanevičienė R.**, Lukša J., Strazdaitė-Žiėlienė Ž., Naumovas D., Žilakauskis A., Cimalova S., Servienė E. 2016. The impact of biogeography on diversity of yeast and killer viruses. – *EMBO conference "Experimental Approaches to Evolution and Ecology using Yeast and other Model Systems"*, October 19-23, Heidelberg, Germany. Book of Abstracts: 124.

26. Servienė E., Lukša J., Vepškaitė-Monstavičė I., **Stanevičienė R.**, Urbonavičius J., Serva S. 2016. Importance of external and cellular environment for the functioning of yeast killer toxins. – *EMBO conference "Experimental Approaches to Evolution and Ecology using Yeast and other Model Systems"*, October 19-23, Heidelberg, Germany. Book of Abstracts: 113.
27. Vepškaitė-Monstavičė I., Lukša J., **Stanevičienė R.**, Urbonavičius J., Servienė E. 2016. *Saccharomyces cerevisiae* genome database non-annotated gene products are potential modulators of K2 toxin action. – *7th EMBO meeting*, September 10-13, Mannheim, Germany. Book of Abstract: 204.
28. Lukša J., Vepškaitė-Monstavičė I., **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Žilakauskis A., Konovalovas A., Serva S., Servienė E. 2016. Persistence of killer viruses in the natural environment. – *7th EMBO meeting*, September 10-13, Mannheim, Germany. Book of Abstract: 182.
29. **Stanevičienė R.**, Lukša J., Krivorotova T., Čirkovas A., Servienė E., Sereikaitė J. 2015. Antimicrobial activity of nisin-loaded pectin nanoparticles. – *VI International Conference on Environmental, Industrial and Applied Microbiology - BioMicroWorld2015*, October 28-30, Barcelona, Spain. Book of Abstracts: 319.
30. Krivorotova T., Čirkovas A., Mačiulytė S., **Stanevičienė R.**, Budrienė S., Servienė E., Sereikaitė J. 2015. Nisin-pectin nanoparticles supplemented with inulin for food preservation. – *EuroFoodChem XVIII. Upcoming Challenges in Food Science*, October 13-16, Madrid, Spain. Book of Abstracts: 287.
31. Krivorotova T., **Stanevičienė R.**, Lukša J., Čirkovas A., Mačiulytė S., Budrienė S., Servienė E., Sereikaitė J. 2015. Impact of pectin esterification on the antimicrobial activity of nisin-loaded pectin nanoparticles. – *Baltic Polymer Symposium*, September 16-18, Sigulda, Latvia. Book of Abstracts: 101.
32. Servienė E., Lukša J., Vepškaitė I., **Stanevičienė R.**, Strazdaitė-Žielienė Ž. 2015. Non-annotated genetic factors associated with cell wall-related processes, important in K2 susceptibility. – *27th International Conference on Yeast Genetics and Molecular Biology*, September 6-12, Levico Terme (Trento), Italy. *Yeast*, 32: S241.

National scientific conferences:

1. Vepškaitė-Monstavičė I., Lukša J., **Stanevičienė R.**, Strazdaitė-Žielienė Ž., Žilakauskis A., Naumov D., Yurchenko V., Serva S., Servienė E. 2017. Biogeografijos įtaka obuolių ir juoduju serbentų mikrobiotai. – *10th Youngest Scientists Conference „Bioateitis: gamtos ir gyvybės mokslų perspektyvos“*, December 7, Vilnius, Lithuania. Book of Abstracts: 4.

PARTICIPATION IN THE STUDY PROCESS

Supervision of bachelor and master students:

Vilnius University: Bachelors in Genetics (1).

Vilnius Gediminas Technical University: Bachelor (3), Masters (2) in Bioengineering.