

Valentinas Baltrūnas

CONTACT INFORMATION

Address Akademijos Str. 2, Vilnius LT-08412, Lithuania
Tel. no.: +370 5 210 47 00
E-mail: valentinas.baltrunas@gamtc.lt
ORCID iD 0000-0002-9504-1416
www.researchgate.net/profile/Valentinas-Baltrunas

EDUCATION AND ACADEMIC DEGREE

1970 - graduated from Vilnius University, obtaining a specialist diploma of geological mapping and mineral exploration.

1977 - defended candidate of sciences (now doctor) thesis "Quaternary sediment structure and paleogeomorphology of interglacials".

1998 - on the basis of the monograph "Pleistocene Stratigraphy and Correlation" (1995) he defended his habilitation doctoral degree.

PROFESSIONAL EXPERIENCE

1970-1980 - worked in Lithuanian Geological Survey as a geologist (1971–1973) and senior geologist (1973–1980) at geological mapping division. 1973–1977 - continued studies as extramural doctor student at the Institute of Geology.

1980–1989 - was a leader and organizer of Lithuanian drill core revision, storage and boulder exposition creation works in Vievis repository.

1988–1991 - worked at the Institute of Geology as a head of the department of Eco-geology.

1991–2001 - director of the Institute of Geology. Simultaneously he worked at the Department of Quaternary geology and mineral resources and during the period from 1992 to 1994 was the head of this department. 1996-2000 - chairman of the board of the National Scientific Programme "Evolution of Earth and Forecast of its Resources Changes in Lithuania" ("Lithosphere").

2001-2002 – head of the department of Institute of Geology, chief researcher, chairman of the scientific council.

2002-2010 – chief researcher at the Department of Quaternary research of the Institute of Geology and geography, project leader, member of the scientific council, 2008-2009 - chairman of the scientific council.

2010–2015 – researcher of the laboratory of Quaternary Research at the Institute of Geology and geography of Nature Research Centre, project leader, member of the scientific council, deputy chairman.

2003–2016 - was lecturing at the Lithuanian University of Educational sciences as a professor of the department of Geography and Tourism. 2004–2007 was a lecturer of Vilnius University, faculty of Natural sciences, Department of hydrogeology and engineer geology. 2009-2011 – lecturer at Vytautas Magnus University, Faculty of Natural sciences.

RESEARCH INTERESTS

Quaternary geology (structure, stratigraphy, palaeogeography), glacial sedimentology (composition of glacial till, subglacial process), environmental geology (eco-geological mapping, investigations of geoheritage), history of geoscience.

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index) (2019-2022):

Baltrūnas V., Karmaza B., Pukelytė V., Karmazienė D. 2019. Pleistocene architecture and stratigraphy in the contact zone of ice streams and lobes in the south-eastern part of the Baltic Region. *Quaternary International*, 501, 21-32.

Baltrūnas V., Karmaza B., Katinas V., Pukelytė V., Karmazienė D., Lozovskis S. 2020. Till macro- and microfabrics of mega-scale glacial lineations of Mūša–Nemunėlis Lowland, north Lithuania. *Baltica*, 33 (1), 85–96.

Baltrūnas V., Slavinskienė G., Karmaza B., Pukelytė V. 2020. Effectiveness of a modern landfill liner system in controlling groundwater quality of an open hydrogeological system, SE Lithuania. *Journal of Environmental Engineering and Landscape Management*, 28(4), 174-182.

Šeirienė V., Karabanov A., **Baltrūnas V.**, Karmaza B., Katinas V., Pukelytė V., Rylova T., Demidova S., 2021. Correlation of Eemian sections in Lithuania and Belarus based on palaeomagnetic, radioisotope and palaeobotanic data. *Geological Quarterly*, 65 (3), 1-10, 65: 46, doi: 10.7306/gq.1615.

Pukelytė V., **Baltrūnas V.**, Karmaza B. 2022. Geoheritage as a source and carrier of culture, Lithuania. *Geoheritage*, 14, iss. 1, art. no. 8, 1–15. doi: 10.1007/s12371-021-00644-x.

INTERNSHIP AND TRAINING

V. Pukelytė, V. Baltrūnas, 2022. Significant Quaternary objects of the geological research of A. Giedraitis (1848–1909) and their development in the Nemunas River basin. – *The 47th INHIGEO Symposium*, 15–24 September, 2022, Les Eyzies, France. Abstracts Book (con. Claudine Cohen, Françoise Dreyer, Gaston Godard, Pascal Richet), thesis no. 43. P. 22 (27 p.).

V. Pukelytė, V. Baltrūnas, B. Karmaza, L. Gedminienė, 2022. Features of formation of the area of Middle and North Lithuania lowlands. – *International Field Symposium “Quaternary of the Eastern Baltic Region”*, 10–15 September, 2022, Latvia–Lithuania. Excursion Guide and Abstracts (Eds: V. Šeirienė and A. Bitinas). Vilnius: Gamtos tyrimų centras, p. 33–34 (104 p.).

V. Pukelytė, V. Baltrūnas, 2022. The book that educate the public during the press ban in Lithuania. – *The 30th Baltic Conference on the History and Philosophy of Science*, 9–11 June, 2022, Oulu, Finland. Abstracts Booklet – *The book History and Philosophy of Science, Technology and Medicine*. P. 18 (21 p.).

V. Pukelytė, V. Baltrūnas, B. Karmaza, 2022. Formation peculiarities of the North and Middle Lithuanian plains. – *The 80th International Scientific Conference of the University of Latvia “Applied Geology, Quaternary Geology and Geomorphology”*, 4 th February, 2022, Riga, Latvia. Abstracts.

V. Baltrūnas, V. Pukelytė, 2021. Regions and their natural basis. – *10th International Interdisciplinary Scientific Conference “The region: history, culture, language”*, 20–21 May, 2021, Šiauliai, Lithuania. Abstracts book. Šiauliai: Vilnius University Šiauliai Academy, Institute of Regional Development. P. 3 (38 p.).

V. Baltrūnas, V. Pukelytė, 2021. Antanas Giedraitis (1848–1909) – the pioneer of professional geological cartography in Lithuania. – *The 46th International commission on the history of geological sciences (INHIGEO) Symposium*, 19–22 July, 2021, Poland, Warsaw. Abstracts Book (Ed. Stanislaw Wolkowicz). Warsaw: Polish geological institute, National research institute. P. 9 (68 p.) – ISBN: 978-83-66509-93-1.

V. Pukelytė, V. Baltrūnas, B. Karmaza, D. Karmazienė, 2019. Subglacial processes and mega-scale glacial lineations in North Lithuania. – *The XX INQUA Congress “Life on the Edge”*, 25–31 July, 2019, Dublin, Ireland. Abstract Book. P-2912. P. 2127.

PARTICIPATION IN THE STUDY PROCESS

Member of the Doctoral Commission of the Nature Research Centre (geology and physical geography)

OTHERS

Publications: Valentinas Baltrūnas has written more than 130 scientific publications and reports and the same number of science popularization papers. He is an author and co-author of several monographs: “Pleistocene stratigraphy and correlation“ (1995), “Stratigraphical subdivision and correlation of Pleistocene deposits in Lithuania (methodical problems) (2002)“, “Did Raigardas really vanish?“ (co-author , 2001), “Stone Age in South Lithuania“ (co-author , 2001), “Nature as a source of culture“ (2003). He wrote an educational book “Methodology of environmental investigations“ (2008), several cognitive publications: “Unique Lithuanian localities“ (2006), “Lithuania:101 exiting places“ (co-author , 2008, 2021), “Ethnographic regions of Lithuania“ (co-author , 2010), “Lithuanian castles and fortress“ (co-author , 2011), some science popularization books: “Devil carried a boulder“ (co-author , 1980), “Living on the geological background“ (1982), „Ledyno dvelksmas: Grenlandija ir Lietuva“ [„Blow of the glacier: Greenland and Lithuania“].

Social activities: From 1990 to 1995 – Trakai District Council member. He was involved in the activity of the Lithuanian Nature Society board, Lithuanian Scientific Society council, Lithuanian Geological Society council, Lithuanian Union of the History and Philosophy of Science. He was a member of editorial boards of several scientific publications: scientific journals “Geologija“ and “Geografija“ (recently “Geologija. Geografija“), “Весті Нацыянальнай акадэміі навук Беларусі. Серыя хімічных навук“ (“Reports of the Belorussian National Academy of Sciences“), “Geography and Geology“ (Belarusian State University), “Journal of Environmental Engineering and Landscape Management“ (Vilnius Gediminas technical university), „Universal Lithuanian Encyclopedia“. 2011–2017 – editor-in-chief of journal „Geologijos akiračiai“ (“Geological horizon“).

2001–2006 - member of the Lithuanian State Science Awards Commission, 2014–2020 – Member of the Council of the Lithuanian Union of Scientists, since 2019 – Member of INHIGEO (International Commission on the History of Geological Sciences). 2014 – Expert of the Study Quality Assessment Center, 2018–2021 – expert of the Research Council of Lithuania, 2010–2016 – Member of the Competitions and Certification Commission of the Faculty of Natural Sciences of Vilnius University (VU), Chairman of the Defense Commission of Bachelor's and Master's Theses of VU Geology, 2011–2018 – VU and the Nature Research Center member of the joint doctoral committee, 2016 to now - member of the Nature Research Centre doctoral committee (geology and physical geography).

Awards: 2015 - laureate of premium named by academic Juozas Dalinkevičius;

2021 - awarded the "Golden Geologist's Hammer" badge of honor of the Antanas Giedraitis Geology Foundation of the Association of Geological Companies.