

# Ieva Baužienė

## CONTACT INFORMATION

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## EDUCATION AND ACADEMIC DEGREE

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1996 – 2000 Physical sciences (06 P, geography) PhD (Vilnius university and Institute of Geography).  
Title: “Formation and development of deluvial soils in hilly agro landscape of East Lithuania”, scientific guide – dr. A. Račinskas.  
Research area: soil geography

1993 – 1997 Moscow State university, soil science faculty, agro chemist

## PROFESSIONAL EXPERIENCE

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1993 – 2001 Assistant  
Institute of Geography, Vilnius

2002 – 2009 Researcher  
Institute of Geology and Geography

2010 – 2022 Researcher  
Nature Research Centre

## RESEARCH INTERESTS

Natural and human activity induced factors impact on soil features and organic carbon sequestration. Formation factors of organic soil horizons. Application limits of *Amoeba testacea* as biological indicator.

## PUBLICATIONS

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

1. 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. *J. Fungi* 2022, 8, 85. <https://doi.org/10.3390/jof8010085>
2. Raudonytė-Svirbutavičienė, E., Stakėnienė, R., Baužienė, I., Jokšas, K. 2021. Polycyclic aromatic hydrocarbons in various Lithuanian water bodies and a positive matrix factorization-based identification of pollution sources. *Baltica*, 34 (1), 17–26. Vilnius. ISSN 0067-3064.
3. Bautrėnas, A., Česnulevičius, A., Morkūnaitė, R., Bevainis, L., Kumetaitienė, A., Ovodas, D., Mačiulevičiūtė-Turlienė, N., Šutinienė, L., Karaliūnas, V., Baubiniienė, A., Baužienė, I. 2021. Investigation and mapping of the temporary dynamics of the highest Lithuanian outcrop using ground-based measurements and UAV imagery. *Baltica* 34 (1), 108–122. Vilnius. ISSN 0067-3064.

4. Jefanova O., **Baužienė I.**, Lujanienė G., Švedienė J., Raudonienė V., Bridžiuvienė D., Paškevičius A., Levinskaitė L., Žvirgždąs J., Petrošius R. Skuratovič Ž., Mažeika J. 2020. 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* 192:666 <https://doi.org/10.1007/s10661-020-08638-y>
5. Edvardsson J., **Baužienė I.**, Lamentowicz M., Šimanauskienė R., Takevičiūtė M., Taminskas J., Linkevičienė R., Skuratovič Ž., Corona Ch., Stoffel M. 2019. A multi-proxy reconstruction of moisture dynamics in a peatland ecosystem: A case study from Čepkeliai, Lithuania. *Ecological Indicators*, 106. – ISSN 1470-160X. – DOI:10.1016/j.ecolind.2019.105484

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

Vaisvalavičius, Rimantas; Zaikauskienė, Dalia; Vaisvalavičienė, Kristina; Gregorauskienė, Virgilija; Baužienė, Ieva; Kudirkienė, Lilija. *Soil Proverbs in Lithuania // Global Soil Proverbs: Cultural Language of the Soil / Ed.: Jae E. Yang, M. B. Kirkham, Rattan Lal, Sigbert Huber. Stuttgart:CATENA soil sciences, 2018. ISBN 9783510654314. p. 153–158.*

***Reviewed scientific articles, published in Lithuania:***

**PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS**

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2003-2022	„Monitoring of soil, ground and surface water and soil features by ICP program“, Lithuanian Environment Agency
2012-2016	“Climate Change in Peatlands: Holocene Record, Recent Trends and Related Impacts on Biodiversity and Sequestered Carbon” (CLIMPEAT)“, Swiss-Lithuanian collaboration project
2010-2014	„Lithuanian ecosystems: climate change and human impact“, Lithuanian Science Program
2002–2003	„Transformation of natural environment in Lithuanian Cities“, Lithuanian Science Program

**PARTICIPATION IN SCIENTIFIC CONFERENCES**

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***International scientific conferences:***

1. Baužienė I., Jefanova O., Petrošius R., Mažeika J., Švedienė J., Raudonienė V., Bridžiuvienė D., Paškevičius A., Levinskaitė L. Prediction of <sup>137</sup>Cs retention by forest Arenosol, Abstracts of 5th International Symposium of Soil Physics, Kėdainiai, 2022.
2. **Baužienė I.**, Mažeika J., Mikalauskiene R., Lamentowicz, M. The influence of water level change on results peat dating in the proximal part of Čepkeliai bog, Lithuania, DANTE

(*Dating the Anthropocene in Environmental Archives: Bridging the gap between  $^{210}\text{Pb}$  and radiocarbon age dating*) workshop. 19-21 October 2016. Toulouse, France.

***National scientific conferences:***

1. **Baužienė I.**, Augustaitis, A., Pivoras G., Dirvožemio, gruntinio ir upelio vandens savybių stebėsenos pagal ICP-Forests programą 25 metų rezultatai: klimato kaitos poveikis miško smėlžemiui ir ekosistemai Results of Soil, Ground and Runoff Water Monitoring according to ICP-Forests Program in 25 Years: Climate Change Impact to Forest Arenosol and Ecosystem. Stendinis pranešimas konferencijoje May 2020, Vilnius University Proceedings DOI: <https://doi.org/10.15388/Klimatokaita.2020.41>
2. **Baužienė I.** Miško ekosistemų smėlžemių kiaučiuotųjų amebų įvairovė ir aplinkos veiksniai, *Augalų šaknys: biologija, morfologija ir funkcijos*, 2018 m. gegužės 11 d. Kaunas ASU
3. **Baužienė I.** Lietuvos pelkės ir durpynai: sąvokos, paplitimo dėsniumai ir moksliniai tyrimai, *Mokslas ir aplinka-2016*, 2016 m. balandžio 8 d. Agroekosistemų ir dirvožemio mokslų institutas Studentų g. 11, Akademija.

**OTHER**

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Ieva Baužienė. The research of shelled amoebas for ecosystems status assessments. Geological horizons (Geologijos akiračiai) 2019 Nr.3-4. P. 17–22.