Vita Raudonienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

1997 – 2003	Doctoral degree in Biomedical Sciences (01 B) (Vilnius University and Institute of Botany). Dissertation topic: "Micromycetes - producers of phenoloxidases and their significance in bioconversion of plant waste", supervisor - habil. Dr. R. Varnaitė. Field of research: phenoloxidase-producing micromycetes, degradation of the lignin-cellulose complex.
1995 – 1997	Vilnius University, Master's degree of Plant Physiology and Microbiology Master's thesis topic: "Micromycetes, producers of oxidase enzymes, and their physiological characteristics". The work was carried out at the Institute of Botany, Laboratory of Biodeterioration Research. Field of research: peroxidase and endoglucanase activity of micromycetes, influence of heavy metals on enzymes.
1991 – 1995	Vilnius University, Bachelor degree of Plant Physiology and Microbiology Thesis topic: "Microbiological conversion of plant waste lignin-cellulose complex". The work was carried out at the Institute of Botany, Laboratory of Biodeterioration Research. Field of research: lignin and cellulose content in rye straw; the influence of mineral additives on the degradation of the lignin-cellulose complex.

PROFESSIONAL EXPERIENCE

2010 – up to now	**Researcher** Nature Research Centre, Laboratory of Biodeterioration Research
2006 – 2010	**Researcher** Institute of Botany, Laboratory of Biodeterioration Research
2003 – 2006	**junior research assistant** Institute of Botany, Laboratory of Biodeterioration Research
1996 – 2000	**assistant** Institute of Botany, Laboratory of Biodeterioration Research

RESEARCH INTERESTS

Field of research*:* Research related to fungi physiological peculiarities; select fungal strains actively decomposing organic waste; searching additive, accelerating the degradation of polymeric materials. Enzymatic properties of fungi, and effect of ecological factors on enzyme activity of

microorganisms are study; degradation of lignin-cellulose complex of herbaceous plants and plant remnant by fungi.

PUBLICATIONS

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

1. Motiekaityte, Greta; Navaruckiene, Aukse; **Raudoniene, Vita**; Bridziuviene, Danguole; Jaras, Justinas; Kantminiene, Kristina; Ostrauskaite, Jolita. Antimicrobial dual-cured photopolymers of vanillin alcohol diglycidyl ether and glycerol dimethacrylate // Journal of applied polymer science. Hoboken, NJ : Wiley. ISSN 0021-8995. eISSN 1097-4628. 2023, vol. 140, iss. 2, art. no. e53289, p. 1-13. DOI: 10.1002/app.53289. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 3,057; AIF: 5,162; IF/AIF: 0,592; Q2 (2021, InCites JCR SCIE)] [CiteScore: 5,00; SNIP: 0,793; SJR: 0,528; Q2 (2021, Scopus Sources)] [M.kr.: N 010, T 005] [Indėlis: 0,142]
2. 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: 5,250; IF/AIF: 1,090; 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]
3. Navaruckiene, Aukse; Bridziuviene, Danguole; **Raudoniene, Vita**; Rainosalo, Egidija; Ostrauskaite, Jolita. Vanillin acrylate-based thermo-responsive shape memory antimicrobial photopolymers // Express polymer letters. Budapest : Budapest university of technology and economics. ISSN 1788-618X. 2022, vol. 16, iss. 3, p. 279-295. DOI: 10.3144/expresspolymlett.2022.22. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,952; AIF: 5,162; IF/AIF: 0,765; Q2 (2021, InCites JCR SCIE)] [CiteScore: 6,60; SNIP: 1,126; SJR: 0,657; Q1 (2021, Scopus Sources)] [M.kr.: N 010, T 005] [Indėlis: 0,200]
4. Švedienė, Jurgita; Novickij, Vitalij; Žalnėravičius, 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: 0,142]
5. 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: 6,975; IF/AIF: 0,706; Q2 (2021, InCites JCR SCIE)] [CiteScore: 5,90; SNIP: 1,267; SJR: 0,705; Q1 (2021, Scopus Sources)] [M.kr.: N 010] [Indėlis: 0,200]
6. Navaruckiene, Aukse; Bridziuviene, Danguole; **Raudoniene, Vita**; Rainosalo, Egidija; Ostrauskaite, Jolita. Influence of vanillin acrylate-based resin composition on resin

photocuring kinetics and antimicrobial properties of the resulting polymers // Materials. Basel : MDPI. ISSN 1996-1944. 2021, vol. 14, iss. 3, art. no. 653, p. 1-20. DOI: 10.3390/ma14030653. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 3,748; AIF: 6,225; IF/AIF: 0,602; Q1 (2021, InCites JCR SCIE)] [CiteScore: 4,70; SNIP: 1,137; SJR: 0,604; Q2 (2021, Scopus Sources)] [M.kr.: T 005, N 010] [Indėlis: 0,200]

7. 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]
8. Jefanova, Olga; Baužienė, Ieva; Lujanienė, Galina; Švedienė, Jurgita; **Raudonienė, Vita**; Bridžiuvienė, Danguolė; Paškevičius, Algimantas; Levinskaitė, Loreta; Žvirgždas, Jonas; Petrošius, Rimantas; Skuratovič,
9. 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: 0,951; SJR: 0,590; Q2 (2020, Scopus Sources)] [M.kr.: N 005, N 002] [Indėlis: 0,083]
10. Navaruckiene, Auksė; Skliutas, Edvinas; Kasetaite, Sigita; Rekštytė, Sima; **Raudonienė, Vita**; Bridžiuvienė, Danguolė; Malinauskas, Mangirdas; Ostrauskaite, Jolita. Vanillin acrylate-based resins for optical 3D printing // Polymers. Basel : MDPI. ISSN 2073-4360. 2020, vol. 12, iss. 2, art. no. 397, p. 1-14. DOI: 10.3390/polym12020397. [Science Citation Index Expanded (Web of Science); Scopus; DOAJ] [IF: 4,329; AIF: 4,658; IF/AIF: 0,929; Q1 (2020, InCites JCR SCIE)] [CiteScore: 4,70; SNIP: 1,194; SJR: 0,770; Q1 (2020, Scopus Sources)] [M.kr.: N 010, T 008, T 005] [Indėlis: 0,125]
11. **Raudonienė, Vita**; Bridžiuvienė, Danguolė; Malachovskienė, Eglė; Levinskaitė, Loreta. Biodegradation of woodt reated with copper based preservative by two Dematiaceous fungi: Alternaria tenuissima and Ulocladium consortiale // Materials science-Medziagotyra. Kaunas : KTU. ISSN 1392-1320. eISSN 2029-7289. 2019, vol. 25, iss. 3, p. 309-315. DOI: 10.5755/j01.ms.25.3.20563. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 0,625; AIF: 5,274; IF/AIF: 0,118; Q4 (2019, InCites JCR SCIE)] [CiteScore: 0,90; SNIP: 0,322; SJR: 0,169; Q3 (2019, Scopus Sources)] [M.kr.: N 010, N 013] [Indėlis: 0,250]
12. Ložienė, Kristina; Švedienė, Jurgita; Paškevičius, Algimantas; **Raudonienė, Vita**; Sytuar, Oksana; Kosyan, Anatoliy. 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: 4,50; SNIP: 1,386; SJR: 0,767; Q2 (2018, Scopus Sources)] [M.kr.: N 003, M 003] [Indėlis: 0,166]

13. 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: 2,70; SNIP: 0,808; SJR: 0,656; Q1 (2015, Scopus Sources)] [M.kr.: T 004] [Indėlis: 0,125]
14. 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: 0,50; SNIP: 0,401; SJR: 0,217; Q4 (2015, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,166]
15. Mačaitis, Kęstutis; Misevičius, Antonas; Paškevičius, Algimantas; **Raudonienė, Vita**; Repečkienė, Jūratė. 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. [Science Citation Index Expanded (Web of Science); Scopus; Environment Index] [IF: 0,623; AIF: 2,954; IF/AIF: 0,210; Q4 (2014, InCites JCR SCIE)] [CiteScore: 1,20; SNIP: 0,495; SJR: 0,244; Q3 (2014, Scopus Sources)] [M.kr.: T 004, N 010] [Indėlis: 0,200]
16. Repečkienė, Jūratė; Levinskaitė, Loreta; Paškevičius, Algimantas; **Raudonienė, Vita**. 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. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 0,712; AIF: 1,258; IF/AIF: 0,565; Q3 (2013, InCites JCR SCIE)] [CiteScore: 1,00; SNIP: 0,586; SJR: 0,303; Q2 (2013, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,250]
17. Bridžiuvienė, Danguolė; **Raudonienė, Vita**. Fungi surviving on treated wood and some of their physiological properties // Medžiagotyra. ISSN 1392-1320. 2013, Vol. 19, no. 1, p. 43-50. DOI: 10.5755/j01.ms.19.1.3824. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 0,455; AIF: 3,535; IF/AIF: 0,128; Q4 (2013, InCites JCR SCIE)] [CiteScore: 1,00; SNIP: 0,626; SJR: 0,296; Q3 (2013, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,500]
18. Varnaitė, Regina; **Raudonienė, Vita**; Bridžiuvienė, Danguolė. Enzymatic biodegradation of lignin-cellulose complex in plant origin material // Medžiagotyra. ISSN 1392-1320. 2011, Vol. 17, no.1, p. 99-403. [Science Citation Index Expanded (Web of Science); Scopus; INSPEC] [IF: 0,492; AIF: 3,107; IF/AIF: 0,158; Q4 (2011, InCites JCR SCIE)] [CiteScore: 0,70; SNIP: 0,386; SJR: 0,221; Q3 (2011, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,333]
19. Varnaitė, Regina; **Raudonienė, Vita**. Enzymatic lignin degradation in rye straw by micromycetes // International biodeterioration & biodegradation. ISSN 0964-8305. 2005, Vol. 56, iss. 3, p. 192-195. DOI: 10.1016/j.ibiod. 2005.08.002. [Science Citation Index Expanded (Web of Science); Scopus; Embase] [IF: 1,209; AIF: 2,290; IF/AIF: 0,527; Q2 (2005, InCites JCR SCIE)] [SNIP: 1,126; SJR: 0,563 (2005, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,500]

20. Lugauskas, Albinas; **Raudonienė, Vita**; Šveistytė, Laima. Toxin producing micromycetes on imported products of plant origin // Annals of agricultural and environmental medicine. ISSN 1232-1966. 2005, Vol. 12, iss. 1, p. 109-118. [Science Citation Index Expanded (Web of Science); Scopus; Embase] [IF: 1,051; AIF: 1,949; IF/AIF: 0,539; Q3 (2005, InCites JCR SCIE)] [SNIP: 1,145; SJR: 0,539 (2005, Scopus Sources)] [M.kr.: N 010] [Indėlis: 0,333]
21. Varnaitė, Regina; **Raudonienė, Vita**. Bioconversion of straw waste by micromycetes // Mikologiya i fitopatologiya. ISSN 0026-3648. 2004, Vol. 38, iss. 6, p. 80-83. [Science Citation Index Expanded (Web of Science)] [IF: 0,080; AIF: 1,129; IF/AIF: 0,070; Q4 (2004, InCites JCR SCIE)] [SNIP: 0,214; SJR: 0,122 (2004, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,500]

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

1. Andziukevičiūtė-Jankūnienė, Akvilė; Danisevičienė, Indrė; **Raudonienė, Vita**; Paškevičius, Algimantas; Jankauskaitė, Virginija. Antimicrobial polymer coatings creation and investigation // International young researchers conference "Industrial engineering 2020" notification material Kaunas : KTU. ISSN 2538-6727. 2020, p. 7-14. DOI: 10.5755/e01.2538-6727.2020. [M.kr.: T 008] [Indėlis: 0,200] [Indėlis autoriniais lankais: 0,114]
2. **Raudonienė, Vita**; Bridžiuvienė, Danguolė; Švedienė, Jurgita; Paškevičius, Algimantas. Efficiency of disinfectants in the improvement of the sanitary condition of the premises // Human and Nature Safety 2016: 2016 m. May 4-6 d., Kaunas. Kaunas : Akademija. ISSN 1822-1823. 2016, p. 55-58. [M.kr.: N 013] [Indėlis: 0,250] [Indėlis autoriniais lankais: 0,072]
3. Švedienė, Jurgita; **Raudonienė, Vita**; Bridžiuvienė, Danguolė; Paškevičius, Algimantas. Evaluation of fungicidal properties of essential oils // 19th International Scientific-Practical Conference “Human and Nature Safety 2013”. Kaunas-Akademija. 2013, p. 137-139. [M.kr.: N 010] [Indėlis: 0,250]
4. Jankauskienė, Zofija; Lugauskas, Albinas; Repečkienė, Jūratė; **Raudonienė, Vita**. Nev means to effect on flax dew-retting // 3rd international conference on textile biotechnology : book of abstracts, Graz, Austria, 2004 June 13-16. Graz. 2004, p. 52. [M.kr.: A 001] [Indėlis: 0,250] [Indėlis autoriniais lankais: 0,018]

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

1. 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: 0,30; SNIP: 0,201; SJR: 0,158; Q4 (2014, Scopus Sources)] [M.kr.: N 012] [Indėlis: 0,166]
2. Varnaitė, Regina; **Raudonienė, Vita**. Fermentative lignin degradation in rye straw by different combinations of micromycetes // Микология и фитопатология. ISSN 0026-3648. 2008, T. 42, вып. 2, p. 167-172. [Scopus; Zoological Record; Biological Abstracts] [SNIP: 0,087; SJR: 0,115 (2008, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,500]

3. Varnaitė, Regina; **Raudonienė, Vita**. Biodegradation of plant waste by micromycetes // Микология и фитопатология. ISSN 0026-3648. 2003, T. 37, вып. 2, p. 49-52. [CAB Abstracts] [SNIP: 0,217; SJR: 0,124 (2003, Scopus Sources)] [M.kr.: N 013] [Indėlis: 0,500]

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

1. **Raudonienė, Vita**; Sakalauskas, Simonas; Lugauskas, Albinas. Mycological condition of the imported plant raw material // A glimpse into the world of microorganisms: a tool for science education. Vilnius, 2007. ISBN 9789986036111. p. 126-132. [M.kr.: N 012] [Indėlis: 0,334]
2. Varnaitė, Regina; **Raudonienė, Vita**. Physiological characteristics of micromycetes degrading the lignin-cellulose complex // A glimpse into the world of microorganisms: a tool for science education.. Vilnius, 2007. ISBN 9789986036111. P. 154-160. [M.kr.: N 010] [Indėlis: 0,500]
3. Varnaitė, Regina; Paškevičius, Algimantas; **Raudonienė, Vita**. The influence of disinfectants on the growth of microorganisms // Laboratory medicine. Vilnius : Lithuanian Society of Laboratory Medicine. ISSN 1392-6470. 2006, Nr. 4, p. 10-14. [M.kr.: N 010] [Indėlis: 0,333]

Reviewed scientific articles, published in Lithuania:

1. Sendžikaitė, Ieva; Čižeikienė, Dalia; **Raudonienė, Vita**; Paškevičius, Algimantas. The activity study of fungal cellulases isolated from the natural environment // Agricultural sciences. Vilnius : Academia. ISSN 1392-0200. eISSN 2424-4120. 2018, t. 25, Nr. 4, p. 198-204. DOI: 10.6001/zemesukiomokslai.v25i4.3870. [Index Copernicus; CAB Abstracts] [M.kr.: T 005] [Indėlis: 0,250]
2. Čižeikienė, Dalia; Prakopavičiūtė, Laura; Paškevičius, Algimantas; **Raudonienė, Vita**. Properties of xylanases and possibilities of their immobilization in sodium alginate // Agricultural sciences. Vilnius : Academia. ISSN 1392-0200. eISSN 2424-4120. 2018, t. 25, Nr. 3, p. 159-167. DOI: 10.6001/zemesukiomokslai.v25i3.3799. [Index Copernicus; CAB Abstracts] [M.kr.: T 005] [Indėlis: 0,250]
3. **Raudonienė, Vita**; Varnaitė, Regina. Effect of Ni2+ on phenoloxidase activity of micromycetes // Ecology. ISSN 0235-7224. 2009, Vol. 55, no. 3-4, p. 175-181. DOI: 10.2478/v10055-009-0021-9. [Zoological Record; ASFA: Aquatic Sciences and Fisheries Abstracts; Environment Complete] [M.kr.: N 013] [Indėlis: 0,500]
4. Varnaitė, Regina; **Raudonienė, Vita**. The effect of disinfectants and detergents on the growth of microorganisms // Laboratory medicine. ISSN 1392-6470. 2009, T. 11, Nr. 1, p. 7-11. [Index Copernicus] [M.kr.: M 001] [Indėlis: 0,500]
5. Varnaitė, Regina; **Raudonienė, Vita**. Destruction of hemmicellulose by micromycetes under liquid-phase cultivation conditions // Botanica Lithuanica. ISSN 1392-1665. 2009, T. 15, Nr.1, p. 47-51. [VINITI; Biological Abstracts; TOC Premier] [M.kr.: N 013] [Indėlis: 0,500]
6. Varnaitė, Regina; **Raudonienė, Vita**. Lignin degradation in plant remnants under liquid-phase fermentation conditions // Biology. ISSN 1392-0146. 2008, Nr. 3, p. 183-186. [Zoological Record; VINITI; TOC Premier] [M.kr.: N 010] [Indėlis: 0,500]
7. Varnaitė, Regina; **Raudonienė, Vita**. Destruction of hemicellulose in rye straw by micromycetes // Ecology. ISSN 0235-7224. 2008, Vol. 54, no. 3, p. 169-172. DOI: 10.2478/v10055-008-0026-9. [Zoological Record; ASFA: Aquatic Sciences and Fisheries

Abstracts; CSA Environmental Sciences & Pollution Management Database] [M.kr.: N 013] [Indėlis: 0,500]

8. Varnaitė, Regina; Paškevičius, Algimantas; **Raudonienė, Vita**. Cellulose degradation in rye straw by micromycetes and their complexes // Ecology. ISSN 0235-7224. 2008, Vol. 54, no. 1, p. 29-31. [Zoological Record; ASFA: Aquatic Sciences and Fisheries Abstracts; Environment Complete] [M.kr.: N 012] [Indėlis: 0,333]
9. Varnaitė, Regina; **Raudonienė, Vita**; Lugauskas, Albinas. Chromatographic characteristics of secondary metabolites of micromycetes detected on vegetables and grains // Ecology. ISSN 0235-7224. 2006, Nr. 3, p. 48-53. [Zoological Record; ASFA: Aquatic Sciences and Fisheries Abstracts; VINITI] [M.kr.: N 013] [Indėlis: 0,333]
10. Lugauskas, Albinas; **Raudonienė, Vita**; Varnaitė, Regina; Dirginčiutė-Volodkienė, Vaidilutė; Baliukonienė, Violeta; Bakutis, Bronius. Ecological and sanitary significance of micromycetes brought from abroad with various foodstuffs of floral origin // Ecology. ISSN 0235-7224. 2006, Nr. 3, p. 28-41. [Zoological Record; ASFA: Aquatic Sciences and Fisheries Abstracts; VINITI] [M.kr.: N 013] [Indėlis: 0,166]
11. Lugauskas, Albinas; Levinskaitė, Loreta; Mačkinaitė, Rimutė; **Raudonienė, Vita**; Railienė, Marija; Raila, Algirdas. Ecological and technological factors influencing the distribution of toxin producing micromycetes on oats and their products // Ecology. ISSN 0235-7224. 2006, Nr. 3, p. 112-121. [ASFA: Aquatic Sciences and Fisheries Abstracts; VINITI; Zoological Record] [M.kr.: N 013, T 005] [Indėlis: 0,166]
12. Lugauskas, Albinas; Repečkienė, Jūratė; Levinskaitė, Loreta; Kačergius, Audrius; **Raudonienė, Vita**. Micromycetes as toxin producers detected on raw material of plant origin grown under various conditions in Lithuania // Ecology. ISSN 0235-7224. 2006, Nr. 3, p. 1-13. [Zoological Record; ASFA: Aquatic Sciences and Fisheries Abstracts; VINITI] [M.kr.: N 013] [Indėlis: 0,200]
13. Varnaitė, Regina; **Raudonienė, Vita**. Chromatographic characteristics of secondary metabolites of micromycetes detected on grain // Botanica Lithuanica. ISSN 1392-1665. 2005, Suppl. 7, p. 77-82. [VINITI; CAB Abstracts] [M.kr.: N 013] [Indėlis: 0,500]
14. Railienė, Marija; Raila, Algirdas Jonas; Zvicevičius, Egidijus; Steponavičienė, Aušra; Lugauskas, Albinas; Levinskaitė, Loreta; **Raudonienė, Vita**. Evaluation of the Impact of Grain Processing Technology Upon Distribution of Toxic Micromycetes // Botanica Lithuanica. ISSN 1392-1665. 2005, suppl. 7, p. 105-113. [VINITI; CAB Abstracts] [M.kr.: N 013] [Indėlis: 0,142]
15. **Raudonienė, Vita**; Lugauskas, Albinas. Micromycetes on imported fruit and vegetables // Botanica Lithuanica. ISSN 1392-1665. 2005, Suppl. 7, p. 55-64. [VINITI; CAB Abstracts] [M.kr.: N 013] [Indėlis: 0,500]
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17. **Raudonienė, Vita**; Varnaitė, Regina. The influence of Fe^{3+} on phenoloxidase activity of micromycetes // Ecology. ISSN 0235-7224. 2004, Nr. 4, p. 6-12. [Zoological Record; Environment Complete; Biological Sciences Database] [M.kr.: N 013] [Indėlis: 0,500]

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2020–2021 Project leader. The project "Effect of tannin-accumulating plants of the Ericaceae family on the causative agents of periodontitis" is financed by EU structural funds under measure no. 09.3.3-LMT-K-712.

2013–2015 Implementer of this project. Applied research and technological development of plate type air treatment biofilter with a capillary humidification system for packing material “BIOFILTER”. This project is supported and co-funded by the European Union and the Republic of Lithuania.

2013–2015 Implementer of this project. Selection and creation of the bioaccelerants for biogas generation and their use for the control of biomass conversion processes “BIOKONVERSA”. This project is supported and co-funded by the European Union and the Republic of Lithuania.

2012–2014 Implementer of this project. Enhanced chitinbased biosorbents for drinking water purification “CHITOCLEAN”. EU Structural Funds.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Navaruckiene, A.; Jaras, J.; Bridziuviene, D.; **Raudoniene, V**.; Rainosalo, E.; Ostrauskaite, J. Antimicrobial shape memory vanillin-based polymers // Baltic polymer symposium 2022, Tallinn, Estonia, September 21–23, 2022: programme and abstracts. Tallinn : Tallinn university of technology. 2022, p. 62. [M.kr.: N 010, T 005]
2. Navaruckienė, Auksė; Jaras, Justinas; Bridziuviene, Danguole; **Raudoniene, Vita**; Rainosalo, Egidija; Ostrauskaitė, Jolita. Vanillin acrylate-based antimicrobial shape memory polymers // Polymers 2022 - New trends in polymer science: health of the planet, health of the people, Turin, Italy, 25 – 27 May 2022: book of abstracts. Basel : MDPI. 2022, A.20, p. 96-97. [M.kr.: N 010, T 005]
3. Navaruckienė, Auksė; Jaras, Justinas; Bridžiuvienė, Danguolė; **Raudonienė, Vita**; Ostrauskaitė, Jolita. Vanillin acrylate-based polymers with antibacterial activity // Chemistry and chemical technology: 16th international conference of Lithuanian chemical society, 24 September 2021, Vilnius, Lithuania: book of abstracts. Vilnius : National center for physical sciences and technology. 2021, P111, p. 125. [M.kr.: T 005]
4. Navaruckiene, Aukse; Bridziuviene, Danguole; **Raudoniene, Vita**; Rainosalo, Egidija; Ostrauskaite, Jolita. Photorheometric study of vanillin acrylate-based resins and antimicrobial properties of polymers // Proceedings of the green chemistry postgraduate summer school (online/in-person), 4-9 July 2021, Venice, Italy: collection of abstracts / P. Tundo, F. Aricò, A. Visa and M. Hojamberdiev (eds.). Venice : GSSD foundation, 2021. ISBN 9788894553703. p. 183. [M.kr.: N 013, T 005]
5. Navaruckiene, Aukse; Bridziuviene, Danguole; **Raudoniene, Vita**; Rainosalo, Egidija; Ostrauskaite, Jolita. Vanillin acrylate-based photocross-linked polymers: synthesis and investigation of properties // Poly-Char Venice international polymer characterization forum, April 12-14, 2021, Zoom platform: book of abstracts. [Venezia] : [IUPAC Polymer division]. 2021, P-2, p. 122. [M.kr.: T 005]
6. Navaruckiene, Aukse; Bridziuviene, Danguole; **Raudoniene, Vita**; Ostrauskaite, Jolita. Vanillin acrylate-based polymers: influence of resin composition to photocuring kinetics

and properties of the resulting polymers // Open readings 2021: 64th international conference for students of physics and natural sciences, March 16-19, Vilnius, LIthuania: abstract book / editors: Š. Mickus, R. Platakytė, S. Pūkienė. Vilnius : Vilnius university press, 2021, P3-13. ISBN 9786090705902. p. 232. [M.kr.: T 005]

7. Jankauskaitė, V.; Danisevičienė, I.; Andziukevičiūtė-Jankūnienė, A.; **Raudonienė, Vita**; Paškevičius, Algimantas. Polyvinyl butyral films with antimicrobial activity : poster presentation // Baltic polymer symposium 2019, Vilnius, Lithuania, September 18-20, 2019: programme and proceedings. [Vilnius] : [s.n.]. 2019, p. 96. [M.kr.: T 008]
8. 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. [M.kr.: N 012, N 002]
9. Sendzikaite, Ieva; Cizeikiene, Dalia; Ragauskaite, Egle; **Raudoniene, Vita**; Paskevicius, Algimantas. Cellulase activity produced by newly isolated fungi // FoodBalt – 2018: 12th Baltic conference on food science 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, PP35. eISBN 9786090214626. p. 89. [M.kr.: T 005]
10. 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. [M.kr.: N 010]
11. 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. [M.kr.: 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 // „ Human and Nature Safety'': 22nd International Scientific-Practical Conference "_Human and Nature Safety 2016" : 2016 m. May 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. Evaluation of fungicidal properties of essential oils // 19th international scientific-practical conference "Man and nature safety 2013". 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:

Simonas Master thesis: „Micromycetes of Trichoderma spp. – 2018 – 2019

Dapkus	biodegradants of plant origin material and physiological properties“ (VGTU, Bioengineering study programme)

OTHERS

Science festival "Spaceship Earth 2019" in 2019 September 20, Nature Research Center.