

Ana Budrienė

CONTACT INFORMATION

Address Akademijos Str. 2, Vilnius LT-08412, Lithuania
Tel. no.: +370 5 272 92 57
E-mail: ana.budriene@gamtc.lt
ORCID: 0000-0002-0963-5876
<https://www.researchgate.net/profile/Anna-Budriene>
<https://scholar.google.com/citations?hl=lt&user=t-E0xd0AAAAJ>

EDUCATION AND ACADEMIC DEGREE

2004 Ph-D in Ecology and Environmental Research (extern) – “Reproductive ecology and behaviour of predatory wasps (Hymenoptera: Eumeninae)” – Vilnius University and Institute of Ecology of Vilnius University

1978 – 1984 Bachelor and Master in Biology–Zoology – “Temperature effects on the brain neuroendocrine system reactivation in the diapausing larvae of the knot grass moth, *Acronicta rumicis* ” – Saint Petersburg State University (Russia)

PROFESSIONAL EXPERIENCE

2019 – until now Senior researcher– Institute of Ecology, Nature Research Centre

2010 – 2019 Researcher – Institute of Ecology, Nature Research Centre

2005 – 2010 Researcher – Institute of Ecology of Vilnius University

2003 – 2004 Junior researcher – Institute of Ecology of Vilnius University

1995 – 2003 Assistant – Institute of Ecology of Vilnius University

1990 – 1994 Laboratory assistant – Institute of Ecology of Vilnius University

1988 – 1989 Laboratory assistant – Institute of Zoology and Parazitology of the Lithuanian Academy of Sciences

1985 – 1988 Senior entomologist – Saint Petersburg' Department of Disinfection; Saint Petersburg (Russia)

RESEARCH INTERESTS

Behavioural ecology of Hymenoptera; evolutionary ecology; predator-prey interactions and related species traits.

PUBLICATIONS

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

1. **Budrienė A.**, Budrys E., Orlovskytė S. 2021. A bilateral gynandromorph of *Discoelius dufourii* (Hymenoptera, Vespidae, Zethinae): morphology and mating behaviour. *Journal of Hymenoptera Research* 81: 23–41. <https://doi.org/10.3897/jhr.81.61550>
2. Budrys E., **Budrienė A.**, Orlovskytė S., Soon V. 2019. Two new species of *Diodontus* (Hymenoptera: Pemphredonidae) from Western Mediterranean and their phylogenetic relationships. *The Canadian Entomologist* 151(5): 558–583. <https://doi.org/10.4039/tce.2019.46>
3. Skrodenytė-Arbačiauskienė V., **Budrienė A.**, Blažytė-Čereškienė L., Budrys E. 2019. Illumina 16S Metagenomic Sequencing for Comparison of indigenous gut microbiota biodiversity in cavity-nesting solitary bee and wasp. *Journal of Apicultural Research* 58(4): 587–590. <https://doi.org/10.1080/00218839.2019.1614734>.
4. Orlovskytė S., Budrys E., **Budrienė A.**, Radzevičiūtė R. & Soon V. 2016. Sibling species in the *Chrysis ignita* complex: molecular, morphological and trophic differentiation of Baltic species, with a description of two new cryptic species (Hymenoptera: Chrysididae). *Systematic Entomology* 41: 771–793. <https://doi.org/10.1111/syen.12190>
5. Turčinavičienė J., Radzevičiūtė R., **Budrienė A.**, Budrys E. 2016. Species identification and genetic differentiation of European cavity-nesting wasps (Hymenoptera: Vespidae, Pompilidae, Crabronidae) inferred from DNA barcoding data. *Mitochondrial DNA* 27 (1): 476–482. <https://doi.org/10.3109/19401736.2014.905827>
6. **Budrienė A.**, Budrys E., Nevronytė Ž. 2013. Sexual size dimorphism in the ontogeny of the solitary predatory wasp *Symmorphus allobrogus* (Hymenoptera: Vespidae). *Comptes Rendus Biologies* 336: 57–64. <https://doi.org/10.1016/j.crv.2013.03.001>
7. Budrys E., **Budriene A.** 2012. Adaptability of prey handling effort in relation to prey size in predatory wasps (Hymenoptera: Eumeninae). *Annales Zoologici Fennici* 49 (1–2): 58–68. <https://doi.org/10.5735/086.049.0106>
8. Budriene A., Budrys E. 2005 (2004). Hunting behaviour of predatory wasps (Hymenoptera: Vespidae: Eumeninae): is the distribution of stinging effort phylogenetically inherited or dependent on the prey type? *Annales de la Société Entomologique de France* 40 (3–4): 259–268. <https://doi.org/10.1080/00379271.2004.10697424>

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:

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

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

1. Budrys E., Andreu Ureta J., Briliūtė A., Cetkovic A., Heinrich S., Kroel-Dulay G., Moora M., Potts S.G., Rortais A., Sjödin E., Szentgyörgyi H., Torres I., Vighi M., Westphal C., **Budrienė A.** 2010. Cavity-nesting Hymenoptera across Europe: a study in ALARM project field site network sites using small trap-nests on trees and buildings. In: J. Settele et al. (eds) *Atlas of Biodiversity Risk*. Sofia & Moscow: Pensoft, pp. 172–173. (ISBN 978-954-642-446-4)

Reviewed scientific articles, published in Lithuania:

1. Lazauskaitė M., **Budrienė A.**, Budrys E., Skujienė G. 2022. Records of two southern bee species, *Anthidium oblongatum* (Illiger, 1806) and *Xylocopa valga* (Gerstaecker, 1872)

- (Hymenoptera: Megachilidae, Apidae), in Lithuania. *Bulletin of the Lithuanian Entomological Society* 6 (34): 106–110.
2. Orlovskytė S., Budrys E., **Budrienė A.** 2021. Records of spider wasps of the subfamily Pompilinae (Hymenoptera: Pompilidae) in Lithuania. *Bulletin of the Lithuanian Entomological Society* 5 (33): 100–110.
 3. Budrys E., Orlovskytė S., Petrašiūnas A., **Budrienė A.** 2019. First records of *Mimumesa wuestneii* (Faester, 1951) and other rare apoid wasps in Lithuania (Hymenoptera: Psenidae, Crabronidae, Bembicidae). *Bulletin of the Lithuanian Entomological Society* 3 (31): 118–123.
 4. Orlovskytė S., Budrys E., **Budrienė A.** 2018. Check-list of gasteruptionid wasps (Hymenoptera: Gasteruptionidae) of Lithuania, with new data on trophic interactions. *Bulletin of the Lithuanian Entomological Society* 2 (30): 119–126.
 5. Budrys E., Budrienė A. 2017. Occurrence and conservation status of *Scolia* wasps (Hymenoptera: Scoliidae) in Lithuania. *Bulletin of the Lithuanian Entomological Society* 1 (29): 117–120.
 6. Budrys E., Bačianskas V., **Budrienė A.**, Ferenca R., Gliwa B., Ūsaitis T. 2015. Recent expansion of *Phaneroptera falcata* in Lithuania (Orthoptera: Phaneropteridae). *New and rare for Lithuania insect species* 27: 7–11.
 7. Budrys E., **Budrienė A.**, Orlovskytė S. 2014. Records of spider wasps of the subfamily Pepsinae (Hymenoptera: Pompilidae) in Lithuania. *New and rare for Lithuania insect species* 26: 73–83.
 8. Budrys E., **Budrienė A.**, Gliwa B. 2013. Distribution of paper wasps (*Polistes* Latreille, 1802) in Lithuania (Hymenoptera: Vespidae). *New and rare for Lithuania insect species* 25: 79–82.
 9. Budrys E., **Budrienė A.** 2012. New records of three rare Orthoptera species from Lithuania. *New and rare for Lithuania insect species* 24: 49–51.
 10. Radzevičiūtė R., **Budrienė A.**, Budrys E., Orlovskytė S., Turčinavičienė J. 2012. A panel of microsatellite markers developed for solitary trap-nesting wasp *Ancistrocerus trifasciatus* (Müller, 1776) by cross-species amplification. *Ekologija* 58 (1): 1–7.
 11. Orlovskytė S., **Budrienė A.**, Budrys E. 2010. Check-list of cuckoo-wasps (Hymenoptera: Chrysididae) of Lithuania. *New and rare for Lithuania insect species* 22: 141–156.
 12. Budrys E., **Budrienė A.**, Nevronytė Ž. 2010. Dependence of brood cell length on nesting cavity width in xylicolous solitary wasps *Ancistrocerus* and *Symmorphus* (Hymenoptera: Vespidae). *Acta Zoologica Lituanica* 20 (1): 68–76.
 13. Budrys E., **Budrienė A.**, Nevronytė Ž. 2009. Check-list of Eumeninae wasp species (Hymenoptera: Vespidae) collected in Lithuania using trap-nests. *New and rare for Lithuania insect species* 21: 140–149.
 14. Budrys E., Bačianskas V., **Budrienė A.**, Dapkus D., Švitra G., Ūsaitis T. 2008. Distribution of four species of Oedipodinae grasshoppers in Lithuania (Orthoptera: Acrididae). *New and rare for Lithuania insect species* 20: 14–19.
 15. **Budrienė A.**, Budrys E. 2007. Comparison of mating of ten Eumeninae wasp species with a brief review of sexual selection theories: a framework for future research. *Acta Zoologica Lituanica* 17 (2): 87–104.
 16. **Budrienė A.**, Budrys E. 2005. Effect of prey size and number of prey specimens on stinging effort in predatory wasps. *Acta Zoologica Lituanica* 15 (4): 330–340.
 17. Budrys E., **Budrienė A.**, Pakalniškis S. 2004. Population size assessment using mark-release-recapture of 12 species of Orthoptera, Diptera and Hymenoptera: a comparison of methods. *Latvijas Entomologs* 41: 32–43.
 18. **Budrienė A.**, Budrys E., Nevronytė Ž. 2004. Solitary Hymenoptera Aculeata inhabiting trap-nests in Lithuania: nesting cavity choice and niche overlap. *Latvijas Entomologs* 41: 19–31.
 19. **Budrienė A.**, Budrys E. 2004. Applicability of the 'locomotor ganglia' hypothesis to the stinging behaviour of *Symmorphus allobrogus*, a predatory wasp hunting chrysomelid larvae. *Acta Zoologica Lituanica* 14 (4): 23–33.

20. **Budrienė A.**, Budrys E. 2004. Behavioural elements influencing mating success of *Symmorphus allobrogus* (Hymenoptera: Eumeninae). *Acta Zoologica Lituanica* 14 (2): 39–47.
21. **Budrienė A.** 2003. Prey of *Symmorphus* wasps (Hymenoptera: Eumeninae) in Lithuania. *Acta Zoologica Lituanica* 13 (3): 306–310.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- 2020 – 2022 Project, Research Council of Lithuania, Genes under natural selection pressure: the evolutionary rate in speciation and the applicability for identification of cryptic species. Project **researcher**.
- 2014 – 2016 Project, Research Council of Lithuania, Trophic networks and ecosystem functions of Hymenoptera in forest and in clear cut areas. Project **leader**
- 2011 – 2012 Project, Research Council of Lithuania, Effect of species adaptation to anthropogenic environments on genetic diversity of its populations. Project **researcher**
- 2010 – 2011 Project, Research Council of Lithuania, Effect of landscape fragmentation on genetic diversity of pollinating and predatory Hymenoptera. Project **researcher**
- 2009 – 2014 Project, Framework Programme 7, EU Securing the Conservation of biodiversity across Administrative Levels and spatial, temporal, and Ecological Scales (SCALES). <http://www.scales-project.net>, http://cordis.europa.eu/project/rcn/91260_en.html). Institution's **team executive**
- 2008 – 2011 Project, Framework Programme 6, EU Pan-European Species directories Infrastructure (PESI), <http://www.eu-nomen.eu/portal>, http://cordis.europa.eu/project/rcn/86662_en.html). Institution team's **researcher**
- 2006 – 2009 Project, Framework Programme 6, EU Developing the EU Biodiversity Research Strategy (Biostrat). http://cordis.europa.eu/project/rcn/81275_en.html. Institution team's **researcher**
- 2004 - 2008 Project, Framework Programme 6, EU-wide monitoring methods and systems of surveillance for species and habitats of Community interest (EUMon). <http://eumon.ckff.si/index1.php>, http://cordis.europa.eu/project/rcn/73860_en.html). Institution team's **researcher**
- 2003 - 2005 Project, Framework Programme 5, EU European platform for biodiversity (Bioplatform). <http://www.cgmdesign.net/BioPlatform/>. Institution team's **researcher**
- 2003 - 2004 Project, Framework Programme 5, Fauna Europaea – extension to the member states (<https://fauna-eu.org/about>). Institution team's **researcher**
- 2002 Project, Lithuanian State Science and Studies Foundation (T-579), MRR assessment of insect population abundance. Project **researcher**

INTERNSHIP AND TRAINING

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Lazauskaitė M., **Budrienė A.**, Orlovskytė S., Budrys E. 2022. *Ancistrocerus* wasps (Vespidae) in the centre of Europe: a common new cryptic species, and their confusing phylogeny // #Hymanthon2022. A 24 hour virtual symposium from the International Society of Hymenopterists. 31 March - 1 April 2022, 17.

2. Budrys E., Orlovskytė S., **Budrienė A.**, Lazauskaitė M. 2022. How to find a cryptic species? A case of Baltic wasp // *University of Latvia 80th scientific conference: Zoology and Animal Ecology. Abstract book. 3 February 2022.* Nature House University of Latvia, Riga, Latvia, 8.
3. Orlovskytė S., Budrys E., **Budrienė A.** 2016. Sibling species of *Chrysis ignita* complex: molecular, morphological and trophic differentiation of North European species and description of new species (Hymenoptera: Chrysididae) // *XXV International Congress of Entomology.* Orlando, Florida, 2016. doi: 10.1603/ICE.2016.113232.
4. Budrys E., **Budrienė A.** 2010. What do the trap-nesting wasp and bee communities tell us about the habitat naturalness? In: Petrašiūnas A. (ed) *XXVIII Nordic – Baltic Congress of Entomology. Abstract book.* Birštonas, 2nd – 7th, 2010. Vilnius, 7.
5. **Budrienė A.**, Nevronytė Ž., Budrys E. 2010. Body weight change during the development of predatory wasp *Symmorphus allobrogus* (Hymenoptera: Vespidae: Eumeninae). In: Petrašiūnas A. (ed) *XXVIII Nordic – Baltic Congress of Entomology. Abstract book.* Birštonas, 2nd – 7th, 2010. Vilnius, 41.
6. Budrys E., **Budrienė A.**, Nevronytė Ž. 2010. Dependence of brood cell length on nesting cavity width in solitary wasps of genera *Ancistrocerus* and *Symmorphus* (Hymenoptera: Vespidae: Eumeninae). In: Petrašiūnas A. (ed) *XXVIII Nordic – Baltic Congress of Entomology. Abstract book.* Birštonas, 2nd – 7th, 2010. Vilnius, 42.
7. Nevronytė Ž., Budrys E., **Budrienė A.** 2010. The effects of prey abundance on nesting behaviour of predatory wasp *Symmorphus allobrogus* (Hymenoptera: Vespidae: Eumeninae). In: Petrašiūnas A. (ed) *XXVIII Nordic – Baltic Congress of Entomology. Abstract book.* Birštonas, 2nd – 7th, 2010. Vilnius, 58.
8. Orlovskytė S., **Budrienė A.**, Budrys E. 2010. Morphometric differences between the European cuckoo wasp sibling species of the *Chrysis ignita* group (Hymenoptera: Chrysididae). In: Petrašiūnas A. (ed) *XXVIII Nordic – Baltic Congress of Entomology. Abstract book.* Birštonas, 2nd – 7th, 2010. Vilnius, 59.
9. Radzevičiūtė R., **Budrienė A.**, Budrys E., Turčinavičienė J. 2010. Mitochondrial CO1 gene sequence in European Eumeninae wasps (Hymenoptera: Vespidae): intra-specific diversity and applicability for species identification. In: Petrašiūnas A. (ed) *XXVIII Nordic – Baltic Congress of Entomology. Abstract book.* Birštonas, 2nd – 7th, 2010. Vilnius, 67.
10. **Budrienė A.** 2005. Pavienės klosčiavapsvės kaip poravimosi elgsenos ekologijos tyrimų modelis. *Vabzdžių tyrimai: dabartis ir perspektyvos. Vilnius, 2005 m. spalio mėn. 14–15 d. Tarptautinės mokslinės konferencijos dalyvių pranešimų santrauka.* Vilnius, 44–46. [Solitary Eumeninae wasps as a model for studies into behavioural ecology of mating. *Research of insects: present and future. 14–15 October, 2005, Vilnius. Abstracts of the international scientific conference.* Vilnius, 44–46 (in Lithuanian)]
11. **Budrienė A.**, Budrys E. 2003. Solitary Hymenoptera Aculeata inhabiting trap-nests in Lithuania: fauna and nesting preferences. *XXVI Nordic-Baltic Congress of Entomology. Skalupes, Latvia, July 8th to 13th, 2003.* Latvia, Skalupes, 11.
12. Budrys E., **Budrienė A.**, Pakalniškis S. 2003. Population size assessment using mark-release-recapture for 12 species of Orthoptera, Diptera and Hymenoptera: comparison of methods. *XXVI Nordic-Baltic Congress of Entomology. Skalupes, Latvia, July 8th to 13th, 2003.* Latvia, Skalupes, 11–12.
13. **Budrienė A.** 2000. Some aspects of mating behaviour of Eumenidae wasps (Hymenoptera: Eumenidae). *XXV Nordic-Baltic Congress of Entomology.* Melsomvik, Norway, 27 June - 2 July 2000, 16.

National scientific conferences:

1. Budrys E., Orlovskytė S., **Budrienė A.**, Lazauskaitė M. 2022. Kaip įsitikinti, kad radome slapią (*cryptic*) naują mokslui rūšį? *Lietuvos entomologų draugijos metinė konferencija*. Kaunas, Tado Ivanausko zoologijos muziejus, 2022 gruodžio 10 d.

PARTICIPATION IN THE STUDY PROCESS

*Supervision of PhD students:**Scientific consultant:**Supervision of bachelor and master students:***OTHERS**

1. **Budriene A.**, Budrys E. 2008. Biodiversity and companies: regulations and experience in Lithuania. In: Grant F., Weber J., Atramentowicz M., Hernandez S., Frascaria-Lacoste N., Houdet J., Watt A. (eds) Biodiversity and Industry. Report of an e-conference. Edinburgh & Paris, 94–95. Available at: <http://www.epbrs.org/PDF/Report France 2008- Long.pdf>