

Jurgita Švedienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2005 – 2012 Doctoral degree in the field of Biomedical Sciences Biology (01 B, microbiology, bacteriology, virology, mycology – B 230) (Vilnius University and Nature Research Center).
Dissertation topic: "Prevalence of *Candida* Berkhout yeasts, biological characteristics and the search for preventive measures against them", supervisor - dr. A. Paškevičius, habil dr. R. Varnaite.
Field of research: mycology, microbiology, *Candida*, fungicidal agents.
Vilnius Pedagogical University, Biology, Master.

2001-2003 Master thesis topic: "Reaction of micromycetes to dyes and resistance to fungicides".
The work was carried out at Vilnius Pedagogical University.

1997-2001 Field of research: mycology, microbiology, microscopic fungi.
Vilnius Pedagogical University, Biology/Bachelor.
Work theme: "The reaction of micromycetes to the effects of dyes".
The work was carried out at Vilnius Pedagogical University, Department of Botany.
Field of research: mycology, microbiology, microscopic fungi.

PROFESSIONAL EXPERIENCE

2018 – until now **Senior research**
Laboratory of Biodeterioration Research, Nature Research Centre

2013 – 2018 **Research**
Laboratory of Biodeterioration Research, Nature Research Centre

2011 – 2013 **Biologist**
(from 2010 01 01 – Institute of Botany, Nature Research Centre)

2005 02 – 2005 09 **Laboratory assistant**
Laboratory of Biodeterioration Research, Institute of Botany

2003 09 – 2005 01 **Biology teacher**
Turmantas basic school

2002 09 – 2003 08 **Biology teacher**
Vilniaus Simono Daukanto secondary school

2002 02– 2002 06 **Biology teacher**
Nemėžio secondary school

RESEARCH INTERESTS

Field of research: *Candida* fungi, their biological characteristics, distribution in natural and anthropogenic substrates. Identification of *Candida* fungi by applying microscopic, biochemical and molecular analysis; DNA isolation from microscopic fungi; Application of PCR methods; sequencing, search for rational means of combating pathogenic and conditionally pathogenic fungi

of the genus *Candida*: search for chemical and biological control measures and *in vivo* and *in vitro* studies.

PUBLICATIONS

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

1. Bridžiuvienė, Danguolė; Raudonienė, Vita; **Švedienė, Jurgita**; Paškevičius, Algimantas; Baužienė, Ieva; Vaitonis, Gintautas; Šlepetienė, Alvyra; Šlepetys, Jonas; Kačergius, Audrius. Impact of soil chemical properties on the growth promotion ability of *Trichoderma ghanense*, *T. tomentosum* and their complex on rye in different land-use systems // Journal of fungi. Basel: MDPI. eISSN 2309-608X. 2022, vol. 8, iss. 1, art. no. 85, p. 1-18. DOI: 10.3390/jof8010085. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 5,724; AIF: 5,254; IF/AIF: 1,089; Q1 (2021, InCites JCR SCIE)] [CiteScore: 4,10; SNIP: 1,600; SJR: 0,980; Q1 (2021, Scopus Sources)] [M.kr.: A 001, N 010] [Indėlis: 0,111].
2. **Švedienė, Jurgita**; Novickij, Vitalij; Žalneravičius, Rokas; Raudonienė, Vita; Markovskaja, Svetlana; Novickij, Jurij; Paškevičius, Algimantas. Antimicrobial activity of L-lysine and poly-L-lysine with pulsed electric fields // Applied science. Basel: MDPI AG. ISSN 2076-3417. eISSN 2076-3417. 2021, vol. 11, iss. 6, art. no. 2708, p. 1-12. DOI: 10.3390/app11062708. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 2,838; AIF: 5,795; IF/AIF: 0,489; Q2 (2021, InCites JCR SCIE)] [CiteScore: 3,70; SNIP: 1,026; SJR: 0,507; Q2 (2021, Scopus Sources)] [M.kr.: N 010, N 003, T 001] [Indėlis: 0,148].
3. Vaičiulytė, Vaida; Ložienė, Kristina; **Švedienė, Jurgita**; Raudonienė, Vita; Paškevičius, Algimantas. alpha-terpinyl acetate: Occurrence in essential oils bearing *Thymus pulegioides*, phytotoxicity, and antimicrobial effects // Molecules. Basel: MDPI. eISSN 1420-3049. 2021, vol. 26, iss. 4, art. no. 1065, p. [1-16]. DOI: 10.3390/molecules26041065. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 4,927; AIF: 6,979; IF/AIF: 0,705; Q2 (2021, InCites JCR SCIE)] [CiteScore: 5,90; SNIP: 1,267; SJR: 0,705; Q2 (2021, Scopus Sources)] [M.kr.: N 010] [Indėlis: 0,200].
4. Ložienė, Kristina; Labokas, Juozas; Vaičiulytė, Vaida; **Švedienė, Jurgita**; Raudonienė, Vita; Paškevičius, Algimantas; Šveistytė, Laima; Apšegaitė, Violeta. Chemical composition and antimicrobial activity of fruit essential oils of *Myrica gale*, a neglected non-wood forest product // Baltic forestry. Girionys (Kauno raj.): Lithuanian Forest Research Institute. ISSN 1392-1355. eISSN 2029-9230. 2020, vol. 26, iss. 1, art. no. 423, p. 1-8. DOI: 10.46490/BF423. [Science Citation Index Expanded (Web of Science); Scopus; Zoological Record] [IF: 0,732; AIF: 2,577; IF/AIF: 0,284; Q4 (2020, InCites JCR SCIE)] [CiteScore: 2,40; SNIP: 0,610; SJR: 0,351; Q2 (2020, Scopus Sources)] [M.kr.: N 010] [Indėlis: 0,125].
5. Melvydas, Vytautas Boleslovas; **Švedienė, Jurgita**; Skridlaitė, Gražina; Vaičiūnienė, Jūratė; Garjonytė, Rasa. In vitro inhibition of *Saccharomyces cerevisiae* growth by *Metschnikowia* spp. triggered by fast removal of iron via two ways // Brazilian journal of microbiology. New York: Springer. ISSN 1517-8382. eISSN 1678-4405. 2020, vol. 51, iss. 4, p. 1953-1964. DOI: 10.1007/s42770-020-00357-3. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 2,476; AIF: 5,079; IF/AIF: 0,487; Q4 (2020, InCites JCR SCIE)] [CiteScore: 3,90; SNIP: 1,114; SJR: 0,643; Q3 (2020, Scopus Sources)] [M.kr.: N 010, N 003] [Indėlis: 0,200].
6. Judžentienė, Asta; Būdienė, Jurga; **Švedienė, Jurgita**; Garjonytė, Rasa. Toxic, radical scavenging, and antifungal activity of *Rhododendron tomentosum* H. essential oils // Molecules. Basel: MDPI AG. eISSN 1420-3049. 2020, vol. 25, iss. 7, art. no. 1676, p. 1-17. DOI: 10.3390/molecules25071676. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 4,412; AIF: 6,393; IF/AIF: 0,690; Q2 (2020, InCites JCR SCIE)] [CiteScore:

- 4,70; SNIP: 1,249; SJR: 0,782; Q2 (2020, Scopus Sources)] [M.kr.: N 003, N 010] [Indėlis: 0,250].
7. Paškevičius, Algimantas; Švedienė, Jurgita; Kiverytė, Silvija; Bridžiuvienė, Danguolė; Vaitonis, Gintautas; Jablonskienė, Valerija. *Candida* distribution in onychomycosis and *in vitro* susceptibility to antifungal agents // *Acta dermatovenerologica Croatica*. Zagreb: Croation Dermatovenerological Society. ISSN 1330-027X. eISSN 1847-6538. 2020, vol. 28, iss. 4, p. 204-209. [Science Citation Index Expanded (Web of Science); Scopus; MEDLINE] [IF: 1,256; AIF: 3,775; IF/AIF: 0,332; Q4 (2020, InCites JCR SCIE)] [CiteScore: 1,10; SNIP: 0,711; SJR: 0,301; Q3 (2020, Scopus Sources)] [M.kr.: N 010, M 001] [Indėlis: 0,166].
 8. Jefanova, Olga; Baužienė, Ieva; Lujanienė, Galina; Švedienė, Jurgita; Raudonienė, Vita; Bridžiuvienė, Danguolė; Paškevičius, Algimantas; Levinskaitė, Loreta; Žvirgždąs, Jonas; Petrošius, Rimantas; Skuratovič, Žana; Mažeika, Jonas. Initiation of radioecological monitoring of forest soils and plants at the Lithuanian border region before the start of the Belarusian nuclear power plant operation // *Environmental monitoring and assessment*. Dordrecht: Springer. ISSN 0167-6369. eISSN 1573-2959. 2020, vol. 192, iss. 10, art. no. 666, p. 1-18. DOI: 10.1007/s10661-020-08638-y. [Science Citation Index Expanded (Web of Science); Scopus; GEOBASE] [IF: 2,513; AIF: 5,201; IF/AIF: 0,483; Q3 (2020, InCites JCR SCIE)] [CiteScore: 3,60; SNIP: 0,963; SJR: 0,590; Q2 (2020, Scopus Sources)] [M.kr.: N 005, N 002] [Indėlis: 0,083].
 9. Lastauskienė, Eglė; Novickij, Vitalij; Zinkevičienė, Auksė; Girkontaitė, Irutė; Paškevičius, Algimantas; Švedienė, Jurgita; Markovskaja, Svetlana; Novickij, Jurij. Application of pulsed electric fields for the elimination of highly drug-resistant *Candida* grown under modelled microgravity conditions // *International journal of astrobiology*. New York: Cambridge University Press. ISSN 1473-5504. eISSN 1475-3006. 2019, vol. 18, no. 5, p. 405-411. DOI: 10.1017/S1473550418000332. [Science Citation Index Expanded (Web of Science); Scopus; PubMed] [IF: 2,065; AIF: 3,759; IF/AIF: 0,549; Q2 (2019, InCites JCR SCIE)] [CiteScore: 3,20; SNIP: 0,867; SJR: 0,527; Q2 (2019, Scopus Sources)] [M.kr.: N 013, N 011, T 001, N 010] [Indėlis: 0,125].
 10. Novickij, Vitalij; Lastauskienė, Eglė; Staigvila, Gediminas; Girkontaitė, Irutė; Zinkevičienė, Auksė; Švedienė, Jurgita; Paškevičius, Algimantas; Markovskaja, Svetlana; Novickij, Jurij. Low concentrations of acetic and formic acids enhance the inactivation of *Staphylococcus aureus* and *Pseudomonas aeruginosa* with pulsed electric fields // *BMC Microbiology*. London: BioMed Central Ltd part of Springer Nature. ISSN 1471-2180. 2019, vol. 19, art. no. 73, p. 1-7. DOI: 10.1186/s12866-019-1447-1. [Science Citation Index Expanded (Web of Science); Scopus; Zetoc] [IF: 2,989; AIF: 4,230; IF/AIF: 0,706; Q2 (2019, InCites JCR SCIE)] [CiteScore: 5,00; SNIP: 1,056; SJR: 1,154; Q1 (2019, Scopus Sources)] [M.kr.: N 013, N 011, N 010, T 001] [Indėlis: 0,111].
 11. Novickij, Vitalij; Staigvila, Gediminas; Gudiukaitė, Renata; Zinkevičienė, Auksė; Girkontaitė, Irutė; Paškevičius, Algimantas; Švedienė, Jurgita; Markovskaja, Svetlana; Novickij, Jurij; Lastauskienė, Eglė. Nanosecond duration pulsed electric field together with formic acid triggers caspase-dependent apoptosis in pathogenic yeasts // *Bioelectrochemistry*. Lausanne: Elsevier Science. ISSN 1567-5394. eISSN 1878-562X. 2019, vol. 128, p. 148-154. DOI: 10.1016/j.bioelechem.2019.04.007. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 4,722; AIF: 4,391; IF/AIF: 1,075; Q1 (2019, InCites JCR SCIE)] [CiteScore: 6,50; SNIP: 1,214; SJR: 0,840; Q1 (2019, Scopus Sources)] [M.kr.: N 013, T 001, N 010] [Indėlis: 0,100].
 12. Valeika, Virgilijus; Širvaitytė, Justa; Bridžiuvienė, Danguolė; Švedienė, Jurgita. An application of advanced hair-save processes in leather industry as the reason of formation of keratinous waste: few peculiarities of its utilisation // *Environmental science and pollution research*. Berlin: Springer. ISSN 0944-1344. eISSN 1614-7499. 2019, vol. 26, iss. 6, p. 6223-6233. DOI: 10.1007/s11356-019-04142-0. [Science Citation Index Expanded (Web of

- Science); Scopus; MEDLINE] [IF: 3,056; AIF: 4,313; IF/AIF: 0,708; Q2 (2019, InCites JCR SCIE)] [CiteScore: 4,90; SNIP: 1,008; SJR: 0,788; Q1 (2019, Scopus Sources)] [M.kr.: N 010, T 005] [Indėlis: 0,200].
13. Novickij, Vitalij; Zinkevičienė, Auksė; Valiulis, Justinas; **Švedienė, Jurgita**; Paškevičius, Algimantas; Lastauskienė, Eglė; Markovskaja, Svetlana; Novickij, Jurij; Girkontaitė, Irutė. Different permeabilization patterns of splenocytes and thymocytes to combination of pulsed electric and magnetic field treatments // *Bioelectrochemistry*. Amsterdam: Elsevier B.V. ISSN 1567-5394. eISSN 1878-562X. 2018, Vol. 122, p. 183-190. DOI: 10.1016/j.bioelechem.2018.04.006. [Science Citation Index Expanded (Web of Science); Scopus; Embase] [IF: 4,474; AIF: 3,957; IF/AIF: 1,130; Q1 (2018, InCites JCR SCIE)] [CiteScore: 4,37; SNIP: 1,162; SJR: 0,927; Q1 (2018, Scopus Sources)] [M.kr.: T 001, N 010, N 011] [Indėlis: 0,111].
 14. Novickij, Vitalij; **Švedienė, Jurgita**; Paškevičius, Algimantas; Markovskaja, Svetlana; Lastauskienė, Eglė; Zinkevičienė, Auksė; Girkontaitė, Irutė; Novickij, Jurij. Induction of different sensitization patterns of MRSA to antibiotics using electroporation // *Molecules*. Basel, Switzerland: MDPI. ISSN 1420-3049. eISSN 1420-3049. 2018, vol. 23, iss. 7, art. no. 1799, p. 1-10. DOI: 10.3390/molecules23071799. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 3,060; AIF: 5,147; IF/AIF: 0,594; Q2 (2018, InCites JCR SCIE)] [CiteScore: 3,28; SNIP: 1,222; SJR: 0,757; Q1 (2018, Scopus Sources)] [M.kr.: N 011, T 001, N 010] [Indėlis: 0,125].
 15. Ložienė, Kristina; **Švedienė, Jurgita**; Paškevičius, Algimantas; Raudonienė, Vita; Sytar, Oksana; Kosyan, Anatolij. Influence of plant origin natural α -pinene with different enantiomeric composition on bacteria, yeasts and fungi // *Fitoterapia*. Amsterdam: Elsevier. ISSN 0367-326X. eISSN 0367-326X. 2018, vol. 127, p. 20-24. DOI: 10.1016/J.FITOTE.2018.04.013. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 2,431; AIF: 3,120; IF/AIF: 0,779; Q3 (2018, InCites JCR SCIE)] [CiteScore: 3,03; SNIP: 1,383; SJR: 0,767; Q2 (2018, Scopus Sources)] [M.kr.: N 003, M 003] [Indėlis: 0,166].
 16. Novickij, Vitalij; Lastauskienė, Eglė; **Švedienė, Jurgita**; Grainys, Audrius; Staigvila, Gediminas; Paškevičius, Algimantas; Girkontaitė, Irutė; Zinkevičienė, Auksė; Markovskaja, Svetlana; Novickij, Jurij. Membrane permeabilization of pathogenic yeast in alternating sub-microsecond electromagnetic fields in combination with conventional electroporation // *Journal of membrane biology*. New York: Springer. ISSN 0022-2631. eISSN 1432-1424. 2018, vol. 251, iss. 2, p. 189-195. DOI: 10.1007/s00232-017-9951-4. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 1,746; AIF: 4,510; IF/AIF: 0,387; Q3 (2018, InCites JCR SCIE)] [CiteScore: 1,72; SNIP: 0,618; SJR: 0,593; Q3 (2018, Scopus Sources)] [M.kr.: T 001, N 010] [Indėlis: 0,100].
 17. Novickij, Vitalij; Zinkevičienė, Auksė; Perminaitė, Emilija; Čėsna, Robertas; Lastauskienė, Eglė; Paškevičius, Algimantas; **Švedienė, Jurgita**; Markovskaja, Svetlana; Novickij, Jurij; Girkontaitė, Irutė. Non-invasive nanosecond electroporation for biocontrol of surface infections: an in vivo study // *Scientific reports*. London: Nature Publishing Group. eISSN 2045-2322. 2018, vol. 8, art. no. 14516, p. 1-9. DOI: 10.1038/s41598-018-32783-7. [Science Citation Index Expanded (Web of Science); Scopus; Zoological Record] [IF: 4,011; AIF: 5,145; IF/AIF: 0,779; Q1 (2018, InCites JCR SCIE)] [CiteScore: 4,29; SNIP: 1,280; SJR: 1,414; Q1 (2018, Scopus Sources)] [M.kr.: M 001, N 011, T 001, N 010] [Indėlis: 0,100].
 18. Novickij, Vitalij; **Švedienė, Jurgita**; Paškevičius, Algimantas; Markovskaja, Svetlana; Girkontaitė, Irutė; Zinkevičienė, Auksė; Lastauskienė, Eglė; Novickij, Jurij. Pulsed electric field-assisted sensitization of multidrug-resistant *Candida albicans* to antifungal drugs // *Future microbiology*. London: Future Medicine Ltd. ISSN 1746-0913. eISSN 1746-0921. 2018, Vol. 13, iss. 5, p. 535-546. DOI: 10.2217/fmb-2017-0245. [Science Citation Index Expanded (Web of Science); Scopus; Embase] [IF: 2,746; AIF: 4,068; IF/AIF: 0,675; Q3

- (2018, InCites JCR SCIE)] [CiteScore: 2,55; SNIP: 0,864; SJR: 1,065; Q2 (2018, Scopus Sources)] [M.kr.: N 011, T 001, N 010] [Indėlis: 0,125].
19. Novickij, Vitalij; Švedienė, Jurgita; Paškevičius, Algimantas; Novickij, Jurij. *In vitro* evaluation of nanosecond electroporation against *Trichophyton rubrum* with or without antifungal drugs and terpenes // *Mycoscience*. Amsterdam: Elsevier B.V. ISSN 1340-3540. eISSN 1618-2545. 2017, Vol. 58, iss. 4, p. 261-266. DOI: 10.1016/j.myc.2017.03.002. [Science Citation Index Expanded (Web of Science); Scopus; Zoological Record] [IF: 1,229; AIF: 2,556; IF/AIF: 0,480; Q4 (2017, InCites JCR SCIE)] [CiteScore: 1,23; SNIP: 0,791; SJR: 0,804; Q2 (2017, Scopus Sources)] [M.kr.: T 001, N 010, N 011] [Indėlis: 0,250].
 20. Novickij, Vitalij; Girkontaitė, Irutė; Zinkevičienė, Auksė; Švedienė, Jurgita; Lastauskienė, Eglė; Paškevičius, Algimantas; Markovskaja, Svetlana; Novickij, Jurij. Reversible permeabilization of cancer cells by high sub-microsecond magnetic field // *IEEE transactions on magnetics*. New Jersey: IEEE Magnetics Society. ISSN 0018-9464. eISSN 1941-0069. 2017, vol. 53, iss. 11, p. 1-4. DOI: 10.1109/TMAG.2017.2719699. [Conference Proceedings Citation Index - Science (Web of Science); Science Citation Index Expanded (Web of Science); Scopus] [IF: 1,467; AIF: 3,304; IF/AIF: 0,444; Q3 (2017, InCites JCR SCIE)] [CiteScore: 1,82; SNIP: 1,068; SJR: 0,488; Q2 (2017, Scopus Sources)] [M.kr.: N 010, N 011, T 001] [Indėlis: 0,125].
 21. Baltrėnas, Pranas; Baltrėnaitė, Edita; Kleiza, Jonas; Švedienė, Jurgita. A biochar-based medium in the biofiltration system: removal efficiency, microorganism propagation and the medium penetration modelling // *Journal of the air & waste management association*. Philadelphia: Taylor & Francis Inc. ISSN 1096-2247. eISSN 2162-2906. 2016, vol. 66, iss. 7, p. 673-686. DOI: 10.1080/10962247.2016.1162227. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 1,570; AIF: 3,676; IF/AIF: 0,427; Q3 (2016, InCites JCR SCIE)] [CiteScore: 1,73; SNIP: 0,830; SJR: 0,677; Q2 (2016, Scopus Sources)] [M.kr.: T 004] [Indėlis: 0,250].
 22. Novickij, Vitalij; Girkontaitė, Irutė; Grainys, Audrius; Zinkevičienė, Auksė; Lastauskienė, Eglė; Švedienė, Jurgita; Paškevičius, Algimantas; Markovskaja, Svetlana; Novickij, Jurij. Measurement of transient permeability of Sp2/0 myeloma cells: flow cytometric study // *Measurement science review*. Warsaw: De Gruyter Open Ltd. ISSN 1335-8871. 2016, vol. 16, no. 6, p. 300-304. DOI: 10.1515/msr-2016-0038. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 1,344; AIF: 2,466; IF/AIF: 0,545; Q3 (2016, InCites JCR SCIE)] [CiteScore: 1,88; SNIP: 1,417; SJR: 0,472; Q1 (2016, Scopus Sources)] [M.kr.: T 001, N 010, N 011] [Indėlis: 0,111].
 23. Sytar, Oksana; Švedienė, Jurgita; Ložienė, Kristina; Paškevičius, Algimantas; Kosyan, Anatolij; Taran, Natalija. Antifungal properties of hypericin, hypericin tetrasulphonic acid and fagopyrin on pathogenic fungi and spoilage yeasts // *Pharmaceutical biology*. Oxon: Taylor and Francis Ltd. ISSN 1388-0209. eISSN 1744-5116. 2016, vol. 54, iss. 12, p. 3121-3125. DOI: 10.1080/13880209.2016.1211716. [Science Citation Index Expanded (Web of Science); Scopus; Biological Abstracts] [IF: 1,916; AIF: 2,743; IF/AIF: 0,698; Q2 (2016, InCites JCR SCIE)] [CiteScore: 1,88; SNIP: 0,856; SJR: 0,575; Q1 (2016, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,166].
 24. Novickij, Vitalij; Grainys, Audrius; Švedienė, Jurgita; Paškevičius, Algimantas; Novickij, Jurij. Controlled inactivation of *Trichophyton rubrum* using shaped electrical pulse bursts: Parametric analysis // *Biotechnology Progress*. Hoboken: Wiley-Blackwell. ISSN 8756-7938. eISSN 1520-6033. 2016, Vol. 32, iss. 4, p. 1056-1060. DOI: 10.1002/btpr.2276. [Science Citation Index Expanded (Web of Science); Wiley Online Library] [IF: 1,986; AIF: 2,921; IF/AIF: 0,679; Q2 (2016, InCites JCR SCIE)] [CiteScore: 2,12; SNIP: 0,777; SJR: 0,699; Q2 (2016, Scopus Sources)] [M.kr.: N 010, T 001] [Indėlis: 0,200].
 25. Novickij, Vitalij; Grainys, Audrius; Butkus, Paulius; Tolvaišienė, Sonata; Švedienė, Jurgita; Paškevičius, Algimantas; Novickij, Jurij. High-frequency submicrosecond electroporator // *Biotechnology & Biotechnological Equipment*. Abingdon: Taylor & Francis

- Ltd. ISSN 1310-2818. eISSN 1314-3530. 2016, Vol. 30, iss. 3, p. 607-613. DOI: 10.1080/13102818.2016.1150792. [Science Citation Index Expanded (Web of Science); Elsevier Biobase] [IF: 1,059; AIF: 3,515; IF/AIF: 0,301; Q4 (2016, InCites JCR SCIE)] [CiteScore: 0,82; SNIP: 0,481; SJR: 0,293; Q3 (2016, Scopus Sources)] [M.kr.: T 001, N 010] [Indėlis: 0,142].
26. Novickij, Vitalij; Grainys, Audrius; Lastauskienė, Eglė; Kananavičiūtė, Rūta; Pamedydytė, Dovilė; Zinkevičienė, Auksė; Kalėdienė, Lilija; Novickij, Jurij; Paškevičius, Algimantas; **Švedienė, Jurgita**. Growth inhibition and membrane permeabilization of *Candida lusitanae* using varied pulse shape electroporation // BioMed Research International. New York: Hindawi Publishing Corporation. ISSN 2314-6133. eISSN 2314-6141. 2015, Vol. 2015, Art. No. 457896. DOI: 10.1155/2015/457896. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 2,134; AIF: 3,223; IF/AIF: 0,662; Q3 (2015, InCites JCR SCIE)] [CiteScore: 1,77; SNIP: 0,851; SJR: 0,854; Q2 (2015, Scopus Sources)] [M.kr.: N 010, N 011, T 001] [Indėlis: 0,100].
27. Novickij, Vitalij; Grainys, Audrius; **Švedienė, Jurgita**; Markovskaja, Svetlana; Paškevičius, Algimantas; Novickij, Jurij. Irreversible electropermeabilization of the human pathogen *Candida albicans*: an *in-vitro* experimental study // European biophysics journal with biophysics letters. New York: Springer. ISSN 0175-7571. 2015, Vol. 44, iss. 1-2, p. 9-16. DOI: 10.1007/s00249-014-0996-3. [Science Citation Index Expanded (Web of Science); SpringerLink] [IF: 1,444; AIF: 3,254; IF/AIF: 0,443; Q4 (2015, InCites JCR SCIE)] [CiteScore: 1,55; SNIP: 0,688; SJR: 0,759; Q3 (2015, Scopus Sources)] [M.kr.: T 001, N 010] [Indėlis: 0,166].
28. Repečkienė, Jūratė; **Švedienė, Jurgita**; Paškevičius, Algimantas; Tekorienė, Rūta; Raudonienė, Vita; Gudeliūnaitė, Eglė; Baltrėnas, Pranas; Misevičius, Antonas. Succession of microorganisms in a plate-type air treatment biofilter during filtration of various volatile compounds // Environmental technology. Abingdon: Taylor&Francis. ISSN 0959-3330. 2015, Vol. 36, iss. 7, p. 881-889. DOI: 10.1080/09593330.2014.965227. [Science Citation Index Expanded (Web of Science)] [IF: 1,760; AIF: 3,107; IF/AIF: 0,566; Q3 (2015, InCites JCR SCIE)] [CiteScore: 1,63; SNIP: 0,806; SJR: 0,656; Q1 (2015, Scopus Sources)] [M.kr.: T 004] [Indėlis: 0,125].
29. **Švedienė, Jurgita**; Raudonienė, Vita; Ložienė, Kristina; Bridžiuvienė, Danguolė; Paškevičius, Algimantas; Vaičiulytė, Vaida. The Effect of various *Thymus pulegioides* chemotypes essential oils and pH on food spoilage microorganisms // Journal of essential oil-bearing plants. ISSN 0972-060X. 2015, Vol. 18, no. 2, p. 276-288. DOI: 10.1080/0972060X.2014.901634. [Science Citation Index Expanded (Web of Science); Chemical abstracts] [IF: 0,313; AIF: 2,664; IF/AIF: 0,117; Q4 (2015, InCites JCR SCIE)] [CiteScore: 0,41; SNIP: 0,394; SJR: 0,217; Q4 (2015, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,170].
30. Novickij, Vitalij; Grainys, Audrius; **Švedienė, Jurgita**; Markovskaja, Svetlana; Paškevičius, Algimantas; Novickij, Jurij. Microsecond pulsed magnetic field improves efficacy of antifungal agents on pathogenic microorganisms // Bioelectromagnetics. Hoboken: Wiley Periodicals. ISSN 0197-8462. eISSN 1521-186X. 2014, vol. 35, iss. 5, p. 347-353. DOI: 10.1002/bem.21848. [Science Citation Index Expanded (Web of Science); Scopus; INSPEC] [IF: 1,705; AIF: 2,916; IF/AIF: 0,584; Q2 (2014, InCites JCR SCIE); IF: 4,172; AIF: 3,402; IF/AIF: 1,226; Q1 (2014, InCites JCR SCIE)] [CiteScore: 1,79; SNIP: 1,204; SJR: 0,618; Q2 (2014, Scopus Sources)] [M.kr.: T 001, N 010] [Indėlis: 0,166].
31. Novickij, Vitalij; Grainys, Audrius; **Švedienė, Jurgita**; Markovskaja, Svetlana; Novickij, Jurij. Joule heating influence on the vitality of fungi in pulsed magnetic fields during magnetic permeabilization // Journal of thermal analysis and calorimetry. ISSN 1388-6150. 2014, Vol. 118, iss. 2, p. 681-686. DOI: 10.1007/s10973-014-3735-1. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Complete] [IF: 2,042; AIF:

- 3,699; IF/AIF: 0,552; Q2 (2014, InCites JCR SCIE)] [CiteScore: 1,87; SNIP: 1,207; SJR: 0,643; Q2 (2014, Scopus Sources)] [M.kr.: N 003, T 001] [Indėlis: 0,200].
32. Kašėtaitė, Sigita; Ostrauskaitė, Jolita; Gražulevičienė, Violeta; Švedienė, Jurgita; Bridžiuvienė, Danguolė. Camelina oil- and linseed oil-based polymers with bisphosphonate crosslinks // *Journal of applied polymer science*. Malden: Wiley-Blackwell. ISSN 0021-8995. eISSN 1097-4628. 2014, vol. 131, iss. 17, article 40683, p. 1-8. DOI: 10.1002/app.40683. [Science Citation Index Expanded (Web of Science); Current Contents / Engineering, Computing & Technology; Science Citation Index] [IF: 1,768; AIF: 2,983; IF/AIF: 0,592; Q2 (2014, InCites JCR SCIE)] [CiteScore: 1,76; SNIP: 0,970; SJR: 0,664; Q2 (2014, Scopus Sources)] [M.kr.: N 003, N 010] [Indėlis: 0,200].
33. Paškevičius, Algimantas; Švedienė, Jurgita. Distribution and species composition of causative agents of dermatophytoses in Lithuania // *Acta dermatovenerologica Croatica*. ISSN 1330-027X. 2013, Vol. 21, iss. 2, p. 99-104. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 0,581; AIF: 2,273; IF/AIF: 0,255; Q4 (2013, InCites JCR SCIE)] [CiteScore: 0,73; SNIP: 0,604; SJR: 0,268; Q3 (2013, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,500].
34. Kašėtaitė, Sigita; Ostrauskaitė, Jolita; Gražulevičienė, Violeta; Švedienė, Jurgita; Bridžiuvienė, Danguolė. Copolymers of glycerol and propylene glycol diglycidyl ethers with aromatic dithiols // *Journal of applied polymer science*. Malden: Wiley-Blackwell. ISSN 0021-8995. eISSN 1097-4628. 2013, vol. 130, iss. 6, p. 4367-4374. DOI: 10.1002/app.39697. [Science Citation Index Expanded (Web of Science); Scopus; Current Contents / Physical, Chemical & Earth Sciences] [IF: 1,640; AIF: 2,926; IF/AIF: 0,560; Q2 (2013, InCites JCR SCIE)] [CiteScore: 1,71; SNIP: 1,097; SJR: 0,629; Q2 (2013, Scopus Sources)] [M.kr.: T 005] [Indėlis: 0,200].
35. Paškevičius, Algimantas; Švedienė, Jurgita; Melvydas, Vytautas Boleslovas; Repečkienė, Jūratė; Bridžiuvienė, Danguolė. Aktyvių bakterijų izoliatų, slopinančių siloso gedimą sukeliančias mieles, paieška // *Veterinarija ir zootechnika*. ISSN 1392-2130. 2012, T. 59(81), p. 58-64. [Science Citation Index Expanded (Web of Science); Scopus; Academic Search Alumni Edition] [IF: 0,101; AIF: 1,267; IF/AIF: 0,079; Q4 (2012, InCites JCR SCIE)] [CiteScore: 0,11; SNIP: 0,153; SJR: 0,147; Q4 (2012, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,200].

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

1. Puišo, Judita; Paškevičius, Algimantas; Švedienė, Jurgita; Kazlauskas, Karolis; Gudeliūnaitė, Eglė; Damonskis, Matas. Antimicrobial activities of silver nanoparticles synthesized from *Vitis vinifera* juice // *Medical physics in the Baltic States : proceedings of the 12th international conference on medical physics, Kaunas, Lithuania, 5-7 November, 2015*. Kaunas : Kaunas University of Technology. ISSN 1822-5721. 2015, p. 104-107. [Conference Proceedings Citation Index - Science (Web of Science)] [S.flđ.: N 011] [Contribution: 0,166] [Indėlis autoriniais lankais: 0,047].

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

1. Treinytė, Jolanta; Gražulevičienė, Violeta; Bridžiuvienė, Danguolė; Švedienė, Jurgita. Properties and behaviour of starch and rapeseed cake-based composites in horticultural applications // *Estonian Journal of Ecology*. Tallinn: Estonian Academy Publishers. ISSN 1736-602X. 2014, Vol. 63, no. 1, p. 15-27. DOI: 10.3176/eco.2014.1.02. [Scopus;

- Zoological Record; BIOSIS Previews] [CiteScore: 0,56; SNIP: 0,346; SJR: 0,244; Q3 (2014, Scopus Sources)] [M.kr.: T 004, N 013] [Indėlis: 0,250].
2. Paškevičius, Algimantas; Švedienė, Jurgita; Levinskaitė, Loreta; Repečkienė, Jūratė; Raudonienė, Vita; Melvydas, Vytautas Boleslovas. The effect of bacteria and essential oils on mycotoxin producers isolated from feed of plant origin // Veterinarija ir zootechnika. ISSN 1392-2130. 2014, T. 65 (87), p. 52-60. [Academic Search Complete; CAB Abstracts] [CiteScore: 0,16; SNIP: 0,201; SJR: 0,158; Q4 (2014, Scopus Sources)] [M.kr.: N 012] [Indėlis: 0,166].

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

1. Paulauskas, Algimantas; Žukauskienė, Judita; Žiaukienė, Dovilė; Česonienė, Laima; Daubaras, Remigijus; Kupčinskienė, Eugenija; Lazutka, Juozas Rimantas; Slapšytė, Gražina; Dedonytė, Veronika; Mierauskienė, Jūratė; Stapulionytė, Asta; Paškevičius, Algimantas; Levinskaitė, Loreta; Švedienė, Jurgita; Viškelis, Pranas. Differentiation of *Viburnum* accessions according to their molecular, biochemical, genotoxic and microbiological features of importance to selection // Academia journal of agricultural research. New York : Academia Publishing House. ISSN 2315-7739. 2015, Vol. 3, iss. 6, 2015, p. 81-93. DOI: 10.15413/ajar.2015.0121. [S.fld.: N 010] [Contribution: 0,066].
2. Ložienė, Kristina; Labokas, Juozas; Paškevičius, Algimantas; Levinskaitė, Loreta; Venskutonis, Petras Rimantas; Švedienė, Jurgita; Abrutienė, Giedrė. Variation in the content of total phenolics, anthocyanins and antimicrobial effects in two fractions of blueberries different cultivars = Fenolinių junginių ir antocianinų kiekio bei antimikrobinio poveikio skirtumai dviejose šilauogių veislių uogų frakcijose // Botanica Lithuanica. Warsaw : De Gruyter Open. ISSN 1392-1665. eISSN 2029-932X. 2016, vol. 11, iss. 1, p. 78-86. DOI: 10.1515/botlit-2016-0008. [Scopus; Central & Eastern European Academic Source (CEEAS); BIOSIS Previews] [S.fld.: N 003, N 013] [Contribution: 0,142].

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2016 – 2018	Biocontrol of microorganisms that activate in microgravity conditions and cause skin infections using electro-magnetoporation". Lithuanian Science Council. National science program "Link to future technologies". Project manager – J. Švedienė.
2013-2015	Applied research and technological development of a plate structure air purification biofilter with a capillary charge irrigation system". Support projects of EU structural funds. ESFA. Project manager - J. Švedienė.
2011-2014	Genotype- and environment-dependent variation in bioactive components of rare berry plants". Science Council. National Science Program "Healthy and Safe Food". Project manager - J. Švedienė.
2012-2014	Lithuanian Science Council Research Group Project "New polymers and their composites from local renewable raw materials". Project manager - J. Švedienė.

INTERNSHIP AND TRAINING

2014 03 07-09	Diarod molecular training school, Swedish university of agricultural sciences, Sweden.
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PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Jefanova, Olga; Baužienė, Ieva; Mažeika, Jonas; Petrošius, Rimantas; Skuratovič, Žana; Bridžiuvienė, Danguolė; Levinskaitė, Loreta; Raudonienė, Vita; Švedienė, Jurgita; Paškevičius, Algimantas; Lujanienė, Galina. Initial radioecological and environmental state of Lithuanian transboundary area before the start of the operation of the NPP in Belarus // ENVIRA 2019: 5th international conference on environmental radioactivity variations of environmental radionuclides: 8 - 13 September 2019, Prague, Czech Republic: book of abstracts. Prague. 2019, ID 202, p. 157. [S.fld.: N 012, N 002].
2. Novickij, Vitalij; Gudiukaitė, Renata; Zinkevičienė, Auksė; Girkontaitė, Irutė; Paškevičius, Algimantas; Švedienė, Jurgita; Markovskaja, Svetlana; Novickij, Jurij; Lastauskienė, Eglė. Discovery of the new super-resistant phenotype of *Candida* yeasts grown under the modeled microgravity conditions. // Acta biochimica Polonica. Warszawa: Polskie Towarzystwo Biochemiczne. ISSN 0001-527X. eISSN 1734-154X. 2018, vol. 65, suppl.1, p. 51. [Conference Proceedings Citation Index - Science (Web of Science); Current Contents; MEDLINE] [S.fld.: N 010].
3. Lastauskienė, Eglė; Novickij, Vitalij; Zinkevičienė, Auksė; Girkontaitė, Irutė; Paškevičius, Algimantas; Švedienė, Jurgita; Markovskaja, Svetlana; Novickij, Jurij. Electroporation in combination with weak organic acids is suitable for the biocontrol of the skin colonizing yeasts // Basic & clinical pharmacology & toxicology. The Sixth International Conference on Biotechnology and Bioengineering (ICBB2017) 26–28 September 2017, Offenburg, Germany. Hoboken: John Wiley & Sons Ltd. ISSN 1742-7835. eISSN 1742-7843. 2018, Vol. 122, iss. S1, p. 4. DOI: 10.1111/bcpt.12952. [Science Citation Index Expanded (Web of Science)] [S.fld.: N 010].
4. Melvydas, Vytautas; Svediene, Jurgita; Skridlaite, Grazina; Loginovaite, Simona; Vaiciuniene, Jurate; Garjonyte, Rasa. Antimicrobial activity of red pulcherrimin-producing *Metschnikowia* spp. against *Saccharomyces cerevisiae* // XVth International conference of the Lithuanian Biochemical Society, June 26-29, 2018, Dubingiai, Lithuania: book of abstracts. Dubingiai : Lietuvos biochemikų draugija. 2018, p. 46-47. [S.fld.: T 005, N 010].
5. Lastauskienė, Eglė; Novickij, Vitalij; Zinkevičienė, Auksė; Girkontaitė, Irutė; Paškevičius, Algimantas; Švedienė, Jurgita; Markovskaja, Svetlana; Novickij, Jurij. Electroporation in combination with weak organic acids is suitable for the biocontrol of the skin colonizing yeasts. // 2017 International Conference on Advances in Biomedicine and Biomedical Engineering (ICABBE); 6th International Conference on Biotechnology and Bioengineering (ICBB), September 26-28, 2017, Offenburg, Germany. Offenburg: Offenburg University of applied sciences. 2017, p. 20. [S.fld.: N 010].
6. Zinkevičienė, Auksė; Lastauskienė, Eglė; Novickij, Vitalij; Grainys, Audrius; Girkontaitė, Irutė; Paškevičius, Algimantas; Švedienė, Jurgita; Markovskaja, Svetlana; Novickij, Jurij. Electroporation-mediated inactivation of *C. lusitaniae* cells and pseudohyphae // FEMS 2017: 7th congress of European microbiologists, July 9-13, 2017, Valencia, Spain: abstract book. Valencia : FEMS. 2017, abstract no. FEMS7-0477. [S.fld.: T 001, N 010].
7. Claramunt, Adrián Vicent; Paškevičius, Algimantas; Švedienė, Jurgita; Malachovskienė, Eglė; Kiverytė, Silvija; Petrauskaitė, Roberta; Griškevičius, Laimonas; Zolumskis, Audrius; Naujalis, Evaldas. Thermal desorption methodology for volatile organic compounds (VOC'S) identification: possible application in invasive fungal infections // Open readings 2017: 60th international conference for students of physics and natural sciences : March 14-17, 2017, Vilnius, Lithuania : programme and abstracts. Vilnius: Vilniaus universitetas. ISSN 2029-4425. 2017, [2017], p. 173. [S.fld.: N 002].
8. Švedienė, J.; Raudonienė, V.; Repečkienė, J.; Paškevičius, A.; Tekorienė, R.; Gudeliūnaitė, E.; Baltrėnaitė, E. The change of microorganisms quantity in biofilter with pine biocarbon // XIX Symposium of the Baltic mycologists and lichenologists. Riga. 2014, p. 70. [S.fld.: N 010].

9. Repečkienė, J.; Švedienė, J.; Paškevičius, A.; Tekorienė, R.; Raudonienė, V.; Gudeliūnaitė, E.; Baltrėnas, P.; Zagorskis, A.; Misevičius, A. Fungi, yeasts and bacteria in plate-type air treatment biofilter during filtration of volatile compounds // XIX Symposium of the Baltic mycologists and lichenologists. Riga. 2014, p. 69. [S.fld.: N 010].
10. Čapukoitienė, Brigita; Melvydas, Vytautas Boleslovas; Koreivienė, Judita; Paškevičius, Algimantas; Švedienė, Jurgita. Possible impact of invasive algae *Gonyostomum* on the lakes microflora in Lithuania // FEBS journal. ISSN 1742-464X. 2012, Vol. 279, suppl. 1, p. 522. [Science Citation Index Expanded (Web of Science)] [S.fld.: N 013].
11. Ložienė, Kristina; Šakalytė, Jurgita; Paškevičius, Algimantas; Venskutonis, Rimantas. The effect of the *Thymus pulegioides* L. (Lamiaceae) essential oils on pathogenic yeasts of candida genus // 8th Nordic-Baltic congress of infectious diseases, September 23-26, 2009, St. Petersburg, Russia: book of abstracts. St. Petersburg. 2009, p. 44. [S.fld.: N 010].

National scientific conferences:

1. Raudonienė, Vita; Bridžiuvienė, Danguolė; Švedienė, Jurgita; Paškevičius, Algimantas. Dezinfekcinių medžiagų efektyvumas gerinant patalpų sanitarinę būklę „Efficiency of disinfectants in the improvement of the sanitary condition of the premises // Žmogaus ir gamtos sauga „Human and Nature Safety : Dvidešimt antroji tarptautinė mokslinė-praktinė konferencija "Žmogaus ir gamtos sauga 2016" : 2016 m. gegužės 4-6 d., Kaunas. Kaunas : Akademija. ISSN 1822-1823. 2016, p. 55-58. [S.fld.: N 013] [Contribution: 0,250] [Indėlis autoriniais lankais: 0,072].
2. Švedienė, Jurgita; Raudonienė, Vita; Bridžiuvienė, Danguolė; Paškevičius, Algimantas. Eterinių aliejų fungicidinių savybių įvertinimas // 19-osios tarptautinės mokslinės-praktinės konferencijos “Žmogaus ir gamtos sauga 2013” medžiaga. Kaunas-Akademija. 2013, p. 137-139. [S.fld.: N 010] [Contribution: 0,250] [Indėlis autoriniais lankais: 0,054].

PARTICIPATION IN THE STUDY PROCESS

Supervision of bachelor and master students:

Lina Šidlauskaitė	Master: „Fungi in indoor environment and a search for biologically active compounds against them“ 2015–2016 . (VU GMC, Microbiology and Biotechnology).
Martynas Lopetaitis	Bachelor: „Inactivation of <i>Zygosaccharomyces</i> yeasts by physicochemical measures“ 2016-2017. (VU GMC, Microbiology and Biotechnology).
Toma Adomaitytė	Bachelor: „Investigation of biological active material producing by actinobacteria and their potential applications for Harmful <i>Candida</i> spp.“ 2017-2019. (VU GMC, Microbiology and Biotechnology).
Augustė Urbakonytė	Bachelor: „Antimicrobial activity evaluation of actinobacteria against pathogenic yeasts“ 2019-2020. (VU GMC, Microbiology and Biotechnology).
Sandra Viažel	Bachelor: „Biocidal activities of actinobacteria detected in contaminated soil“ 2020-2021 m. (VGTU, Fundamental sciences faculty, Biotechnology study programme).

OTHERS

1. Švedienė, Jurgita; Švedas, Aleksandras. Grybai aplink mus // Žalioji planeta. Vilnius : VŠĮ "Ekologinio švietimo centras". ISSN 1392-2092. 2021, Nr. 18, p. 1, 8. [S.fld.: N 013].