

Marius Jasiulionis

CONTACT INFORMATION

Address Akademijos Str. 2, Vilnius LT-08412, Lithuania
Tel. no.: +370 5 272 92 78
E-mail: marius.jasiulionis@gamtc.lt
<https://orcid.org/0000-0001-6303-7415>
<https://www.researchgate.net/profile/Jasiulionis-Marius>

EDUCATION AND ACADEMIC DEGREE

2016 – 2020 Vilnius University, Doctoral Degree of Ecology and Environmental Science (Nr. VV 002318) Thesis: "Impact of the colonies of great cormorants (*Phalacrocorax carbo sinensis*) on mammals"

2005 – 2007 Vilnius University, Faculty of Natural Sciences, Master of Ecology and Environmental Studies
Thesis: „The impact of beaver (*Castor fiber*) on canals of land reclamation“

1993 – 1997 Vilnius University, Faculty of Natural Sciences, Bachelor of Biology
Thesis: „The impact of beaver (*Castor fiber*) on drainage systems in clay plains“

PROFESSIONAL EXPERIENCE

2020 – until now Institute of Ecology of Nature Research Centre, researcher

2012 – 2020 Institute of Ecology of Nature Research Centre, junior researcher

2010 – 2012 Institute of Ecology of Nature Research Centre, biologist

2009 – 2010 Institute of Ecology of Vilnius University, biologist

2007 – 2009 Anykščiai Regional Park, recreation manager

2005 – 2009 Institute of Ecology of Vilnius University, laboratory assistant

RESEARCH INTERESTS

Investigations of mammal species diversity, abundance and dynamics, habitat and spatial distribution, demographical structure and ecology of populations. Invasive mammal status studies. Application of new technologies (trail camera, UAV, etc.) to mammal research.

PUBLICATIONS

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

1. Rudaitytė-Lukošienė, E., **Jasiulionis, M.**, Balčiauskas, L., Prakas, P., Stirė, V., Butkauskas, D. (2022) Morphological and molecular description of *Sarcocystis myodes* n. sp. from the Bank Vole (*Clethrionomys glareolus*) in Lithuania. *Biology*, 11 (4): art. no. 512.
2. **Jasiulionis, M.**, Balčiauskas, L. (2021) Seasonal and daily activity patterns of mammals in the colony of great cormorants. *Mammalia*, 85 (5): 439–447.

3. Balčiauskas, L., Skipitytė, R., Balčiauskienė, L., **Jasiulionis, M.** (2019) Resource partitioning confirmed by isotopic signatures allows small mammals to share seasonally flooded meadows. *Ecology and Evolution*. 9 (9): 5479-5489.
4. **Jasiulionis, M.**, Balčiauskas, L., Balčiauskienė, L., Taraškevičius, R. (2018) Accumulation of chemical elements in yellow-necked mice under a colony of great cormorants. *Chemosphere*. 213: 156-163.
5. Simanavičius, M., Juškaitė, K., Verbickaitė, A., **Jasiulionis, M.**, Tamošiūnas, P.L., Petraitytė-Burneikienė, R., Žvirblienė, A., Ulrich, R.G., Kučinskaitė-Kodžė, I. (2018) Detection of rat hepatitis E virus, but not human pathogenic hepatitis E virus genotype 1-4 infections in wild rats from Lithuania, *Veterinary Microbiology*. 221: 129-133.
6. Balčiauskas, L., Skipitytė, R., **Jasiulionis, M.**, Balčiauskienė, L., Remeikis, V. (2018) Immediate increase in isotopic enrichment in small mammals following the expansion of a great cormorant colony. *Biogeosciences*. 15 (2): 3883-3891.
7. Balčiauskas, L., Skipitytė, R., **Jasiulionis, M.**, Trakimas, G., Balčiauskienė, L., Remeikis, V. (2016) The impact of Great Cormorants on biogenic pollution of land ecosystems: Stable isotope signatures in small mammals. *Science of the Total Environment*. 565: 376-383.
8. Balčiauskas L., Balčiauskienė L., **Jasiulionis M.** (2015) Mammals under a colony of great cormorants: population structure and body condition of yellow-necked mice. *Turkish Journal of Zoology*. 39 (5): 941-948.
9. Balčiauskienė L., Balčiauskas L., **Jasiulionis M.** (2015) Skull variability of mice and voles inhabiting the territory of a great cormorant colony. *Biologia*. 70 (10): 1406-1414.
10. Balčiauskienė, L., **Jasiulionis, M.**, Balčiauskas, L. (2014) Loss of diversity in a small mammal community in a habitat influenced by a colony of great cormorants. *Acta Zoologica Bulgarica*. 66 (2): 229-234.
11. Balčiauskas, L., **Jasiulionis, M.** (2012) Reducing the incidence of mammals on public highways using chemical repellent. *The Baltic journal of road and bridge engineering*. 7 (2): 92–97.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2019 – 2022	Research on the status of invasive and alien species in Lithuania
2015 – 2018	Development of new diagnostic tools for hepatitis E virus (HEV) and studies on HEV prevalence in Lithuania (MIP-039/2015).
2014 – 2015	Evaluation of the effectiveness of measures ensuring the safe interaction of wild animals and road users installed on highways of national importance and proposals for their improvement
2012 – 2014	Colony of Great Cormorants in forest ecosystem – hypertrophication effect and rates of dynamics, (LEK-3/2012).
2009 – 2011	Implementation of measures for the protection of rare species and regulation of the abundance of invasive species

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Jasiulionis, M.**, Balčiauskas, L., Balčiauskienė, L. 2022. Are cormorant colonies influencing fluctuations of small mammal populations? 11th International Conference on Biodiversity Research, October 20–22, Daugavpils, Latvia. Book of abstracts, Daugavpils University Academic Press “Saule”, p. 59.
2. **Jasiulionis, M.**, Balčiauskas, L., Balčiauskienė, L. 2021. Impact of the Colonies of Great Cormorants (*Phalacrocorax carbo sinensis*) on Small Mammals Communities. 1st

- International Electronic Conference on Biological Diversity, Ecology and Evolution session Animal Diversity. 23 March, 2021. DOI: 10.3390/BDEE2021-09441
3. Balčiauskas, L., **Jasiulionis, M.**, Balčiauskienė, L., Skipitytė., R., 2019. Living on the tough side: mammals in the great cormorant colonies. 11th International Symposium of Integrative Zoology. Albany, Auckland, New Zealand.
 4. **Jasiulionis, M.**, Balčiauskienė, L., Balčiauskas, L., 2019. Living under a rain of faeces: mammals in the colony of cormorants. 62nd international conference for students of physics and natural sciences. OPEN READINGS 2019. Vilnius, Lithuania.
 5. **Jasiulionis, M.**, Balčiauskas, L., 2019. Seasonal and daily activity of mammals in the colony of cormorants. 3rd International Conference on Life and Environmental Sciences "Smart Bio". Kaunas, Lithuania.
 6. Taraškevičius, R., Čičiurkaitė, I., Garnaga-Budrė, G., **Jasiulionis, M.**, Lesutienė, J., Montvydienė, D., Suzdalev, S., Vaitkevičienė, V., 2018. Spektrometro SPECTRO XEPOS HE galimybės aplinkos mėginių cheminės sudėties tyrimuose. 11-oji nacionalinė jūros mokslų ir technologijų konferencija „Jūros ir krantų tyrimai 2018“. Klaipėda, Lithuania.
 7. **Jasiulionis, M.**, Skipitytė R., Balčiauskienė, L., Trakimas, G., Balčiauskas, L., Remeikis, V. 2015. Stable isotope signatures in small mammals living in the colonies of great cormorants. 8th International conference on biodiversity research. Daugavpils University Institute of life Science and Technology, Latvia, 28–30 April, 2015: Book of Abstracts. Daugavpils University Academic Press „Saule“, Daugavpils, 2015: p.70 ISBN 978-9984-14-687-4.
 8. **Jasiulionis, M.**, Taraškevičius R., Balčiauskienė, L., Balčiauskas, L., Alejūnas, P. 2015. Introductory study of accumulation of chemical elements in yellow-necked mice and bank voles in the territory of great cormorant colony. 8th International conference on biodiversity research. Daugavpils University Institute of life Science and Technology, Latvia, 28–30 April, 2015: Book of Abstracts. Daugavpils University Academic Press „Saule“, Daugavpils, 2015: p.71 ISBN 978-9984-14-687-4.
 9. Mažeika, V., Navickaitė, D., **Jasiulionis, M.**, Balčiauskienė, L. 2015. An investigation on helminths of yellow-necked mouse (*Apodemus flavicollis*) and bank vole (*Myodes glareolus*) from the colony of Great Cormorants in Juodkrantė. 8th International conference on biodiversity research. Daugavpils University Institute of Life Science and Technology, Latvia, 28–30 April, 2015: Book of Abstracts. Daugavpils University Academic Press „Saule“, Daugavpils, 2015: p.71 ISBN 978-9984-14-687-4.
 10. **Jasiulionis, M.**, Balčiauskienė, L., Balčiauskas, L. 2014. Mammal community in a habitat influenced by a colony of great cormorant. 9th Baltic Theriological Conference. Daugavpils, 16–18 October, 2014. Book of abstracts. Daugavpils University Academic Press “Saule”, Daugavpils 2014: p. 57. ISBN 978-9984-14-687-4.
 11. Čepukienė, A., Balčiauskas, L., **Jasiulionis, M.** 2014. Small mammal community changes during early forest succession stages. 9th Baltic Theriological Conference. Daugavpils, 16–18 October, 2014. Book of abstracts. Daugavpils University Academic Press “Saule”, Daugavpils 2014: p. 46. ISBN 978-9984-14-687-4.
 12. Mažeika, V., Kupstaitė, V., **Jasiulionis, M.** 2014. Helminths of Rats (*Rattus* spp.) in Lithuania. 9th Baltic Theriological Conference. Daugavpils, 16–18 October, 2014. Book of abstracts. Daugavpils University Academic Press “Saule”, Daugavpils 2014: p. 68. ISBN 978-9984-14-687-4.
 13. Mažeika V., Navickaitė D., **Jasiulionis M.**, Balčiauskienė L. 2014 Helminths of yellow-necked mouse (*Apodemus flavicollis*) trapped in the territory of colony of Great Cormorants. 9th Baltic Theriological Conference. Daugavpils, 16–18 October, 2014: Book of Abstracts. Daugavpils University Academic Press “Saule”, Daugavpils 2014: p. 69. ISBN 978-9984-14-687-4.
 14. Balčiauskienė, L., **Jasiulionis, M.**, Balčiauskas, L. 2014. Under an onslaught of faeces: Small mammals in a colony of Great Cormorants. 88th Annual Meeting of the German

- Society for Mammalian Biology Giessen (Germany), 1st–4th September 2014: Abstracts of Oral Communications and Poster Presentations. Mammalian Biology. Special issue to volume 79: p. 4. ISSN 1616-5047
15. Balčiauskienė, L., **Jasiulionis, M.**, Balčiauskas, L. 2013. Small mammals in the biggest colony of Great Cormorant in Lithuania. VII International Conference „Research and conservation of biological diversity in Baltic Region“ Daugavpils University, Latvia, 25–27 April, 2013: Book of Abstracts. Daugavpils University Academic Press „Saule“, Daugavpils, 2013: p. 17. ISBN 978-9984-14-616-4.
 16. **Jasiulionis, M.**, Balčiauskienė, L., Balčiauskas, L. 2013. Didžiųjų kormoranų (*Phalacrocorax carbo*) kolonijos poveikis smulkiųjų žinduolių bendrijai. 7-oji nacionalinė jūros mokslų ir technologijų konferencija Jūros ir krantų tyrimai – 2013. 2013 m. balandžio 3–5 d: Konferencijos medžiaga. Klaipėda, 2013, Klaipėdos universiteto Baltijos pajūrio aplinkos tyrimų ir planavimo institutas: p. 111. ISBN 978-9986-31-379-3
 17. Čepukienė, A., **Jasiulionis, M.** 2012. Meadow-forest succession impact on small mammal communities in North Lithuania. 2012 balandžio 12. 15-oji jaunųjų mokslininkų konferencija „Mokslas – Lietuvos ateitis“: p. 8.
 18. **Jasiulionis, M.** 2011. New data about rat distribution in Lithuania. 8th Baltic Theriological Conference. Palanga, 7–9 October, 2011: Book of abstracts: p. 19. ISBN 978-9986-443-57-5
 19. Čepukienė, A., **Jasiulionis, M.**, Balčiauskas, L. 2011. Seasonal dynamics of small mammal population in East Lithuania. 8th Baltic Theriological Conference. Palanga, 7–9 October, 2011: Book of Abstracts: p 19. ISBN 978-9986-443-57-5
 20. **Jasiulionis M.**, Ulevičius A. 2009. Beaver sites spatial characteristics and distribution in different type of melioration channels in flatland and hilly landscapes. Daugavpils, 22–24 April, 2009. 5th International Conference “Research and conservation of biological diversity in Baltic region”: p. 59.
 21. Ulevičius A., **Jasiulionis M.** 2006. Canals of land reclamation as the beaver (*Castor fiber*) habitat in Lithuania. Freising, Germany, 11-14 September, 2006. International Beaver Symposium (4th European Beaver Symposium/3rd Euro-American Beaver Congress): p. 62.
 22. Ulevičius, A., **Jasiulionis, M.** 2005. Retrospective analysis of beaver sites in canals of land-reclamation using aerial photographs. 6th Baltic Theriological Conference. Latvia, 11–15 November 2005: Abstracts: p. 58.