

# Gintaras Malmiga

## CONTACT INFORMATION

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## EDUCATION AND ACADEMIC DEGREE

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- 2016 – 2020 Natural sciences, PhD in ecology and environmental research (N 012) (Vilnius university, Nature Research Centre).  
Dissertation: “Migratory behaviour in a long-distance migrant songbird, the great reed warbler”, academic supervisors – dr. R. Treinys and prof. D. Hasselquist.
- 2012 – 2013 Lund university / Master of science, major: biology with specialization in zoology.  
Master thesis: “Interspecific comparison of the flight performance between sparrowhawks and common buzzards migrating at the Falsterbo peninsula: a radar study”, academic supervisor – prof. T. Alerstam.
- 1993 – 1997 Vilnius university, Biology / Bachelor of science, major: biology with specialization in zoology.  
Bachelor ‘s thesis: “The reaction of ravens, crows and jackdaws to bird alarm calls representing different taxonomic groups“, academic supervisor: doc. dr. R. Budrys.

## PROFESSIONAL EXPERIENCE

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- 2021 – until now **Researcher**  
Laboratory of Avian Ecology, Nature Research Centre
- 2017 – 2018 **Biologist**  
Laboratory of Avian Ecology, Nature Research Centre
- 2015 – 2016 **Ecologist**  
Neries regional park directory
- 2014 – 2015 **Biodiversity conservation expert**  
Baltic Environmental Forum
- 2011 – 2012 **Laboratory assistant**  
Vilnius University

## RESEARCH INTERESTS

*Scientific interest:* bird migration and factors related to it (e.g., annual cycle events, influence of seasons, sex, age, breeding success, wintering grounds conditions, etc.), and studies of migratory flight parameters (flight duration, altitude, etc.), studied by collecting and analyzing fieldwork data, remote data loggers (e.g., geolocators, multisensor data loggers), GPS transmitters and satellite data.

## PUBLICATIONS

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

1. **Malmiga G.**, Nilsson C., Bäckman J., Alerstam T. 2014. Interspecific comparison of the flight performance between sparrowhawks and common buzzards migrating at the Falsterbo peninsula: A radar study. – *Current Zoology*, 60: 670-679. DOI: [10.1093/czoolo/60.5.670](https://doi.org/10.1093/czoolo/60.5.670).
2. Sjöberg S., Pedersen L., **Malmiga G.**, Alerstam T., Hansson B., Hasselquist D., Thorup K., Tøttrup A. P., Andersson A. and Bäckman J. 2018. Barometer logging reveals new dimensions of individual songbird migration. – *Journal of Avian Biology*, 49: e01821. DOI: [10.1111/jav.01821](https://doi.org/10.1111/jav.01821).
3. Brlík V., **Malmiga G.**, Dimitrov D., Emmenegger T., Gavrilov A., Hasselquist D., Peev S., Willemoes M., Yohannes E., Hahn S., Hansson B., Procházka P. 2020. *Population-specific assessment of carry-over effects across the range of a migratory songbird*. – *Behavioral Ecology and Sociobiology*, 74: 143. DOI: <https://doi.org/10.1007/s00265-020-02929-7>.
4. **Malmiga G.**, Tarka M., Alerstam T., Hansson B., and Hasselquist D. 2021. Individual and sex-related patterns of prolonged flights during both day and night by great reed warblers crossing the Mediterranean Sea and Sahara Desert. – *Journal of Avian Biology*, 52: e02549. DOI: [10.1111/jav.02549](https://doi.org/10.1111/jav.02549).
5. Sjöberg S., **Malmiga G.**, Nord A., Andersson A., Bäckman J., Tarka M., Willemoes M., Thorup K., Hansson B., Alerstam T., Hasselquist D., 2021. – *Science* 372: 646-648. DOI: [10.1126/science.abe7291](https://doi.org/10.1126/science.abe7291).

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

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- 2022 – 2023     **Researcher.** The abundance of wintering birds in the Baltic sea 2022/2023 m. Project leader - dr. Mindaugas Dagys.
- 2021 – 2022     **Researcher.** AB „ORLEN Lietuva“ Būtingės oil platform 2021–2025 environmental monitoring . Project leader - doc. dr. Kęstutis Jokšas.

**INTERNSHIP AND TRAINING**

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- 2017             Two-week course: Ecology of Animal Migration. Lund university, Sweden.
- 2017             Course completion: Laboratory Animal Science for Researchers – Birds, Lund university, Sweden.

**INTERNATIONAL EXPEDITIONS/FIELDWORKS**

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- 2016 – 2021     Participating in great reed warbler (*Acrocephalus arundinaceus*) fieldwork, studying their ecology, biology, migration (sweden).
- 2013             Participating in international expedition in Russia, studying the ecology and immunology of barnacle geese (*Branta leucopsis*).

- 2012 Participating in golden plover (*Pluvialis apricaria*) fieldwork, studying their ecology, migration (Sweden).

## **PARTICIPATION IN SCIENTIFIC CONFERENCES**

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### ***International scientific conferences:***

1. **Malmiga G.**, Hansson B., Montràs-Janer T., Tarka M., Alerstam T., Hasselquist D. A nocturnal migrant songbird regularly makes prolonged non-stop flights of 12-60 hours when migrating over the Mediterranean-Sahara barrier. 2017. EOU European Ornithologists Union conference, Turku, Suomija. Book of Abstracts: 161. [https://eounion.org/wp-content/uploads/2015/07/EOU2017\\_abstracts.pdf](https://eounion.org/wp-content/uploads/2015/07/EOU2017_abstracts.pdf).
2. MLSG Migrant Landbird Study Group symposium, 2017. Turku, Suomija.
3. 3rd International Conference SmartBio, Kaunas, Lithuania. 2019.

### ***National scientific conferences:***

1. Current biological research in Lithuania. The Lithuanian academy of sciences, Vilnius. 2018.

## **PARTICIPATION IN THE STUDY PROCESS**

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### ***Scientific consultant of master's and bachelor's- students:***

Field of science: Natural sciences, Ecology and Environmental Research (N 012)

[Erik Bensen](#) Master 's thesis: „Boldness and parental care: nest protection and food provisioning in great reed warblers in relation to social mating status, sex and social partner behaviors“ 2019–2020

Field of science: Natural sciences, Ecology and Environmental Research (N 012)

[Sam Pitt Miller](#) Bachelor 's thesis: „Diurnal activity patterns of the great reed warbler“ 2022 – until now

### **Teaching lectures at Vilnius university**

Lecture: *short and long distance migration*. Biopsychology course 2021–2022

Lecture: *bird migration*. Ornithology course 2022

## **OTHERS**

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### ***Science popularization:***

1. Lecture about great reed warbler migration at Lithuanian Ornithological Society <http://birdlife.lt/nemuno-deltaje-lietuvos-ornitologu-draugijos-susir>.
2. Popular scientific article in „Paukščiai“ Nr. 51 (2021): Sacharos dykuma - iššūkis migruojantiems paukščiams.
3. Popular scientific article in „Paukščiai“ Nr. 52 (2021): Neįtikėtinas skrydžių aukštis.