

Marija Žukovskienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2012 – 2018 Vilnius University and Nature Research Center, Lithuania. **PhD, Biomedicine. Ecology and Environmental science**

2010 – 2012 Mykolas Romeris University, Lithuania. **MSc, Environment Protection Policy and Administration**

2006 – 2010 Vilnius Gediminas Technical University, Lithuania. **BSc, Environmental Engineering. Environmental Management**

PROFESSIONAL EXPERIENCE

From 2019 Researcher. Nature Research Centre

2019 – 2020 Environmental specialist. Lithuanian Fund for Nature

2016 – 2017 Engineer. Nature Research Centre

2013 – 2016 Technician. Institute of Geology and Geography

RESEARCH INTERESTS

Dendrochronology, paleontology, ecology, latest scientific technologies, applied research on biodiversity adaptation mechanisms, environmental protection, sustainable development, impact of climate change on public health.

PUBLICATIONS

Journals listed in Web of Science database with citation index:

1. Valainis, Uldis; Balalaikins, Maksims; Soms, Juris; Bastytė-Cseh, Dalia; Gintaras, Alvydas; Banelienė, Adelė; Augutis, Danas; Žukovskienė, Marija; Nitcis, Māris; Zolovs, Maksims. Ecological network for species dependent on ancient broadleaf trees using *Osmoderma barnabita* as a model species: a new approach // Insect conservation and diversity. Hoboken : Wiley. ISSN 1752-458X. eISSN 1752-4598. 2022, vol. 15, iss. 2, p. 273-287. DOI:

- [10.1111/icad.12554](https://doi.org/10.1111/icad.12554). [Science Citation Index Expanded (Web of Science); Scopus; Wiley Online Library] [IF: 4,266; AIF: 2,496; IF/AIF: 1,709; Q1 (2021, InCites JCR SCIE)] [CiteScore: 6,20; SNIP: 1,398; SJR: 1,182; Q1 (2021, Scopus Sources)] [S.fld.: N 012] [Contribution: 0,100]
2. Taminskas, Julius; Edvardsson, Johannes; Linkevičienė, Rita; Stoffel, Markus; Corona, Christophe; Tamkevičiūtė, Marija. Combining multiple proxies to investigate water table fluctuations in wetlands: a case study from the Rėkyva wetland complex, Lithuania // *Palaeogeography, palaeoclimatology, palaeoecology*. Amsterdam : Elsevier BV. ISSN 0031-0182. 2019, vol. 514, p. 453-463. DOI: 10.1016/j.palaeo.2018.11.004. [Science Citation Index Expanded (Web of Science); Scopus] [IF: 2,833; AIF: 2,676; IF/AIF: 1,058; Q1 (2019, InCites JCR SCIE)] [CiteScore: 5,10; SNIP: 1,187; SJR: 1,335; Q1 (2019, Scopus Sources)] [S.fld.: N 005, N 006] [Contribution: 0,166]
 3. Edvardsson, Johannes; Baužienė, Ieva; Lamentowicz, Mariusz; Šimanauskienė, Rasa; Tamkevičiūtė, Marija; Taminskas, Julius; Linkevičienė, Rita; Skuratovič, Žana; Corona, Christophe; Stoffel, Markus. A multi-proxy reconstruction of moisture dynamics in a peatland ecosystem: A case study from Cepkeliai, Lithuania // *Ecological indicators*. Amsterdam : Elsevier. ISSN 1470-160X. eISSN 1872-7034. 2019, vol. 106, UNSP 105484, p. [1-12]. DOI: 10.1016/j.ecolind.2019.105484. [Science Citation Index Expanded (Web of Science); Scopus; BIOSIS Previews; ScienceDirect] [IF: 4,229; AIF: 4,313; IF/AIF: 0,980; Q1 (2019, InCites JCR SCIE)] [CiteScore: 7,60; SNIP: 1,736; SJR: 1,331; Q1 (2019, Scopus Sources)] [S.fld.: N 012, N 005] [Contribution: 0,100]
 4. Taminskas, Julius; Linkevičienė, Rita; Šimanauskienė, Rasa; Jukna, Laurynas; Kibirkštis, Gintautas; Tamkevičiūtė, Marija. Climate change and water table fluctuation: Implications for raised bog surface variability // *Geomorphology*. Amsterdam : Elsevier Science BV. ISSN 0169-555X. eISSN 1872-695X. 2018, Vol. 304, p. 40-49. DOI: 10.1016/j.geomorph.2017.12.026. [Science Citation Index Expanded (Web of Science); Scopus; Current Contents; GeoRef] [IF: 3,681; AIF: 3,032; IF/AIF: 1,214; Q1 (2018, InCites JCR SCIE)] [CiteScore: 6,70; SNIP: 1,598; SJR: 1,454; Q1 (2018, Scopus Sources)] [S.fld.: N 006] [Contribution: 0,166]
 5. Tamkevičiūtė, Marija; Edvardsson, Johannes; Pukienė, Rūtilė; Taminskas, Julius; Stoffel, Markus; Corona, Christophe; Kibirkštis, Gintautas. Scots pine (*Pinus sylvestris* L.) based reconstruction of 130 years of water table fluctuations in a peatland and its relevance for moisture variability assessments // *Journal of hydrology*. Amsterdam : Elsevier B.V. ISSN 0022-1694. 2018, vol. 558, p. 509-519. DOI: 10.1016/j.jhydrol.2018.01.067. [Science Citation Index Expanded (Web of Science); Scopus; ScienceDirect] [IF: 4,405; AIF: 2,782; IF/AIF: 1,583; Q1 (2018, InCites JCR SCIE)] [CiteScore: 7,20; SNIP: 1,961; SJR: 1,830; Q1 (2018, Scopus Sources)] [S.fld.: N 005] [Contribution: 0,148]
 6. Shah, Santosh K.; Touchan, Ramzi; Babushkina, Elena; Shishov, Vladimir V.; Meko, David M.; Abramenko, Olga V.; Belokopytova, Liliana V.; Hordo, Maris; Jevšenak, Jernej; Kędziora, Wojciech; Kostyakova, Tatiana V.; Moskwa, Agnieszka; Oleksiak, Zbigniew; Omurova, Gulzar; Ovchinnikov, Svjatoslav; Sadeghpour, Mahsa; Saikia, Anup; Zsewastynowicz, Łukasz; Sidenko, Tatiana; Strantsov, Argo; Tamkevičiūtė, Marija; Tomusiak, Robert; Tychkov, Ivan. August to July precipitation from tree rings in the forest-steppe zone of Central Siberia (Russia) // *Tree-ring research*. Tucson : University of Arizona. ISSN 1536-1098. eISSN 2162-4585. 2015, vol. 71, iss. 1, p. 37-44. DOI: 10.3959/1536-1098-71.1.37. [Science Citation Index Expanded (Web of Science); Scopus]

- [IF: 2,565; AIF: 1,634; IF/AIF: 1,569; Q1 (2015, InCites JCR SCIE)] [CiteScore: 2,70; SNIP: 0,972; SJR: 0,993; Q1 (2015, Scopus Sources)] [S.fld.: N 006] [Contribution: 0,043]
7. Dūdaitė, Jolita; Baltrėnaitė, Edita; Ūbeda, Xavier; Tamkevičiūtė, Marija. Temperature effects on the ash properties of pine and maple leaf litter : a laboratory study // Environmental engineering and management journal. Iasi : Gheorghe Asachi” Technical University of Iasi. ISSN 1582-9596. 2013, Vol. 12, no. 11, p. 2107-2116. [Science Citation Index Expanded (Web of Science); ProQuest/CSA] [IF: 1,258; AIF: 2,892; IF/AIF: 0,434; Q3 (2013, InCites JCR SCIE)] [CiteScore: 1,70; SNIP: 0,643; SJR: 0,306; Q2 (2013, Scopus Sources)] [S.fld.: N 005, T 004] [Contribution: 0,750]

Journals listed in other international databases:

1. Linkevičienė, Rita; Mažeika, Jonas; Baužienė, Ieva; Taminskas, Julius; Tamkevičiūtė, Marija; Rimkus, Egidijus. Klimato kaitos tyrimai : bendras Lietuvos ir Šveicarijos mokslinių tyrimų projektas // Geologijos akiračiai. Vilnius : Lietuvos geologų sąjunga. ISSN 1392-0006. 2015, Nr.2, p. 15-22. [GeoRef] [S.fld.: N 006] [Contribution: 0,166]
2. Tamkevičiūtė, Marija; Taminskas, Julius; Šmatas, Virmantas; Pukienė, Rutilė. Meteorologinių sąlygų poveikis didelės raiškos dendrometrais išmatuotam Pinus sylvestris kamieno apimties pokyčiui vegetacijos periodo pabaigoje // Mokslas - Lietuvos ateitis. ISSN 2029-2252. 2014, T. 6, Nr. 4. DOI: [10.3846/mla.2014.54](https://doi.org/10.3846/mla.2014.54). [Academic Search Complete; Index Copernicus] [S.fld.: N 005] [Contribution: 0,500]

Science dissemination and outreach publications

1. Tamkevičiūtė, Marija; Mikalauskiene, Renata. Kokios klimato kaitos paslaptys slypi durpynuose? // Žalioji pasaulis. ISSN 1392-2092. 2015, Nr.12 (kovo 26), p. 10. [S.fld.: 00]

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

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|-------------|---|
| 2017 – 2022 | <p>ECOLOGICAL NETWORK FOR OSMODERMA EREMITA AND OTHER SPECIES DEPENDENT ON VETERAN TREES (LIFE OSMODERMA) LIFE16 NAT/LT/000701. Project coordinator: Lithuanian Fund for Nature. Project partners: Lithuanian Zoological Garden (Lithuania), Lithuania Kauno miesto savivaldybė (Lithuania), Daugavpils University Nature Studies and Environmental Education Centre (Latvia).</p> <p><i>Environmental specialist.</i> Ecological network for Osmoderma eremita and other species dependent on deciduous veteran trees has been created during the project. https://www.osmoderma.lt/homepage</p> |
| 2013 – 2016 | <p>CLIMATE CHANGE IN PEATLANDS: HOLOCENE RECORD, RECENT TRENDS AND RELATED IMPACTS ON BIODIVERSITY AND SEQUESTERED CARBON (CLIMPEAT) CH-3-ŠMM-01/05. Projects leader: prof., habil. dr. Jonas Mažeika. Project partners: Nature Research Centre (the Leading Party), University of Bern, Institute for Geological Sciences and Vilnius University.</p> <p><i>Project implementer.</i> The tree-ring series compiled based on tree studies are used for the reconstruction of groundwater levels.</p> |

INTERNSHIP AND TRAINING

- 2015 m. 05 / 06 During the internship, acquired knowledge of Dendro/Climate chronological softwares (TSAP Win, COFECHA, ARSTAN, DendroClim). Conducted Dendrochronology research. University of Bern, Switzerland.
- 2014 m. 09 Environmental protection and ecology. Dendrochronology. Lugo, Spain. University of Santiago de Compostela.
- 2013 m. 08 "International Summer School: Tree Rings, Climate, Natural Resources and Human Interaction". Khakassian technical institute, Siberian Federal University.

PARTICIPATION IN SCIENTIFIC CONFERENCES

1. Tamkevičiūtė M., Pukienė R., Taminskas J., 2018. Impacts of hydrometeorological conditions in raised bogs on daily and seasonal radial stem dynamics in Scots pine (*Pinus sylvestris* L.). *BaltDendro*, 5–8 September 2018, Liškiava, Lithuania.
2. Linkevičienė R., Taminskas J., Tamkevičiūtė M., Šimanauskienė R., Edvardsson J., Corona C., Stoffel M., 2017. Reconstruction of long term water table fluctuations in Rėkyva wetland complex. LIFE + programme project "Recreation of Aukštumala raised bog in the Nemunas delta regional park (LIFE AUKSTUMALA LIFE12 NAT/LT/000965)", final seminar, 1–2 June 2017, Ventė, Lithuania.
3. Linkevičienė R., Taminskas J., Tamkevičiūtė M., Šimanauskienė R., Edvardsson J., Corona C., Stoffel M., 2017. *The International Conference on Conservation and Management of Priority Wetland Habitats*, 11–12 July 2017, Ryga, Latvia.
4. Tamkevičiūtė M., Pukienė R., Taminskas J., Edvardsson J., 2016. Scots pine (*Pinus sylvestris* L.) as a proxy for hydrological variability in peatlands: case study of Čepkeliai raised bog, south Lithuania. *BaltDendro2016*, 22–25 August, Klives Babites, Latvia.
5. Tamkevičiūtė M., Pukienė R., Edvardsson J., 2016. Scots pine as a proxy for meteorological variables: a case study of Čepkeliai raised bog, south Lithuania. *BaltDendro2016*, 22–25 August, Klives Babites, Latvia.
6. Tamkevičiūtė M., Taminskas J., Šmatas V., Pukienė R., 2014. Meteorologinių sąlygų poveikis didelės raiškos dendrometrais išmatuotam *Pinus sylvestris* kamieno apimties pokyčiui vegetacijos periodo pabaigoje [The impact of meteorological conditions on *Pinus sylvestris* radial stem changes measured by high-resolution dendrometer at the end of the vegetation period]. *17th Lithuanian Young Scientists Conference "Science – Future of Lithuania"*, 10 April 2014, Vilnius.
7. Tamkevičiūtė M., Pukienė R., Taminskas J., Šmatas V., 2014. Factors affecting daily variations of Scots pine stem size at the end of vegetation season. *EuroDendro2014*, 8–12 September, Lugo, Spain.
8. Edvardsson J., Leuschner H.H., Helama S., Corona Ch., Mažeika J., Taminskas J., Tamkevičiūtė M., Stoffel M., 2014. Subfossil bog pines as indicators of long-term palaeohydrology and climate change. *World Dendro2014*, 14–20 January, Melbourne, Australia.
9. Tamkevičiūtė M., 2013. Climate change and anthropogenic impact on the wetland water regime and habitat changes in Lithuania. *International summer school: Tree rings, climate, natural resources and human interaction*, 3–19 August 2013, Khakassia, Abakan.

COURSES

- 2014.05.05-23 „Web of Science duomenų bazė ir tarptautinių leidyklų reikalavimai autoriams“
All course content is focused on supporting research integrity and improving the quality of published research at the academy.
- 2013.08.03-19 "International Summer School: Tree Rings, Climate, Natural Resources and Human Interaction" Khakassian technical institute, Siberian Federal University (Abakan, Russia).
- 2011.10 „Environmental Management Systems and Certification“. The course describes the systematic review, or audit, of an activity in an organization, industry, or business to map environmental impact and resource use. The practicalities of ISO 14001 and EMAS certification are described. The course is organized within the framework of the Baltic University Programme, an international network of universities in the Baltic Sea region coordinated by Uppsala University, Sweden.
- 2009.04 „Socially Responsible Business and Technologies“. Lectures under the topic: Sustainability in Built Environment. Enhanced biological phosphorous removal in wastewater treatment. The water framework directive. Optimisation of energetic performance of central heating and cooling systems. Green business. Environmental policies for global economy. Air quality Modeling and Assessment. Calculation of big solar collectors for district heating plants. Energy from Biomass. Socio-cultural dynamics of a Lithuanian organization as it affects the environment. Facility management-supporting the sustainable planning, construction and operation of buildings. International Erasmus Week at Vilnius Gediminas Technical University. Vilnius, Lithuania.

SOCIAL ACTIVITIES

- 2012.02 – Member of the Public Environment Protection Commission of Vilnius City Council.
- 2012.12 – 2013.04 President of the Waters and Contaminated Sites Subcommittee of the Public Environment Protection Commission of Vilnius City Council.
- 2016.05 – The Chairperson of Vilnius Jeruzale microdistrict's "Jeruzale Community Center".

ADDITIONAL INFORMATION

Vilnius Justinas Vienožinskis Art School – December 2005, Lithuania.

Secondary Education – May 2006, Vilnius Mikalojus Dauksa Secondary School, Lithuania.

Computer Literacy Certificate (MS Office, Adobe Photoshop, Adobe Acrobat, AutoCAD, TSAPWin, ARSTAN, COFECHA);

Driving license (category B).