Algimantas Paškevičius

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

1990–1993	Doctor of Biomedical Sciences, Biology (Botany-Mycology) (Vilnius University and Institute of Botany). Dissertation topic: "Biological properties of the yeast-like fungi functioning on the various substrates), supervisor – prof. habil. dr. A. Lugauskas
1982 – 1989	Vilnius Pedagogical Institute.

PROFESSIONAL EXPERIENCE

2010 till	**Head of the laboratory** Laboratory of Biodeterioration, Nature Research Centre
2004 – 2010	**Head of the laboratory** Laboratory of Biodeterioration, Institute of Botany
2015 – till now	**Chief researcher** Laboratory of Biodeterioration, Nature Research Centre
2010 – 2015	**Senior researcher** Laboratory of Biodeterioration, Nature Research Centre
1995 – 2010	**Senior researcher** Laboratory of Biodeterioration, Institute of Botany
1993 – 1995	**Researcher** Laboratory of Biodeterioration, Institute of Botany
1990 – 1993	**Junior researcher** Laboratory of Biodeterioration, Institute of Botany

RESEARCH INTERESTS

Since 1989 has been performing investigation on morphological, physiological, biochemical and ecological peculiarities of yeasts and other micromycetes as well as on biological properties of pathological and toxic yeasts and micromycetes. The applicant has a long-term experience in identification of yeasts and medically important micromycetes, maintenance of collections of yeasts and other microorganisms and in updating data basis.

PUBLICATIONS

Monographs

1. Lugauskas A., **Paškevičius A.**, Repečkienė J. Patogeniški ir toksiški mikroorganizmai žmogaus supančioje aplinkoje = Pathogenic and toxic microorganisms in the human environment. Vilnius, 2002: 434 p.

2. Bridžiuvienė D., Levinskaitė L., Lugauskas A., **Paškevičius A.**, Pečiulytė D., Repečkienė J., Salina O., Varnaitė R. Mikrobiologiniai medžiagų pažeidimai = Microbiological deterioration of materials. Vilnius, 1997. 469 p.

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

1. Žalnėravičius R., **Paškevičius A.**, Samukaitė-Bubnienė Urtė, Ramanavičius S., Vilkienė M., Mockevičienė I., Ramanavičius A. Microbial fuel cell based on nitrogen-fixing Rhizobium anhuiense bacteria // Biosensors. Basel : MDPI. eISSN 2079-6374. 2022, vol. 12, iss. 2, art. no. 113, p. 1-15. DOI: 10.3390/bios12020113.
2. Bridžiuvienė D., Raudonienė V., Švedienė J., **Paškevičius A.**, Baužienė I., Vaitonis G., Šlepetienė A., Šlepetys J., Kačergius A.. 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.
3. Švedienė J., Novickij V., Žalnėravičius R., Raudonienė V., Markovskaja S., Novickij J., **Paškevičius A.** 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.
4. Vaičiulytė V., Ložienė K., Švedienė J., Raudonienė V., **Paškevičius A.** alpha-terpinyl acetate: Occurrence in essential oils bearing Thymus pulegioides, hhytotoxicity, and antimicrobial effects // Molecules. Basel : MDPI. eISSN 1420-3049. 2021, vol. 26, iss. 4, art. no. 1065, p. [1-16]. DOI: 10.3390/molecules26041065.
5. Mažeika K., Šiliauskas L., Skridlaitė G., Matelis A., Garjonytė R., **Paškevičius A.**, Melvydas V. B. Features of iron accumulation at high concentration in pulcherrimin-producing Metschnikowia yeast biomass // Journal of biological inorganic chemistry. Heidelberg : Springer. ISSN 0949-8257. 2021, vol. 26, iss. 2-3, p. 299-311. DOI: 10.1007/s00775-021-01853-z.
6. Žalnėravičius R., Klimas V., **Paškevičius A.**, Grincienė G., Karpicz R., Jagminas A., Ramanavičius A. Highly efficient antimicrobial agents based on sulfur-enriched, hydrophilic molybdenum disulfide nano/microparticles and coatings functionalized with palladium nanoparticles // Journal of colloid and interface science. San Diego, CA : Academic Press Inc. Elsevier Science. ISSN 0021-9797. eISSN 1095-7103. 2021, vol. 591, p. 115-128. DOI: 10.1016/j.jcis.2021.01.103.
7. Ložienė K., Labokas J., Vaičiulytė V., Švedienė, J., Raudonienė V., **Paškevičius A.,** Šveistytė L., Apšegaitė V. 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.
8. **Paškevičius A.**, Švedienė J., Kiverytė S., Bridžiuvienė D., Vaitonis G., Jablonskienė V. 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.
9. Jefanova O., Baužienė I., Lujanienė G., Švedienė J., Raudonienė V., Bridžiuvienė D., **Paškevičius A.**, Levinskaitė L., Žvirgždas J., Petrošius R., Skuratovič Ž., Mažeika J. 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.
10. Lastauskienė E., Novickij V., Zinkevičienė A., Girkontaitė I., **Paškevičius A.**, Švedienė J., Markovskaja S., Novickij J. 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.

11. Novickij V., Lastauskienė E., Staigvila G., Girkontaitė I., Zinkevičienė A., Švedienė J., **Paškevičius A.**, Markovskaja S., Novickij J.. 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.
12. Novickij V., Staigvila G., Gudiukaitė R., Zinkevičienė A., Girkontaitė I., **Paškevičius A.**, Švedienė J., Markovskaja S., Novickij J., Lastauskienė E. 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.
13. Žalnėravičius R., Mikalauskaitė A., Niaura G., **Paškevičius A.**, Jagminas A. Ultra-small methionine-capped Au0/Au+ nanoparticles as efficient drug against the antibiotic-resistant bacteria // Materials science and engineering: C. Amsterdam : Elsevier B.V. ISSN 0928-4931. 2019, vol. 102, p. 646-652. DOI: 10.1016/j.msec.2019.04.062.
14. Novickij V., Zinkevičienė A., Valiulis J., Švedienė J., **Paškevičius A.**, Lastauskienė E., Markovskaja S., Novickij J., Girkontaitė I. 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.
15. Novickij V., Švedienė J., **Paškevičius A.**, Markovskaja S., Lastauskienė E., Zinkevičienė A., Girkontaitė I., Novickij J. 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.
16. Ložienė K., Švedienė J., **Paškevičius A.**, Raudonienė V., Sytuar O., Kosyan A. 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.
17. Novickij V., Lastauskienė E., Švedienė J., Grainys A., Staigvila G., **Paškevičius A.**, Girkontaitė I., Zinkevičienė A., Markovskaja S., Novickij J. 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.
18. Novickij V., Zinkevičienė A., Perminaitė E., Čėsna R., Lastauskienė E., **Paškevičius A.**, Švedienė J., Markovskaja S., Novickij J., Girkontaitė I. 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.
19. Novickij V., Švedienė J., **Paškevičius A.**, Markovskaja S., Girkontaitė I., Zinkevičienė A., Lastauskienė E., Novickij J. 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.
20. Žalnėravičius R., **Paškevičius A.**, Mažeika K., Jagminas A. Fe(II)-substituted cobalt ferrite nanoparticles against multidrug resistant microorganisms // Applied surface science. Amsterdam : Elsevier B.V. ISSN 0169-4332. 2018, Vol. 435, p. 141-148. DOI: 10.1016/j.apsusc.2017.11.028.

21. Novickij V., Švedienė J., **Paškevičius A.**, Novickij J. 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.
22. Novickij V., Girkontaitė I., Zinkevičienė A., Švedienė J., Lastauskienė E., **Paškevičius A.**, Markovskaja S., Novickij J. 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.
23. Novickij V., Girkontaitė I., Grainys A., Zinkevičienė A., Lastauskienė E., Švedienė J., **Paškevičius A.,** Markovskaja S., Novickij J. 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.
24. Sytar O., Švedienė J., Ložienė K., **Paškevičius A.**, Kosyan A., Taran N. 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.
25. Žalnėravičius R., **Paškevičius A.**, Kurtinaitienė M., Jagminas A. Size-dependent antimicrobial properties of the cobalt ferrite nanoparticles // Journal of nanoparticle research. Dordrecht : Springer. ISSN 1388-0764. 2016, Vol. 18, iss. 10, p. art. no. 300 [1-10]. DOI: 10.1007/s11051-016-3612-x.
26. Novickij V., Grainys A., Švedienė J. **Paškevičius A.**, Novickij J. 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.
27. Novickij V., Grainys A., Butkus P., Tolvaišienė S., Švedienė J., **Paškevičius A.**, Novickij J. 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.
28. Novickij V., Grainys A., Lastauskienė E., Kananavičiūtė R., Pamedytytė D., Zinkevičienė A., Kalėdienė L., Novickij J., **Paškevičius A.**, Švedienė J. Growth inhibition and membrane permeabilization of Candida lusitaniae 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.
29. Novickij V., Grainys A., Švedienė J., Markovskaja S., **Paškevičius A.**, Novickij J. 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.
30. Čižeikienė D., Juodeikienė G., Bartkienė E., Damašius J., **Paškevičius A.** Phytase activity of lactic acid bacteria and their impact on the solubility of minerals from wholemeal wheat bread // International journal of food sciences and nutrition. London : Taylor & Francis. ISSN 0963-7486. 2015, vol. 66, no. 7, p. 736-742. DOI: 10.3109/09637486.2015.1088939.
31. Repečkienė J., Švedienė J., **Paškevičius A.**, Tekorienė R., Raudonienė V., Gudeliūnaitė E., Baltrėnas P., Misevičius A. 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.
32. Jagminas A., Žalnėravičius R., Rėza A., **Paškevičius A.**, Selskienė A. Design, optical and antimicrobial properties of extremely thin alumina films colored with silver nanospecies //

Dalton transactions. ISSN 1477-9226. 2015, vol. 44, p. 4512-4519. DOI: 10.1039/C4DT03644A.
33. Švedienė J., Raudonienė V., Ložienė K., Bridžiuvienė D., **Paškevičius A.**,Vaičiulytė V. 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.
34. Žalnėravičius R., **Paškevičius A.**, Kovger J., Jagminas A. Fabrication by AC deposition and antimicrobial properties of pyramidal-shaped Cu2O-TiO2 heterostructures // Nanomaterials and nanotechnology. ISSN 1847-9804. 2014, Vol. 4, p. 31 (1-8). DOI: 10.5772/59997.
35. Novickij V., Grainys A., Švedienė J., Markovskaja S., **Paškevičius A.**, Novickij J. 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.
36. Mačaitis K., Misevičius A., **Paškevičius A.**, Raudonienė V., Repečkienė J. Effectiveness research on a wavy lamellar plate-type biofilter with a capillary system for the humidification of the packing material applying introinduced microorganisms // Journal of environmental engineering and landscape management. Vilnius : Technika. ISSN 1648-6897. eISSN 1822-4199. 2014, Vol. 22, no. 4, p. 254-263. DOI: 10.3846/16486897.2014.972409.
37. Garjonytė R., Melvydas V. B., **Paškevičius A.**, Rašomavičius V., Malinauskas A. Mediated amperometry reveals two distinct modes of yeast responses to glucose // Central European journal of biology. ISSN 1895-104X. 2014, Vol. 9, iss. 2, p. 173-181. DOI: 10.2478/s11535-013-0257-y.
38. Levinskaitė L., **Paškevičius A.** Fungi in water-damaged buildings of Vilnius old city and their susceptibility towards disinfectants and essential oils // Indoor and built environment. ISSN 1420-326X. 2013, Vol. 22, iss. 5, p. 766-775. DOI: 10.1177/1420326X12458514.
39. **Paškevičius A.**, Švedienė J. 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.
40. Repečkienė J., Salina O., **Paškevičius A.**, Liužinas R., Jankevičius K., Bridžiuvienė D. Effect of complex technological means on biodegradation of oil products and succession of microorganisms in polluted soil // Polish journal of environmental studies. ISSN 1230-1485. 2013, Vol. 22, no. 3, p. 831-840.
41. Repečkienė J., Levinskaitė L., **Paškevičius A.**, Raudonienė V. Toxin-producing fungi on feed grains and application of yeasts for their detoxification // Polish journal of veterinary sciences. ISSN 1505-1773. 2013, Vol. 16, iss. 2, p. 391-393. DOI: 10.2478/pjvs-2013-0054.
42. Cizeikiene D., Juodeikiene G., **Paskevicius A.**, Bartkiene E. Antimicrobial activity of lactic acid bacteria against pathogenic and spoilage microorganism isolated from food and their control in wheat bread // Food control. Oxford : Elsevier Science. ISSN 0956-7135. eISSN 1873-7129. 2013, vol. 31, iss. 2, p. 539-545. DOI: 10.1016/j.foodcont.2012.12.004.
43. **Paškevičius A.**, Švedienė J., Melvydas V. B., Repečkienė J., Bridžiuvienė D. Aktyvių bakterijų izoliatų, slopinančių siloso gedimą sukeliančias mieles, paieška // Veterinarija ir zootechnika. ISSN 1392-2130. 2012, T. 59(81), p. 58-64.
44. Repečkienė J., Pečiulytė D., **Paškevičius A.**, Salina O., Jankevičius K., Liužinas R. Microbiological reduction of monoethanolamine waste toxicity // Journal of environmental engineering and landscape management. ISSN 1648-6897. 2011, Vol. 19, no. 4, p. 287-295. DOI: 10.3846/16486897.2011.634054.
45. Kviliūtė R., **Paškevičius A.**, Gulbinovic J., Stulpinas R., Griškevičius L. Nonfatal Trichoderma citrinoviride pneumonia in an acute myeloid leukemia patient // Annals of hematology. ISSN 0939-5555. 2008, Vol. 87, iss. 6, p. 501-502. DOI: 10.1007/s00277-007-0427-y.

46. Šalomskienė J., **Paškevičius A.**, Mačionienė I. Monitoring yeast species in quarg, quarg products and their production environment during the manufacturing process // Acta alimentaria. Budapest : Akadémiai Kiadó. ISSN 0139-3006. 2003, vol. 32, iss. 3, p. 317-322. DOI: 10.1556/aalim.32.2003.3.11.

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

1. Jovaišienė J., Bakutis B., Baliukonienė V., Kačergius A., **Paškevičius A.**, Gerulis G. Hygienic sanitary estimation of maize silage in dairy farms in Lithuania // The 7th international scientific conference RURAL DEVELOPMENT 2015: Towards the Transfer of Knowledge, Innovations and Social Progress: 19-20th November, 2015 / Aleksandras Stulginskis University / Edited by prof. Asta Raupelienė. Akademija (Kauno raj.) : LŽŪU Leidybos centras. ISSN 1822-3230. 2015, vol. 00 book 00, p. 1-5. DOI: 10.15544/RD.2015.023.
2. Puišo J., **Paškevičius A.**, Švedienė J., Kazlauskas K., Gudeliūnaitė E., Damonskis M. 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.

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

1. **Paškevičius A.**, Švedienė J., Levinskaitė L., Repečkienė J., Raudonienė V., Melvydas V. B. 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.
2. Ložienė K., Šakalytė J., **Paškevičius A.**, Venskutonis P. R. Anti-Candida activity of Thymus pulegioides (Lamiaceae) essential oils depends on the plant chemotype // Herba Polonica. ISSN 0018-0599. 2008, vol. 54, iss. 4, p. 79-92.
3. **Paškevičius A.**, Varnaitė R. Yeast occurrence in herring products and processing environment and their biochemical peculiarities // Polish journal of food and nutrition sciences. ISSN 1230-0322. 2010, Vol. 60, iss. 4, p. 369-373.
4. Paulauskas A., Žukauskienė J., Žiaukienė D., Česonienė L., Daubaras R., Kupčinskienė E., Lazutka J. R., Slapšytė G., Dedonytė V., Mierauskienė J., Stapulionytė A., **Paškevičius A.**, Levinskaitė L., Švedienė J., Viškelis P. 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.

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

1. Liužinas R., Jankevičius K., Paunksnytė I., Kalėdienė L., Giedraitytė G., **Paškevičius A.**, Repečkienė J. Nafta užterštų teritorijų remediacija, panaudojant biovalymui mikrobinės degradacijos stimuliavimo metodus = Remediation of oil polluted territories using microbial degradation stimulation methods for biocleaning // Darnaus vystymosi strategija ir praktika :

mokslo darbai / Mykolo Romerio universitetas. Vilnius : Mykolo Romerio universiteto Leidybos centras. ISSN 2029-1558. 2009, [t.] 1(3), p. 77-86.

2. **Paškevičius A.**, Šakalytė J. Dermatomikozių sukėlėjai ir jų epidemiologija = Microorganisms causing dermatomycoses and their epidemiology // Žvilgsnis į mikroorganizmų pasaulį: gamtamokslinio ugdymo priemonė. Vilnius : Lietuvos Respublikos švietimo ir mokslo ministerijos Švietimo aprūpinimo centras, 2007. ISBN 9789986036111. P. 170-177.

Reviewed scientific articles, published in Lithuania:

1. Žvirgždas J., Kiverytė S., **Paškevičius A.**, Jacevičius P. A retrospective study of dermatomycosis causative agents in Vilnius University Hospital Santaros Clinics = Retrospektyvusis dermatomikozės sukėlėjų tyrimas Vilniaus universiteto ligoninėje Santaros klinikose // Laboratorinė medicina. Vilnius : Lietuvos laboratorinės medicinos draugija. ISSN 1392-6470. 2021, t. 23, Nr. 4, p. 198-206.
2. Sendžikaitė I., Čižeikienė D., Raudonienė V., **Paškevičius A.** Mikroskopinių grybų, išskirtų iš gamtinės aplinkos, produkuojamų celiuliazių aktyvumo tyrimai = The activity study of fungal cellulases isolated from the natural environment // Žemės ūkio mokslai = Agricultural sciences. Vilnius : Academia. ISSN 1392-0200. eISSN 2424-4120. 2018, t. 25, Nr. 4, p. 198-204. DOI: 10.6001/zemesukiomokslai.v25i4.3870.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2021 – 2022	Project manager. International program „Evaluation of the microbiological status of soil samples“, “AGROINDUSTRIAL KIMITEC, S.L.”, MAAVI INNOVATION CENTER (Spain), JSC „LitaHorti“ (Lithuania). Project No 2021/PER-4-17; No 2022/PER-4-2.
2019 – 2020	Group leader. National program „Development of plant-based bioplastic experimental technology”. Project No J05-LVPA-K-02-0023.
2016 – 2018	Group leader. National program “Towards future technologies”. Theme “Electro-magnetoporation mediated biocontrol of the microgravity affected and skin infections causative microorganisms”. Project No LAT-16001.
2012 - 2015	Group leader. National project „Applied research and technological development of plate type air treatment biofilter with a capillary humidification system for packing material“. Project No VP1-3.1-ŠMM-10-V-02-015, („BIOFILTER“).
2012 – 2015	Project manager. International project FP7-SME-2012. „Enhanced chitin-based biosorbents for drinking water purification“ („ChitoClean“)
2011 – 2014	Group leader. National program „Healthy and safe food“. Theme „Change of bioactive compounds in underutilised berry species depending on genotype and environment“. Project No SVE-11018, („UOGBIOGENA“).

INTERNSHIP AND TRAINING

1997	Identification of yeasts and medically important fungi. National collection of microorganisms, Hungary.

1990 – 1991 Identification, classification and nomenclature of the yeasts. Institute of Microorganisms biochemistry and physiology, Russia

1989 – 1990 Mutagenic activity of biocides with the test-yeast *Saccharomyces cerevisiae* (PV2). Institute of microorganisms genetic and selection, Russia

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Viačiulienė G., **Paškevičius A**., Knizikevičiūtė L., Gerulis G. The influence of different species of yeast on mycotoxins concentration in wheat. Proceedings of the 9th International Scientific Conference Rural Development, 2019. DOI: http://doi.org/10.15544/RD.2019.014
2. Andziukevičiūtė-Jankūnienė A., Danisevičienė I., Raudonienė V., **Paškevičius A.**, Jankauskaitė V. Antimicrobial polymer coatings creation and investigation. Proceedings of International young researches conference "Industrial engineering 2020" (KTU, May 14, 2020, Kaunas, Lithuania), p. 7-14.
3. Jankauskaitė V., Danisevičienė I, Andziukevičiūtė-Jankūnienė A., Raudonienė V., **Paškevičius A**. Polyvinil butyral films with antimicrobial activity. Proceedings of Baltic polymer symposium, (September 18-20, 2019, Vilnius, Lithuania), p. 96.
4. Baliukonienė V., Jovaišienė J., Bakutis B., Pikūnaitė M., **Paškevičius A.**, Kasperavičiūtė G., Falkauskas R., Gerulis G. Mycotoxins reduction during processing of cereal-based products. 41st Mycotoxin Workshop, Lisbon, Portugal (May 6-8, 2019). Conference abstracts: 74.
5. Žalnėravičius R., Jagminas A., **Paškevičius A.** Cobalt ferrite nanoparticles against multi-drug resistant microorganisms. Biomedical and Life Sciences Meeting Collaborative Conference on Antimicrobial Resistance. Victoria, Canada, 2018, (OP).
6. Sendžikaitė I., Čižeikienė D., Ragauskaitė E., Raudonienė V., **Paškevičius A.** Cellulase activity produced by newly isolated fungi // FoodBalt – 2018: 12th Baltic conference on foodscience and technology "Food R&D in the Baltics and beyond", May 17-18, 2018 Kaunas, Lithuania : abstract book /Kaunas University of Technology. Department of Food Science and Technology. Kaunas: Kauno technologijos universitetas, 2018, p. 35.
7. Zinkevičienė A., Lastauskienė E., Novickij V., Grainys A., Girkontaitė I., **Paškevičius A.**, Švedienė J., Markovskaja S., Novickij J. Electroporation-mediated inactivation of *C. lusitaniae* cells and pseudohyphae. FEMS 2017: 7th congress of European microbiologists (2017-07-09 – 2017-07-13). FEMS, Valencia, Spain: FEMS7-0477.

National scientific conferences:

1. **Paškevičius A.**, Bridžiuvienė D., Švedienė J., Levinskaitė L., Raudonienė V. Malachovskienė E., Žvirgždas J., Švedas A. Research on the diversity of micromycetes species and communities, regulation of activity and evaluation of the role in the biodestruction processes of various substances. Scientific reporting conference "New insights in nature research: from molecular to innovative nature management solutions" (April 22, 2022, Nature Research Centre, Vilnius). https://gamtostyrimai.lt/lt/naujienos/moksline-ataskaitine-konferencijanaujos-izvalgos-gamtos-tyrimuose-nuo-molekules-iki-inovatyviu-gamtonaudos-sprendimu.
2. **Paškevičius A.**, Žvirgždas J., Raudonienė V., Švedienė J., Bridžiuvienė D. Globe programs "My contribution to global environmental monitoring" and the Baltic Sea project "Implementation of the Baltic Sea project in my school". Remote conference of the Center for Informal Education of Lithuanian Students (November 26, 2021, Vilnius). https://www.youtube.com/watch?v=GGb95MQUN00 .
3. Žvirgždas J., **Paškevičius A.**, Petrovas S., Galginienė I., Iljasevičius K. Selection and application of oil-oxidizing microorganisms for biological remediation of contaminated soil. 10th conference of young scientists "Young scientists - agricultural progress" (November 18, 2021, LMA, Vilnius), 28 p. http://www.lma.lt/uploads/LMA%20leidyba/Jaunieji%20mokslininkai%20-

%20%C5%BEem%C4%97s%20%C5%ABkio%20pa%C5%BEangai.%20Prane%C5%A1im%C5%B3%20tez%C4%97s_2021.pdf

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Field of science: *Biomedical sciences* (N000). Field of study: *Biology* (01 B). Microbiology, bacteriology, virology, mycology (B 230).

Jurgita Švedienė	Dissertation topic: "Prevalence of *Candida* Berkhout yeasts, biological characteristics and the search for preventive measures against them"	2005 – 2012

Field of science: *Natural sciences* (N000). Field of study: *Ecology and environmental studies* (03B)

Jonas Žvirgždas	Dissertation topic: „Mielių paplitimas ant įvairių antropogenizuotų substratų, biologiniai ir ekologiniai ypatumai, veiklos reguliavimas“	2019 – till now

Scientific consultant:

Field of science: *Agricultural sciences* (A000). Field of study: *Agronomy* (A001)

Gintarė Kasperavičiūtė (Vaičiulienė)	Dissertation topic: "Black spot disease (*Rhexocercosporidium carotae* (Ärsvoll) U. Braun) and development patterns in edible carrot crops and damage during storage"	2018 – 2022

OTHERS

1. A. Paškevičius. LRT „Science soup“, 2021-11-15: https://www.lrt.lt/mediateka/irasas/2000184985/mokslo-sriuba-ugnikalniu-sukeliami-potvyniai.
2. A. Paškevičius. LRT „Science soup“, 2021-11-28: https://www.lrt.lt/mediateka/irasas/2000187516/mokslo-sriuba-kosmoso-turizmo-efektai-klimatui