

Daiva Vaitkuvienė

CONTACT INFORMATION

Address Akademijos Str. 2, Vilnius LT-08412, Lithuania
Tel. no.: +370 5 272 92 51
E-mail: daiva.vaitkuviene@gamtc.lt
<http://orcid.org/0000-0001-6353-3291>
<https://www.researchgate.net/profile/Daiva-Vaitkuviene>
<https://www.linkedin.com/in/daiva-vaitkuvien%C4%97-91b318228/>

EDUCATION AND ACADEMIC DEGREE

2009 – 2014 Ph.D. degree in Biomedical Sciences, Ecology and Environmental Sciences (03 B). Vilnius University and Nature Research Centre, Vilnius, Lithuania.
Doctoral dissertation: “Abundance and spatial distribution, breeding habitat selection, breeding success and spring arrival of the White Stork *Ciconia Ciconia* in the North-Western periphery of the range”. Scientific Supervisor – dr. Mindaugas Dagys.
Field of research: spatial distribution, habitat selection, habitat use, breeding success, migration studies using geo-information and statistical methods.

1988 – 1994 M.Sc. in Biology Sciences. Vilnius University, Faculty of Natural Sciences, Vilnius, Lithuania.
Master thesis: "Summer bird migration in the Lithuanian coast of the Baltic Sea ".
The research was carried out at the Institute of Ecology, Laboratory of Ornithology.
Research area: bird migration, data processing and analysis.

PROFESSIONAL EXPERIENCE

2021 – until now Senior researcher, Nature Research Centre.

2017 – 2021 Researcher, Nature Research Centre.

2015 – 2017 Junior researcher, Nature Research Centre.

2010 – 2015 Biologist, Nature Research Centre.

2003 – 2010 Biologist, Institute of Ecology of Vilnius University.

1993 – 2003 Biologist, Institute of Ecology.

1990 – 1993 Biologist-engineer, Institute of Immunology at the Lithuanian Academy of Sciences.

1987 – 1990 Biologist-engineer, Institute of Biochemistry at the Lithuanian Academy of Sciences.

RESEARCH INTERESTS

- Research of bird distribution in time and space in conditions of the global change; seasonal habitat use of bird species; identifying changes in the quality of habitats; bird migration.
- Establishment of important bird areas, bird conservation strategies.
- Tagging birds with telemetric GPS-GSM transmitters and use of the collected data in the research of bird habitat selection and habitat use, migration studies.
- Bird surveys using various accounting methods, digitization, processing and analysis of collected spatial data using modern geo-information and statistical methods, visualization of results on thematic maps.
- Land cover mapping and landscape structure analysis, long-term land cover change identifying (according to the CORINE methodology) using satellite images (spectral analysis), orthophotos and various land cover GIS databases.

PUBLICATIONS

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

1. Mischenko, A., Sukhanova, O., Švažas, S., Meshcheriakova, N., Perkovskii, M., Strelkov, V., Czajkowski, A., **Vaitkuvienė, D.** 2022. Internationally important stopover area for the globally threatened Common Pochard *Aythya ferina* in the Volga River delta. *Wildfowl* 72: 164-173. (Q3)
2. Prakas, P., Butkauskas, D., Švažas, S., Bea, A., Yanenko, V., Ragauskas, A., **Vaitkuvienė, D.** 2021. The genetic divergence of the European Turtle Dove (*Streptopelia turtur*). *Animals* 11, doi.org/10.3390 (Q1)
3. Virbickas, T., Dementavičius, D., Rumbutis, S., **Vaitkuvienė, D.**, Dagys, M., Treinys, R. 2021. Understanding recreational targets and ecological consequences: increased northern pike stocking reflected in top avian predator diet. *European Journal of Wildlife Research* 67: 5. (Q2)
4. Dementavičius, D., Rumbutis, S., Virbickas, T., **Vaitkuvienė, D.**, Dagys, M., Treinys, R. 2020. Spatial and temporal variations in the White-tailed Eagle *Haliaeetus albicilla* breeding diet revealed by prey remains, *Bird Study*. 67: 206–216. <https://doi.org/10.1080/00063657.2020.1808591>. (Q2)
5. Mischenko, A., Fox, A.D., Švažas, S., Sukhanova, O., Czajkowski, A., Kharitonov, S., Lokhman, Y., Ostrovsky, O., **Vaitkuvienė, D.** 2020. Recent changes in breeding abundance and distribution of the Common Pochard (*Aythya ferina*) in its eastern range. *Avian Research* 11: 23. <https://doi.org/10.1186/s40657-020-00209-6>. (Q2)
6. Butkauskas, D., Bea, A., Yanenko, V., Prakas, P., Švažas, S., **Vaitkuvienė, D.** 2020. MtDNA D-loop genetic diversity of common quail (*Coturnix coturnix*) migrating through Ukraine and Spain. *Turkish Journal of Zoology* 44: 477–480. <https://doi.org/10.3906/zoo-2004-47>. (Q4)
7. Butkauskas, D., Švažas, S., Bea, A., Prakas, P., Olano, I., Grishanov, G., Mischenko, A., Kozulin, A., Stanevičius, V., Báldi, A., Huysentruyt, F., **Vaitkuvienė, D.**, Red'kin, Y. 2019. Designation of flyways and genetic structure of Woodpigeon *Columba palumbus* in Europe and Morocco. *European Journal of Wildlife Research* 65, 91. <https://doi.org/10.1007/s10344-019-1336-9>. (Q2)
8. Dementavičius, D., Rumbutis, S., **Vaitkuvienė, D.**, Dagys, M., Treinys, R. 2019. No adverse effects on Lesser Spotted Eagle breeding in an area of high White-tailed Eagle density. *Journal of Ornithology* 160: 453–461. <https://doi.org/10.1007/s10336-019-01625-2>. (Q2)
9. Rumbutis, S., **Vaitkuvienė, D.**, Grašytė, G., Dagys, M., Dementavičius, D., Treinys, R. 2017. Adaptive habitat preferences in the Tawny Owl *Strix aluco*. *Bird Study* 64: 421–430. (Q2)

10. Grašytė, G., Rumbutis, S., Dagys, M., **Vaitkuviėnė, D.**, Treinys, R. 2017. Tawny Owl females of intermediate colour morph reproduce better and increase in a local polymorphic population. *Ornis Fennica* 94: 33–44. (Q2)
11. **Vaitkuviėnė, D.**, Dagys M. 2015. Two-fold increase in White Stork (*Ciconia ciconia*) population in Lithuania: a consequence of changing agriculture? *Turkish Journal of Zoology* 39: 144–152. (Q3)
12. **Vaitkuviėnė, D.**, Dagys, M., Bartkeviėienė, G., Romanovskaja, D. 2015. The effect of weather variables on the White Stork (*Ciconia ciconia*) spring migration phenology. *Ornis Fennica* 92: 43–52. (Q2)

Scientific articles published in conference proceedings:

1. Bartkeviėienė, G., **Vaitkuviėnė, D.**, Dagys, M., Romanovskaja, D. 2014. Does climate influence first arrival dates of White Storks in Lithuania? In: L. Jerzak, P. Tryjanowski (Eds). Abstracts of the 1st International White Stork Conference, Zielona Góra, Poland, 4–6 September 2014, 10.
2. Dagys, M., **Vaitkuviėnė, D.**, Skorniakov, V. 2014. Factors affecting the distribution of breeding White Storks *Ciconia ciconia* in Lithuania. In: L. Jerzak, P. Tryjanowski (Eds). Abstracts of the 1st International White Stork Conference, Zielona Góra, Poland, 4–6 September 2014, 15.
3. **Vaitkuviėnė, D.**, Dagys, M. 2014. Changes in White Stork (*Ciconia ciconia*) population in Lithuania between 1994–2010. In: L. Jerzak, P. Tryjanowski (Eds). Abstracts of the 1st International White Stork Conference, Zielona Góra, Poland, 4–6 September 2014, 62.
4. **Vaitkuviėnė, D.**, Dagys M. 2010. Land cover changes in the Lithuanian coastal zone in 1975–2006. Abstracts of the 52nd international scientific conference of Daugavpils University. Daugavpils: Daugavpils University, 11.

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

1. **Vaitkuviėnė, D.**, Dagys, M. 2014. Possible effects of electromagnetic field on White Storks *Ciconia ciconia* breeding on low-voltage electricity line poles. *Zoology and Ecology*, 24 (4): 289–296.
2. Vaitkus G., **Vaitkuviėnė, D.** 2005. Land cover changes in Lithuanian coastal zone during 1975–2000. *Acta Zoologica Lituanica* 15 (2): 183–187.
3. Vaitkus G., **Vaitkuviėnė, D.**, Žalakeviėius M., Švažas S. 1994. Characteristics of summer bird migration in the Lithuanian coast of the Baltic Sea. *Acta Ornithologica Lituanica* 9–10: 38–52.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2020 – 2021	“Determination of the dynamics of the abundance and distribution of wintering seabirds in 2020/2021, and evaluation of the obtained results”. Project coordinator: Ministry of Environment (Lithuania).
2020 – 2020	„OMPO“. „Breeding and moulting populations of Common Pochard <i>Aythya ferina</i> in Lithuania“. Project coordinator: OMPO / Migratory Birds of the Western Palearctic; European institute for the management of wild birds and their habitats.
2018 – 2019	"Landscape monitoring of Rokiškis district municipality". Project coordinator: Vilnius Gediminas Technical University.
2014 – 2016	“Sustainable development of wind energy in western Lithuania”. EEA and Norway grant. Project coordinator: Ministry of Environment (Lithuania).
2014 – 2016	“Evaluation of the status of species of EU importance as well as invasive species

- of plants and animals in Lithuania (EU importance bird species monitoring)". Project coordinator: Environmental Protection Agency (EPA) (Lithuania).
- 2014 – 2016 "Processing of research and dispersed information on protected species and input into a unified Protected Species Information System (PSIS/SRIS)". EEA and Norway grant. Project coordinator: Ministry of Environment (Lithuania).
- 2012 – 2015 "Evaluation of the status of species of EU importance, species of invasive midges and fish in Lithuania as well as impact of long distance transfer on ecosystems (EU importance bird species monitoring)". Project coordinator: Environmental Protection Agency (EPA) (Lithuania).
- 2009 – 2013 "White Stork (*Ciconia ciconia*) Conservation in Lithuania". Project coordinator: Lithuanian Ornithological Society. Funding source: LIFE+ Nature.
- 2007 – 2008 „CORINE land cover 2006“. Project coordinator: European Environmental Agency (EEA), Environmental Protection Agency (EPA) (Lithuania).
- 2006 – 2007 "Conservation and sustainable management of biodiversity in Lake Druksiai: transboundary wetland complex of international importance". Project coordinator: ES Interreg III, South programa.
- 2006 – 2007 „Preparation of the programme for the conservation of White Stork nests on electricity power lines and for the protection of power lines from the impact of breeding White Storks“. Project coordinator: Ministry of Environment (Lithuania).
- 2005 – 2009 "Marine Protected Areas in the Eastern Baltic Sea". Project coordinator: Baltijas Vides forums (Latvia). Funding source: LIFE-Nature.
- 2005 – 2008 "Natura 2000 site conservation and management on the Lithuanian coast". Project coordinator: Ecological Club "Žvejoni". Funding source: LIFE-Nature.
- 2005 – 2006 "Ecological and genetic studies of the common woodpigeon European population". Project coordinator: "FEDENCA" (Spain).
- 2005 – 2006 „Protection of endangered species of flora and fauna and their habitats through implementation of CITES and the Bern and Bonn Conventions and the related EU legislation“. Project coordinator: Scanagri Denmark A/S (Denmark).
- 2005 – 2006 „Preparation of nature management plans for 8 SPAs and 27 pSCIs“. Project coordinator: State Service For Protected Areas under the Ministry of Environment.
- 2005 „Preparation of monitoring methodics and individual monitoring programmes for Natura 2000 areas for species of EU importance“. Project coordinator: State Service for Protected Areas under the Ministry of Environment.
- 2004 – 2007 "Baltic Sea Regional Project (BSRP)". Project coordinator: HELCOM (Finland).
- 2003 – 2004 "CORINE Land Cover 2000". Project coordinator: European Environmental Agency (EEA), Environmental Protection Agency (EPA) (Lithuania).
- 2003 "Land cover changes in Lithuanian coastal zone during 1975-1995". Project coordinator: European Environmental Agency (EEA).
- 1999 – 2003 "Approximation of Lithuanian capacity, policies and procedures on nature protection to EU requirements, with particular focus on implementation of the ECC Habitats Directive (92/43) and the ECC Bird Directive (79/409)". Project coordinator: Ornis Consult, NepCon (Denmark).
- 1999 – 2000 "Environmental Atlas of the Curonian Spit". Project coordinator: Blekinge region administration, Swedish Coast Guard, (Sweden).
- 1998 – 2001 "ICZM - Integrated Coastal Zone Management in the Baltic States and Poland". Project coordinator: SSC Satellitbild, PHARE (Sweden).
- 1998 – 2000 "Inventory of coastal and marine Important Bird Areas in the Baltic Sea". Project coordinator: BirdLife, Ornis Consult (Denmark).

- 2019 m. “Lithuanian Learning path on the use of the C3S Climate Data Store”. International training (Lithuania).
- 2015 m. International training: identification of conflict zones which are vulnerable to the development of wind power facilities in the sense of biodiversity protection and preparation of conflict management recommendations. (Lithuania).
- 2014 m. Nature Research Centre institutional scientists and researchers capacity training. (Lithuania).
- 2013 m. Training: „Searching for opportunities and sources of project financing”. (Lithuania).
- 2007 – 2008 m. International training courses „CORINE-2006 land cover databases production“ (Lithuania).
- 2006 – 2008 m. Interdisciplinary training „Global climate change and anthropogenic impact on the ecosystem research and monitoring of climate change, environmental impact assessment using GIS (geographic information systems) technology”. (Lithuania).
- 2006 – 2008 m. Biostatistics training (Lithuania).
- 2004 m. Ecological cartography training courses (orthophoto images and satellite images use in thematic mapping, 3D thematic mapping). Technical University of Madrid (Spain).
- 2003 – 2004 m. International training courses „CORINE-2000 land cover databases production“ (interpretation LANDSAT satellite images, creation and testing land cover GIS databases) (Lithuania).
- 2002 m. International training courses "Use of Remote Sensing in Biological Studies", (Expert Erik Prins, Denmark). (Lithuania).
- 1999 m. International Geographic Information Systems and Remote Sensing training courses (ArcView GIS & Spatial Analyst, Access, Cartalinx ir ERDAS Imagine Professional), Jūrmala (Latvia).

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Dementavičius D., Rumbutis S., **Vaitkuviėnė D.**, Dagys M., Treinys R. 2017. Does the White-tailed Eagle predation on the intraguild and internationally protected bird species presents a sharp conservation dilemma? SeaEagle 2017 conference. (Estonia).
2. Dementavičius D., Rumbutis S., **Vaitkuviėnė D.**, Dagys M., Treinys R. 2017. Does mesopredator Lesser Spotted Eagle suffers breeding costs in a high-density area of the White-tailed Eagle? SeaEagle 2017 conference. (Estonia).
3. **Vaitkuviėnė D.**, Dagys M. 2014. Changes in White Stork (*Ciconia Ciconia*) population in Lithuania between 1994–2010. 1-st International White Stork conference. (Poland).
4. Dagys M., **Vaitkuviėnė D.**, Skorniakov V. 2014. Factors affecting the distribution of breeding White Storks *Ciconia ciconia* in Lithuania. 1-st International White Stork conference. (Poland).
5. Bartkevičienė G., **Vaitkuviėnė D.**, Dagys M., Romanovskaja D. 2014. Does climate influence first arrival dates of White Storks in Lithuania? 1-st International White Stork conference. (Poland).
6. Dagys M., **Vaitkuviėnė D.** 2011. White Stork (*Ciconia ciconia*) nest census in Lithuania. International scientific conference “Spatial ecology & conservation”. (UK).
7. **Vaitkuviėnė D.**, Dagys M. 2011. “Trees – natural nest-sites of White Storks (*Ciconia ciconia*)”. International conference “Medžio ekosistema ir žmogus”. (Lithuania).
8. **Vaitkuviėnė D.**, Dagys M. 2010. Land Cover Changes in the Lithuanian Coastal Zone in 1975-2006. 52-th international conference, University of Daugavpils. (Latvia).

9. **D. Vaitkuviėnė.** 2004. Lithuanian CORINE land cover. Oral presentation at the Polytechnic University of Madrid. (Spain).
10. **Vaitkuviėnė D.** 2003 m. Lithuanian CORINE land cover and land cover changes in 1995-2000. 3rd international conference of ESRI GIS users. Vilnius. (Lithuania).

PARTICIPATION IN THE STUDY PROCESS

Supervision of bachelor and master students:

Emilija Barteškaitė	Thesis: What affects white stork (<i>Ciconia ciconia</i>) breeding success in Vilnius, Lithuania? University of St Andrews. Student intern consultant.	2021 – 2022
Ugnė Kurkytė	Bachelor's degree: "Nest distribution and breeding of White storks (<i>Ciconia ciconia</i>) in Utena district 2010 – 2016" Vilnius University. Supervisor.	2016 – 2017

OTHERS

1. Švažas, S., Prakas, P., Butkauskas, D., **Vaitkuviėnė, D.** 2021. Paprastasis purplėlis (*Streptopelia turtur*) – sparčiai nykstanti paukščių rūšis Europoje. *Paukščiai* 2:8–11.
2. Raudonikis, L., Riauba, G., Brazaitis, G., Čerkauskas, A., Dagys, M., Morkūnas, J., Pakštytė, E., Pranaitis, A., Preikša, Ž., Skuja, S., Stanevičius, V., **Vaitkuviėnė, D.** 2016. Europos Bendrijos svarbos paukščių rūšių monitoringo metodikos. Vilnius, Lietuvos ornitologų draugija, Valstybinė saugomų teritorijų tarnyba prie Aplinkos ministerijos. 408 p.
3. Dagys M., **Vaitkuviėnė D.** 2013. Baltasis gandras Lietuvoje. *Lizdų atlasas*. Vilnius: Petro ofsetas.
4. **Vaitkuviėnė D.**, Dagys M. 2013. Baltųjų gandrų gausumas ir apsauga Lietuvoje. *Žurnalas apie gamtą* 2 (56): 22–26.