

Aldona Baubiniene

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2010 – 2015 Physical Sciences, Physical Geography (06 P) PhD (Institute Geology and Geography, Vilnius university)
Dissertation topic: „ ORIGIN HETEROGENEITY AND DYNAMICS OF LITHUANIAN FLUVIAL ISLANDS“, scientific supervisor - dr. Julius Taminskas

1978 – 1983 Vilnius University, Faculty of Natural Sciences, geography academic's diploma
Thesis topic: „Hydrological regime of Lake Glūkas“.

PROFESSIONAL EXPERIENCE

2015 – until now **Researcher**
Laboratory of climate and water research, Institute of Geology and Geography, Nature Research Centre
Research interests: the impact of climate change on the development of river islands and the hydraulic permeability of river beds, the response of river beds and valleys to climate changes, research on the reconstruction of the hydrographic network in Vilnius.

2010 – 2014 **PhD student**
Laboratory of climate and water research, Institute of Geology and Geography, Nature Research Centre
Research interests: dispersion and change of islands in rivers, assessing the geological, geomorphological, hydrological conditions of river basins. Genetic classification of islands.

2002 – 2009 **Junior researcher**
Laboratory of climate and water research, Institute of Geology and Geography
Research interests: morphometric indicators of islands, shape, deformations, genetic diversity.

1996 – 2002 **Assistant**
Geomorphology laboratory, Institute of Geography
Research interests: relief morphogenesis studies, relief cadastre preparation

1982 – 1992 **Engineer**
Lithuanian Hydrometeorological Service
Research interests: water balance

RESEARCH INTERESTS:

the impact of climate change on the development of river islands and riverbed hydraulic permeability; studies of island dispersion; modern geomorphological, hydrological processes and their influence on relief transformation; hydrographic studies based on surface sediment characteristics and geological, geomorphological, hydrological information. Research is carried out using GIS technologies, diachronic & statistical analysis methods, combining information obtained from orthophoto images, field photos, using hydrological, geomorphological, hydrographic and other related databases.

PUBLICATIONS

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

1. Šimanauskienė R., Linkevičienė R., Povilanskas R., Satkūnas J., Veteikis D., **Baubinienė A.**, Taminskas J. 2022. Curonian Spit Coastal Dunes Landscape: Climate Driven Change Calls for the Management Optimization. *Land* 11(6):877. DOI:[10.3390/land11060877](https://doi.org/10.3390/land11060877)
2. Bautrėnas A., Česnulevičius A., Morkūnaitė R., Bevainis L., Kumetaitienė A., Ovodas D., Mačiulevičiūtė-Turlienė N., Šutinienė L., Karaliūnas V., **Baubinienė A.**, Baužienė I. 2021. Investigation and mapping of the temporary dynamics of the highest Lithuanian outcrop using ground-based measurements and UAV imagery, *Baltica*. Volume34(1):108-122 DOI: [10.5200/baltica.2021.1.9](https://doi.org/10.5200/baltica.2021.1.9)
3. Satkūnas, J., Minkevičius, V., Guobytė, R., **Baubinienė, A.**, Linkevičienė, R., Taminskas, J. 2020. Morphometric indicators of insular and marginal morainic uplands (based on LiDAR data) of the Last and pre-Last Glaciations, case of Lithuania. *Baltica*. Volume 33:166-176.
4. Morkūnaitė R., Bautrėnas A., Česnulevičius A., Dobrotin N., **Baubinienė A.**, Jankauskaitė M., Kalesnikas A., Mačiulevičiūtė–Turlienė N. 2018. Changes in quantitative parameters of active wind dunes on the south-east Baltic Sea coast during the last decade (Curonian Spit, Lithuania). *Geological Quarterly* 62(1) DOI:10.7306/gq.1389
5. **Baubinienė A.**, Satkūnas J., Taminskas J. 2015. Formation of fluvial islands and its determining factors, case study of the Neris River, Baltic Sea basin. *Geomorphology*. Vol 231, p. 343-352. DOI: 10.1016/j.geomorph.2014.12.025
6. **Baubinienė A.**, Morkūnaitė R., Bauža D., Petrošius R., Vaitkevičius G. 2015. Aspects and methods of reconstructing the medieval terrain and deposits in Vilnius. *Quaternary international*. Vol 386:83-88. DOI: 10,1016/j.quaint.2014.09.068

Reviewed scientific articles, published in Lithuania:

1. **Baubinienė, A.**, Vaitkevičius, G., Morkūnaitė, R., Bautrėnas, A. 2021. HYDROGRAPHIC FEATURES OF VILNIUS SURROUNDINGS AND THEIR INFLUENCE ON THE CITY DEVELOPMENT. *ANNALES GEOGRAPHICAE* 54: 43-56.
2. Researcher. Natural conditions for the transformation of Lithuanian cities (Phase I,XIV XVII., Vilnius example) urban environment. Contract: MIP-110/2012
3. Petrošius, R., Morkūnaitė, R., **Baubinienė, A.**, Radžiūnienė, J. 2019. Aspects of biogeophysical environmental research in Pavilniai regional park at the Pūčkoriai outcrop. *Horizons of geology* 1-2: 16-23.
4. Morkūnaitė R., **Baubinienė A.**, Vaitkevičius G., Bauža D. 2015. Geographical-historical interpretation of natural conditions in the reconstruction of Vilnius city formation and development. *Horizons of geology*, 15-22.

5. **Baubinienė A.** 2014. DISTRIBUTION OF THE ISLANDS IN LITHUANIAN RIVERS BY THE INCLINATION. *ANNALES GEOGRAPHICAE* 50, 45 – 52.
6. **Baubinienė A.** 2013. The NEMUNAS RIVER ISLANDS AND THEIR EVOLUTION. *ANNALES GEOGRAPHICAE* 49,1-9.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Satkūnas, J., Minkevičius, V., Guobytė R., **Baubinienė, A.**, Linkevičienė, R., Taminskas, J. 2022. TERRAIN RUGGEDNESS INDEX (TRI) AND SLOPE ANGLES (SA) OF LANDFORMS OF INSULAR AND MARGINAL MORAINIC HIGHLANDS (BASED ON THE LIDAR DATA) OF THE LAST AND PRE-LAST GLACIATIONS, CASE OF LITHUANIA. *International Field Symposium „Quaternary of the Eastern Baltic Region“*, 10-15 september 2022 Latvia-Lithuania.
2. **Baubinienė, A.**, Šimanauskienė, R. 2021. Morphological features and development of the islands of the lower Neris river (Baltic Sea basin) at the turn of the 20th - 21st centuries, 2nd International Conference on Water Management and its Surroundings – Theoretical and Practical Aspects, Online conference (Poland), May 20-21 2021.
3. **Baubinienė, A.**, Morkūnaitė, R., Godienė, G., Vaitkevičius, G., Petrošius, R. 2019. Historic changes of hydrographic network and urban structure in Vilnius Old city“. *3rd International Conference on Life and Environmental Sciences* 2-4 of May 2019 Kaunas.
4. Petrošius, R., Morkūnaitė, R., **Baubinienė, A.**, Radžiūnienė, J. 2018. The aspects of biogeophysical and environmental investigation in the pavilniai Regional Park near the highest outcrop of Lithuania. EARTH'S FIELDS Estonia 24-28 august. *Proceedings of „Earth's fields“ conference*:19-28.

National scientific conferences:

1. **Baubinienė A.**, Taminskas J. 2020. Hydrological State of the Neris River and Its Influence on the Formation of Islands and Shoals in the Riverbed. *The conference Climate Change in Lithuania: Global and National Challenges, Monitoring and Policy Guidelines*, 22nd May 2020, Vilnius University.
2. Morkūnaitė R., **Baubinienė A.**, Baurėnas A. 2020. The Outcrop of Vilnia River as a Reflection of Climate Change. *The conference Climate Change in Lithuania: Global and National Challenges, Monitoring and Policy Guidelines*, 22nd May 2020, Vilnius University.

OTHERS

1. **Baubinienė A.**, Morkūnaitė R., Baurėnas A. 2021. Streams of Vilnius city. Weekly "Žaliasis pasaulis" <https://zpasaulis.lt/vilniaus-miesto-upeliai/>
2. Geographer. In memory of Ričardas Baubinas. Compilers: **Baubinienė A.**, Daugirdas V., Kriaučiūnas E. (senior editor). Vilnius: DIDAKTA, 2020, 128 p.
3. **Baubinienė A.**, Morkūnaitė R. The Secrets of the Šventoji River Flow. Vilnius: Ciklonas, 2018, 80 p.
4. **Baubinienė A.**, Satkūnas J., Taminskas J. Lecture "Neris River valley and its development". Presented in regional park of Verkiai, 26th of October, 2019

5. **Baubinienė A.**, Morkūnaitė R. 2019. Islands of Šventoji River. Information stand. Presented in regional park of Anykščiai
6. **Baubinienė A.**, Morkūnaitė R. 2019. Old riverbeds of Šventoji River. Information stand. Presented in regional park of Anykščiai
7. **Baubinienė A.** Interview for the newspaper „Lietuvos žinios“ for article: „The resident of Žvėrynas seeks to restore the former island“, 13th of September, 2018
8. **Baubinienė A.** Interview for National Broadcaster Radio show „Ryto garsai“ about the prevalence of islands and their importance in Lithuanian rivers. On 16th of July, 2015 interview was published in news websites *DELFI* (section “Grynas”), „Kauno diena“, „Klaipėda“