

Publications

Ševčík, R., J. Riegert, K. Šťastný, J. Zárybnický, and M. Zárybnická. 2021. The effect of environmental variables on owl distribution in Central Europe: A case study from the Czech Republic. *Ecological Informatics* **64**:101375. <https://doi.org/10.1016/j.ecoinf.2021.101375>

Authors contribution:

M. Zárybnická and J. Zárybnický conceived and designed the research topic and settled research questions.

J. Riegert, M. Zárybnická, and **R. Ševčík** performed the analyses and created figures.

M. Zárybnická, **R. Ševčík**, and J. Riegert wrote the manuscript.

K. Šťastný contributed the data.

J. Zárybnický and M. Zárybnická synthesized the data.

R. Ševčík, M. Zárybnická, J. Riegert, K. Šťastný, and J. Zárybnický edited the manuscript.

Total contribution of **R. Ševčík**: 50%

Ševčík, R., B. Kloubec, J. Riegert, J. Šindelář, M. Kouba, and M. Zárybnická. 2022. Forest structure determines nest box use by Central European boreal owl. *Scientific Reports* **12**:4735. <https://doi.org/10.1038/s41598-022-08792-y>

Authors contribution:

M. Zárybnická and B. Kloubec conceived and designed the research topic and field experiment.

M. Zárybnická and **R. Ševčík** wrote and revised the manuscript.

J. Riegert, M. Zárybnická and **R. Ševčík** analyzed and visualized data.

R. Ševčík analyzed audio recordings.

R. Ševčík, B. Kloubec, J. Šindelář, M. Kouba and M. Zárybnická collected field data.

R. Ševčík, M. Zárybnická, B. Kloubec, J. Riegert, J. Šindelář, and M. Kouba edited the manuscript.

Total contribution of **R. Ševčík**: 70%

Ševčík, R., J. Riegert, J. Šindelář, and M. Zárybnická. 2019. Vocal activity of the Central European Boreal Owl population in relation to varying environmental conditions. *Ornis Fennica* **96**:1-12.

Authors contribution:

M. Zárybnická, **R. Ševčík**, and J. Šindelář conceived and designed the research topic and field experiment.

R. Ševčík and M. Zárybnická wrote original draft and revised the manuscript.

R. Ševčík and J. Šindelář collected field data.

R. Ševčík analyzed audio recordings.

J. Riegert, M. Zárybnická and **R. Ševčík** analyzed and visualized data.

R. Ševčík, M. Zárybnická, J. Riegert, and J. Šindelář edited the manuscript.

Total contribution of **R. Ševčík**: 80%

Conferences

1. Kostelecké inspirování 2017: Vocal activity of boreal owl in Central Europe: effect of food supply and environmental factors,
2. KAGÚP Chloumek 2018: Bioacoustic monitoring of boreal owl in the Ore Mountains: the effect of environmental conditions and interspecific competition
3. Zoologické dny 2020: The effect of elevation on the distribution of owls in the Czech Republic.

Cooperation

Cooperation with Institute of Vertebrate Biology CAS during doctoral study.

Project:

Determining the food supply in little owl's territories using captures of small mammals and beetles from the family ground beetles (Carabidae) – field work, data processing.

