Rimvydas Juškaitis

CONTACT INFORMATION

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E-mail:	rimvydas.juskaitis@gamtc.lt orcid.org/0000-0003-0254-9198 https://www.researchgate.net/profile/Rimvydas-Juskaitis https://scholar.google.com/citations?user=Z6axGFgAAAAJ&hl=lt&oi=ao

EDUCATION AND ACADEMIC DEGREE

1993	Lithuanian Scientific Council nostrified for the degree of the Doctor of Natural Science
1990	Leningrad University, degree of the Candidate of Science (equal to Ph.D.). Thesis title: "Population structure and ecological relations of the common dormouse in Lithuania"; supervisor – Dr. A.E. Airapetjanc
1977 – 1982	Vilnius University, qualification of biologist, teacher of biology and chemistry

PROFESSIONAL EXPERIENCE

2022 – until now	**Senior researcher** Nature Research Centre, Laboratory of Mammalian Ecology
2012 – 2022	**Leading researcher** Nature Research Centre, Laboratory of Mammalian Ecology
1998 – 2012	**Senior researcher** Institute of Ecology, Laboratory of Theriology
1994 – 1998	**Researcher** Institute of Ecology, Laboratory of Theriology
1991 – 1994	**Senior biologist** Department of Nature Protection, Central Laboratory of Environmental Research
1990 – 1991	**Leading zoologist** Department of Nature Protection of the Republic of Lithuania
1985 – 1990	**Junior researcher** Institute of Zoology and Parasitology, Laboratory of Theriology
1982 – 1985	**Senior laboratory assistant** Institute of Zoology and Parasitology, Laboratory of Theriology

RESEARCH INTERESTS

Ecology, population structure and dynamics of dormice (Gliridae) and other small mammals; Ecology of nestbox dwellers (mammals, hollow-nesting birds, social insects).

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science" database (with citation index). Total list includes 57 publications, 13 articles published during the last 5 years:

1. Combe F. J., **Juškaitis R.**, Trout R. C., Bird S., Ellis J. S., Norrey J., Al-Fulaij N., White I., Harris W. E. 2022. Density and climate effects on age-specific survival and population growth: consequences for hibernating mammals. *Animal Conservation* (accepted 24 November 2022). https://doi.org/10.1111/acv.12843
2. Vriend S. J. G., Grotan V., Gamelon M., Adriaensen F., Ahola M. P., Alvarez E., Bailey L. D., Barba E., Bouvier J.-Ch., Burgess M. D., Bushuev A., Camacho C., Canal D., Charmantier A., Cole E. F., Cusimano C., Doligez B. F., Drobniak S. M., Dubiec A., Eens M., Eeva T., Erikstad K. E., Ferns P. N. Goodenough A. E., Hartley I. R., Hinsley Sh. A., Ivankina E., **Juškaitis R.**, Kempenaers B., Kerimov A. B., Kalas J. A. Lavigne C., Leivits A., Mainwaring M. C., Martinez-Padilla J., Matthysen E., van Oers K., Orell M., Pinxten R., Reiertsen T. K., Rytkönen S., Senar J. C., Sheldon B. C., Sorace A., Török J., Vatka E., Visser M. E. & Saether B-E. 2022. Temperature synchronizes temporal variation in laying dates across European hole-nesting passerines. *Ecology* (published on-line 31 October 2022). https://doi.org/10.1002/ecy.3908
3. Bailey L., van de Pol M., Adriaensen F., Arct A., Barba E., Bellamy P., Bonamour S., Bouvier J., Burgess M., Charmantier M., Cusimano C., Doligez B., Drobniak S., Dubiec A., Eens M., Eeva T., Ferns P., Goodenough A., Hartley I., Hinsley S., Ivankina E., **Juškaitis R**., Kempenaers B., Kerimov A., Lavigne C., Leivits A., Mainwaring M., Matthysen E., Nilsson J., Orell M., Rytkanen S., Senar J., Sheldon B., Sorace A., Stenning M. Török J., van Oers K., Vatka E., Vriend S. & Visser M. 2022. Bird populations most exposed to climate change are less sensitive to climatic variation. *Nature Communications* 13, 2112. https://doi.org/10.1038/s41467-022-29635-4
4. Marsh Ch.J., Sica Y.V., Burgin C.J., Dorman W.D., Anderson R.C., del Toro Mijares I., Vigneron J.G., Barve V., Dombrowik V.L., Duong M., Guralnick R., Hart J.A., Maypole J.K., McCall K., Ranipeta A., Schuerkmann A., Torselli M.A., Lacher T.Jr., Mittermeier R.A., Rylands A.B., Sechrest W., Wilson D.E., Abba A.M., Aguirre L.F., Arroyo-Cabrales J.,Astúa D., Baker A.M., Braulik G., Braun J.K., Brito J., Busher P.E., Burneo S.F., Camacho M.A., Cavallini P., de Almeida Chiquito E., Cook J.A., Cserkész T., Csorba G., Cuéllar Soto E., da Cunha Tavares V., Davenport T.R.B, Deméré T., Denys Ch., Dickman C.R., Eldridge M.D.B., Fernandez-Duque E., Francis Ch.M., Frankham G., Franklin W.L., Freitas T., J. Friend A., Gadsby E.L., Garbino G.S.T., Gaubert P., Giannini N., Giarla T., Gilchrist J.S., Gongora J., Goodman S.M., Gursky-Doyen S., Hackländer K., Hafner M.S., Hawkins M., Helgen K.M., Heritage S., Hinckley A., Hintsche S., Holden M., Holekamp K.E., Honeycutt R.L., Huffman B.A., Humle T., Hutterer R., Ulargui C.I., Jackson S.M., Janecka J., Janecka M., Jenkins P., **Juškaitis R.**, Juste J., Kays R., Kilpatrick C.W., Kingston T., Koprowski J.L., Kryštufek B.,Lavery T., Lee T.E.Jr., Leite Y.L.R., Novaes R.L.M., Lim B.K., Lissovsky A., López-Antoñanzas R., López-Baucells A., MacLeod C.D., Maisels F.G., Mares M.A., Marsh H., Mattioli S., Meijaard E., Monadjem A., Morton F.B., Musser G., Nadler T., Norris R.W., Ojeda A., Ordóñez-Garza N., Pardiñas U.F.J., Patterson B.D., Pavan A., Pennay M., Pereira C., Prado J., Queiroz H.L., Richardson M., Riley E.P., Rossiter S.J., Rubenstein D.I., Ruelas D., Salazar-Bravo J., Schai-Braun S., Schank C.J., Schwitzer C., Sheeran L.K., Shekelle M., Shenbrot G., Soisook P., Solari S., Southgate R., Superina M., Taber A.B., Talebi M., Taylor P., Dinh T.V., Ting N., Tirira D.G., Tsang S., Turvey S.T., Valdez R., Van Cakenberghe V., Veron G., Wallis J., Wells R., Whittaker D., Williamson E.A., Wittemyer G., Woinarski J., Zinner D., Upham N.S. & Jetz W. 2022. Expert range maps of global mammal distributions harmonised to three taxonomic authorities. *Journal of Biogeography*, 49 (5): 979–992. https://doi.org/10.1111/jbi.14330
5. Leyhausen J., Cocchiararo B., Nowak C., Ansorge H., Bertolino B., Büchner S., Fietz J., Foppen R., **Juškaitis R.**, La Haye M., Lang J., Michaux J., Verbeylen G., von Thaden A. & Mueller S.A. 2022. Genotyping-by-Sequencing based SNP discovery in a non-model rodent,

the endangered hazel dormouse. *Conservation Genetics Resources*. https://doi.org/10.1007/s12686-022-01253-8

6. **Juškaitis R**. 2021. Is nesting in closed nestboxes advantageous for the European Robin (*Erithacus rubecula*)? Avian Research, 12: Article 21. https://doi.org/10.1186/s40657-021-00263-8
7. **Juškaitis R**. 2020. Hazel dormice (*Muscardinus avellanarius*) in a regenerating clearing: the effects of clear-felling and regrowth thinning on long-term abundance dynamics. *European Journal of Wildlife Research*, 66 (4): Article 48. https://doi.org/10.1007/s10344-020-01392-z
8. **Juškaitis R**. 2020. Different preferences for new versus old nestboxes by birds, rodents and social insects. *Biologia*, 75 (12): 2327–2330. https://doi.org/10.2478/s11756-020-00493-z
9. **Juškaitis R.**, Keturka K. & Balčiauskas L. 2020. Spatial dynamics of a hazel dormouse (*Muscardinus avellanarius*) population at different densities. *Mammal Research*, 65 (1): 49–58. https://doi.org/10.1007/s13364-019-00452-3
10. Møller A.P., Balbontín J., Dhondt A.A., Adriaensen F., Artemyev A., Bańbura J., Barba E., Biard C., Blondel J., Bouvier J., Camprodon J., Cecere F., Charter M., Cichoń M., Cusimano C., Dubiec A., Eens M., Eeva T., Ferns P.N., Forsman J.T., Goldshtein A., Goodenough A.E., Gosler A.G., Gustafsson L., Harnist I., Hartley I.R., Heeb P., Hinsley S.A., Jacob S., Järvinen A., **Juškaitis R.**, Korpimäki E., Krams I., Laaksonen T., Leclercq B., Lehikoinen E., Loukola O., Mainwaring M.C., Mänd R., Massa B., Matthysen E., Mazgajski T.D., Merino S., Mitrus C., Mönkkönen M., Nager R.G., Nilsson J., Nilsson S.G., Norte A.C., von Numers M., Orell M., Pimentel C.S., Pinxten R., Priedniece I., Remeš V., Richner H., Robles H., Rytkönen S., Senar J.C., Seppänen J.T., da Silva L.P., Slagsvold T., Solonen T., Sorace A., Stenning M.J., Török J., Tryjanowski P., van Noordwijk A.J., Walankiewicz W. & Lambrechts M.M. 2020. Interaction of climate change with effects of conspecific and heterospecific density on reproduction. *Oikos*, 129 (12): 1807–1819. https://doi.org/10.1111/oik.07305
11. **Juškaitis R.** 2018. Dormouse (Gliridae) status in Lithuania and surrounding countries: a review. *Folia Zoologica*, 67 (2): 64–68. https://doi.org/10.25225/fozo.v67.i1.a6.2018
12. Balčiauskas L., Balčiauskienė L. & **Juškaitis R.** 2018. Body size and craniometry of the herb field mouse from Lithuania in the context of species range. *Biologia*, 73 (4): 351–359, https://doi.org/10.2478/s11756-018-0043-4
13. Møller A. P., Balbontín J., Dhondt A. A., Remeš V., Adriaensen F., Biard C., Camprodon J., Cichoń M., Doligez B., Dubiec A., Eens M., Eeva T., Goodenough A. E., Gosler A. G., Gustafsson L., Heeb P., Hinsley S. A., Jacob S., **Juškaitis R.**, Laaksonen T., Leclercq B., Massa B., Mazgajski T. D., Nager R. G., Nilsson J., Nilsson S. G., Norte A. C., Pinxten R., Robles H., Solonen T., Sorace A., van Noordwijk A. J. & Lambrechts M. M. 2018. Effects of interspecific co-existence on laying date and clutch size in two closely related species of hole-nesting birds. *Journal of Animal Ecology*, 87 (6): 1738–1748. https://doi.org/10.1111/1365-2656.12896

Monographs and other books:

1. Holden-Musser M.E., **Juškaitis R.** & Musser G.M. 2016. Family Gliridae (Dormice). In: Wilson D.E., Lacher T.E., Jr & Mittermeier R.A. (eds). Handbook of the Mammals of the World. Vol. 6. Lagomorphs and Rodents I. Barselona, Lynx Edicions, pp. 838–889.
2. **Juškaitis R.** 2014. The Common Dormouse *Muscardinus avellanarius*: Ecology, Population Structure and Dynamics. 2nd edition. Nature Research Centre Publishers, Vilnius, 195 pp.
3. **Juškaitis R.** & Büchner S. 2013. The Hazel Dormouse *Muscardinius avellanarius*. NBB English Edition, vol. 2. Westarp Wissenschaften, Hohenwarsleben, 173 pp.
4. **Juškaitis R.** & Büchner S. 2010. Die Haselmaus *Muscardinus avellanarius*. Die Neue Brehm-Bücherei, Bd. 670. Westarp Wissenschaften, Hohenwarsleben, 181 S.

5. **Juškaitis R.** 2010. Nestbox dwellers: birds, mammals, social insects. Lututė, Kaunas,160 p. (in Lithuanian)
6. **Juškaitis R.** 2008. The Common Dormouse *Muscardinus avellanarius*: Ecology, Population Structure and Dynamics. Institute of Ecology of Vilnius University Publishers, Vilnius, 163 p.
7. Ulevičius A., **Juškaitis R.** 2005. Tracks and other signs of activity of Lithuanian mammals. Lututė, Kaunas, 248 p. (in Lithuanian)
8. Balčiauskas L., Trakimas G., **Juškaitis R.**, Ulevičius A., Balčiauskienė L. 1999. Atlas of Lithuanian mammals, amphibians and reptiles. Second updated edition. Akstis, Vilnius, 120 p. (in Lithuanian)
9. Balčiauskas L., Trakimas G., **Juškaitis R.**, Ulevičius A., Balčiauskienė L. 1997. Atlas of Lithuanian mammals, amphibians and reptiles. Akstis: Vilnius, 112 p. (in Lithuanian).

Co-author of books:

1. Rašomavičius, V. (ed.). 2021. Red Data Book of Lithuania. Animal, plants, fungi. Lututė, Vilnius, 683 p. (in Lithuanian)
2. Vaitonis G. (comp.). 2015. Strictly protected species of Lithuania. Petro ofsetas, Vilnius, 111 p. (in Lithuanian)
3. Marshall Cavendish Corporation (comp.). 2010. World and Its Peoples. Europe 8. Estonia, Latvia, Lithuania, and Poland. New York: Marshall Cavendish Reference.
4. Arbačiauskas K. (comp.). 2009. Methods of fauna montoring. Vilnius, Institute of Ecology of Vilnius university, 161 p. (in Lithuanian)
5. Rašomavičius V. (ed.). 2007. Red Data Book of Lithuania. Lututė, Vilnius, 800 p. (in Lithuanian)
6. Balevičius K. (ed.). 1992. Red Data Book of Lithuania. Department of Environmental Protection, Vilnius, 364 p. (in Lithuanian)
7. Logminas V. (comp.) 1991. Fauna of Lithuania. Birds. T. 2. Mokslas, Vilnius, 254 p. (in Lithuanian)
8. Prūsaitė J. (comp.) 1988. Fauna of Lithuania. Mammals. Mokslas, Vilnius, 295 p. (in Lithuanian)

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2011 – 2015	**Project leader.** „Peculiarities of dormouse (Gliridae) populations on the north-western periphery of their distribution ranges**”.** Funded by the European Social Fund under the Global Grant measure (grant No VPI-3.1-ŠMM-07-K-01-026).
2005 – 2007	**Project implementor** „EU-wide monitoring methods and systems of surveillance for species and habitats of Community interest (2005–2007)” – funded by the EU-Commission under the 6th Framework Programme

INTERNSHIP AND TRAINING

16–19 October 2022	Practical workshop „Monitoring of the hazel dormouse (*Muscardinus avellanarius*) under the EU Habitats Directive” (Biosphere Reserve Rhön, Germany).

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences *(the last 5 years):*

1. **Juškaitis R.** 2022. Dormice (Gliridae) in the diet of predators in Eurasia: a review. 11th International Dormouse Conference (May 9-13, 2022). Bulgaria, Svilengrad. ARPHA Conference Abstracts 5: e82403. https://doi.org/10.3897/aca.5.e82403
2. Berg T.B., Colchero F., Jones O., Sanderhoff L.B., **Juškaitis R**. 2022. The effect of climate on age specific survival and senescence in a Hazel Dormouse (*Muscardinus avellanarius*) population in Lithuania, across 1997–2021. 11th International Dormouse Conference (May 9-13, 2022). Bulgaria, Svilengrad. ARPHA Conference Abstracts 5: e85540. https://doi.org/10.3897/aca.5.e85540
3. El Mojahid A., Nedyalkov N., Astaras C., **Juškaitis R.**, Bivoleanu R-A., Ladurner E., Aloise G., Stakheev V.V., Michaux J., Mouton A. 2022. Evolutionary history of the Forest Dormouse (*Dryomys nitedula)*. 11th International Dormouse Conference (May 9-13, 2022). Bulgaria, Svilengrad. ARPHA Conference Abstracts 5: e82809. https://doi.org/10.3897/aca.5.e82809
4. Juškaitis R. 2021. Long-term abundance dynamics in four dormouse (Gliride) populations in Lithuania. 11th Baltic theriological conference, 25-27 January 2021, Kaunas, Lithuania. Abstract Book, p. 16. https://btc.vdu.lt/wp-content/uploads/2021/02/ABSTRACT-BOOK-BTC-2021.pdf
5. Barščevska J., **Juškaitis R.** 2021. Nest boxes vs nocturnal acoustic surveys for estimation of habitat parameters of the edible dormouse (*Glis glis*). 11th Baltic theriological conference, 25-27 January 2021, Kaunas, Lithuania. Abstract Book, p. 9. https://btc.vdu.lt/wp-content/uploads/2021/02/ABSTRACT-BOOK-BTC-2021.pdf
6. **Juškaitis R.** 2022. Methods and results of range mapping of the hazel dormouse (Muscardinus avellanarius) in Lithuania. In: Ludwig M., Sutcliffe L. & Büchner S. (eds.) Monitoring of the hazel dormouse under the EU Habitats Directive in member states around the Baltic Sea. Proceedings of the Workshop held on the island of Vilm on 29th and 30th of October 2018. BfN-Skripten 621. P. 17–19. https://www.bfn.de/publikationen/bfn-schriften/bfn-schriften-621-monitoring-hazel-dormouse-under-eu-habitats-directive
7. Ludwig M., Bína P., Heinrich M., Jurczyszyn M., **Juškaitis R.**, Klar N., van der Kooij J., Møller J. D., Müller B., Pilāts V. & Büchner S. 2022. Outcome of the workshop sessions about assessing the range. In: Ludwig M., Sutcliffe L. & Büchner S. (eds.) Monitoring of the hazel dormouse under the EU Habitats Directive in member states around the Baltic Sea. Proceedings of the Workshop held on the island of Vilm on 29th and 30th of October 2018. BfN-Skripten 621. P. 26–31. https://www.bfn.de/publikationen/bfn-schriften/bfn-schriften-621-monitoring-hazel-dormouse-under-eu-habitats-directive
8. **Juškaitis R.** 2022. Long-term data on abundance dynamics of the hazel dormouse (Muscardinus avellanarius) population in Lithuania. In: Ludwig M., Sutcliffe L. & Büchner S. (eds.) Monitoring of the hazel dormouse under the EU Habitats Directive in member states around the Baltic Sea. Proceedings of the Workshop held on the island of Vilm on 29th and 30th of October 2018. BfN-Skripten 621. P. 48–49. https://www.bfn.de/publikationen/bfn-schriften/bfn-schriften-621-monitoring-hazel-dormouse-under-eu-habitats-directive
9. Ludwig M., Heinrich M., **Juškaitis R.**, van der Kooij J., Møller J. D., Berg T. B., Stab S. & Büchner S. 2022. Outcome of the workshop sessions on assessing populations. In: Ludwig M., Sutcliffe L. & Büchner S. (eds.) Monitoring of the hazel dormouse under the EU Habitats Directive in member states around the Baltic Sea. Proceedings of the Workshop held on the island of Vilm on 29th and 30th of October 2018. BfN-Skripten 621. P. 61–66. https://www.bfn.de/publikationen/bfn-schriften/bfn-schriften-621-monitoring-hazel-dormouse-under-eu-habitats-directive

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Field of science: Biomedical Sciences, Ecology and Environmental Science (03 B)

Arūnas Samas	Thesis title: „Impact of the keystone species, the Eurasian beaver (*Castor fiber*), on habitat structure and it's significance to mammals"	2011–2015

Supervision of bachelor and master students: supervisor of 5 bachelor and 3 master students in Life Science Center of Vilnius university

OTHERS

1. Expert for the Lithuanian Research Council (2011 – until now);
2. Expert for the Center for Quality Assessment in Higher Education (2022);
3. Reviewer of 91 manuscripts for 35 international scientific journals;
4. Member of the scientific committees of the III, IV, V, VI, VIII, IX, X and XI International conferences on dormice (Rodentia, Gliridae) (Croatia, 1996; Turkey, 1999; Hungary, 2002; Poland, 2005; Germany, 2011; Denmark, 2014; Belgium, 2017; Bulgaria 2022);