

# Romualda Petkevičiūtė

## CONTACT INFORMATION

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Address Akademijos Str. 2, Vilnius LT-08412, Lithuania  
Tel. no.: +370 5 272 92 69  
E-mail: [romualda.petkeviciute@gamtc.lt](mailto:romualda.petkeviciute@gamtc.lt)  
[orcid.org/0000-0001-8386-1938](https://orcid.org/0000-0001-8386-1938)  
<https://www.researchgate.net/profile/Romualda-Petkeviciute>

## EDUCATION AND ACADEMIC DEGREE

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1982 – 1992      Doctoral degree in Natural sciences, Zoology (N 010 Biology, N 014 Zoology); diploma of candidate of biological sciences (University of St. Petersburg, 1992-02-20);  
Doctorate in Natural sciences, certified in 1995 (Lithuanian Science Council).  
Dissertation topic: "Karyological studies of trematodes (taxonomic and phylogenetic aspects)", supervisors - acad. Vytautas Kontrimavičius and dr. Janina Baršienė.  
The work was carried out at the Institute of Zoology and Parasitology, P.B. Šivicki's Helminthology Laboratory.  
Field of research: parasitology, karyological studies of trematodes, karyotype diversity and evolutionary trends, karyotypic identification of larval forms.

1977 – 1982      Vilnius University, Biology  
The topic of the diploma work: "Influence of herbicides on the abundance and activity of earthworms". The work was carried out at the Institute of Zoology and Parasitology, Laboratory of Soil Biology.  
Field of research: zoology, ecology of soil invertebrates.

## PROFESSIONAL EXPERIENCE

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2022. 05 – unitl now      **Senior researcher**  
Nature Research Centre, P.B. Šivickis Laboratory of Parasitology

1995 – 2014      **Lecturer, later associate professor**  
Vilnius University, Faculty of Natural Sciences

2012 – 2022      **Chief researcher**  
Nature Research Centre, P.B. Šivickis Laboratory of Parasitology

1994 – 2012      **Senior researcher**  
Since 2010 in Institute of Ecology of Nature Research Centre

1992 – 1992      **Researcher**  
Institute of Ecology, P.B. Šivickis Laboratory of Helminthology

1990 – 1991      **Junior researcher**  
Institute of Zoology and Parasitology, Lithuanian Academy of Sciences, P.B. Šivickis Laboratory of Helminthology

1982 – 1985      **PhD student**  
Institute of Zoology and Parasitology, Lithuanian Academy of Sciences

## RESEARCH INTERESTS

Diversity, taxonomic and phylogenetic studies of parasitic flatworms, tapeworms and flukes, using integrated morphological, ecological, karyological and molecular research methods. Analysis of life

cycles and specificity for intermediate and definitive hosts of fish parasites. Search for genetic markers for precise species identification. Analysis of parasite circulation in ecosystems. Determination of the role of different bivalve and gastropod mollusk species in the life cycles of trematodes and studies of the diversity and ways of dispersion of larval forms. Studies on the diversity of bivalve molluscs of the family Sphaeriidae using karyological and molecular methods to clarify taxonomic and phylogenetic problems.

## PUBLICATIONS

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

1. **Petkevičiūtė R.**, Stunžėnas V., Stanevičiūtė, G. 2014. Differentiation of European freshwater bucephalids (Digenea: Bucephalidae) based on karyotypes and DNA sequences. *Systematic Parasitology*, 87: 199-212. DOI:10.1007/s11230-013-9465-0.
2. **Petkevičiūtė R.**, Stunžėnas V., Stanevičiūtė G., Zhokhov A.E. 2015. European *Phyllodistomum* (Digenea, Gorgoderidae) and phylogenetic affinities of *Cercaria duplicata* based on rDNA and karyotypes. *Zoologica Scripta*, 44, 191–202. doi:10.1111/zsc.12080.
3. Stanevičiūtė G., Stunžėnas V., **Petkevičiūtė R.** 2015. Phylogenetic relationships of some species of the family Echinostomatidae Odner, 1910 (Trematoda), inferred from nuclear rDNA sequences and karyological analysis. *Comparative Cytogenetic*, 9(2): 257–270 doi: 10.3897/CompCytogen.v9i2.4846, <http://compcytogen.pensoft.net>
4. **Petkevičiūtė R.**, Kudlai O., Stunžėnas V., Stanevičiūtė G. 2015. Molecular and karyological identification and morphological description of cystocercous cercariae of *Phyllodistomum umblae* and *Phyllodistomum folium* (Digenea, Gorgoderidae) developing in European sphaeriid bivalves. *Parasitology International*, 64: 441-447. <http://dx.doi.org/10.1016/j.parint.2015.06.007>
5. Stunžėnas V., **Petkevičiūtė R.**, Poddubnaya L.G., Stanevičiūtė G., Zhokhov A.E. 2017. Host specificity, molecular phylogeny and morphological differences of *Phyllodistomum pseudopholium* Nybelin, 1926 and *Phyllodistomum angulatum* Linstow, 1907 (Trematoda: Gorgoderidae) with notes on Eurasian ruffe as final host for *Phyllodistomum* spp. *Parasites & Vectors*, 10: 286. DOI 10.1186/s13071-017-2210-9
6. **Petkevičiūtė R.**, Stunžėnas V., Stanevičiūtė G. 2018. Comments on species divergence in the genus *Sphaerium* (Bivalvia) and phylogenetic affinities of *Sphaerium nucleus* and *S. corneum* var. *mamillanum* based on karyotypes and sequences of 16S and ITS1 rDNA. PLOS ONE 13 (1): e0109427. <https://doi.org/10.1371/journal.pone.0191427>
7. **Petkevičiūtė R.**, Stunžėnas V., Zhokhov A.E, Poddubnaya L.G, Stanevičiūtė G. 2018. Diversity and phylogenetic relationships of European species of *Crepidostomum* Braun, 1900 (Trematoda: Allocreadiidae) based on rDNA, with special reference to *Crepidostomum oschmarini* Zhokhov & Pugacheva, 1998. *Parasites & Vectors*, 11:530, <https://doi.org/10.1186/s13071-018-3095-y>
8. **Petkevičiūtė, R.**, Stanevičiūtė, G, Stunžėnas, V. 2020. Exploring species diversity of lissorchiid trematodes (Digenea: Lissorchiidae) associated with the gravel snail, *Lithoglyphus naticoides*, in European freshwaters. *Journal of Helminthology* 94, e152, 1–10. <https://doi.org/10.1017/S0022149X2000036X>
9. **Petkevičiūtė, R.**, Zhokhov, A.E., Stunžėnas, V., Poddubnaya, L.G., Stanevičiūtė, G. 2020. *Phyllodistomum kupermani* n. sp. from the European perch, *Perca fluviatilis* L. (Perciformes: Percidae), and redescription of *Phyllodistomum macrocotyle* (Lühe, 1909)

with notes on the species diversity and host specificity in the European *Phyllodistomum* spp. (Trematoda: Gorgoderidae). *Parasites & Vectors*. 13:561. <https://doi.org/10.1186/s13071-020-04434-2>

10. **Petkevičiūtė R.**, Stunžėnas V., Stanevičiūtė G. 2022. Diversity of European lissorchiid trematodes from fish and snail hosts with comments on the validity of the genus *Parasymphylodora* Szidat, 1943. *Journal of Helminthology*, 96, e67, 1–12. <https://doi.org/10.1017/S0022149X22000542>

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

1. Valkiūnas G., **Petkevičiūtė R.** 2017. In Memoriam. Vytautas Kontrimavičius (1930-2016). *The Journal of Parasitology*, 103 (2): 193-196.

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

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- 2019 – 2023     **Researcher, member of the working group.** COST (European Cooperation in Science and Technology) Veikla CA18239. „Conservation of freshwater mussels: a pan-European approach“
- 2015 – 2018     **Main executor.** Research group projects supported by the Lithuanian Science Council. "Relationships of specificity and species formation of parasitic flatworms with diversity of potential hosts" No. MIP-43/2015

## **INTERNSHIP AND TRAINING**

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2009. 03        EU Synthesis scholarship programme; traineeship in the Museum fur Naturkunde (Berlin) DE-TAF-3965: “Morphological, karyological and molecular approaches to inter- and intraspecific variation of Sphaeriidae bivalves.”

## **PARTICIPATION IN SCIENTIFIC CONFERENCES**

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**International scientific conferences:**

1. **Petkevičiūtė R.**, Stunžėnas V., Stanevičiūtė G., Kudlai O. 2015. Current status of knowledge on fish digeneans associated with freshwater bivalve mollusks in Europe. - 9th International Symposium on Fish Parasites, Valencia, from 31st of August to 4th of September, 2015. Book of Abstracts, P. 76.

## **PARTICIPATION IN THE STUDY PROCESS**

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**Supervision of postdoctoral students:**

Field of Science: Natural Sciences (N000). Mokslo kryptis: Zoology (N 014) *Biology* (N010)

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| Olena  | <b>Fellowship supervisor</b>  | 2014 – 2015 |
| Kudlai | Postdoctoral studies. Lithuanian Science Council (Contract 004/79). Topic "Interfaces between molecular and morphological studies to elucidate the diversity, taxonomy and life cycles of larval forms of flukes parasitizing molluscs. Molecular and |             |

morphological approach to revealing diversity, taxonomy and life-cycles of larval flukes parasitizing in water molluscs".

***Participation in the training of doctors of science:***

Member of the Joint Vilnius University and Nature Research Center Doctoral Committee, Zoology (N 014).

Member of the Doctoral Committee of the Nature Research Center, Biology (N 010).

Participation in doctoral examination committees (Parasitology, Animal ecology, Animal kariology, Molecular systematics). Parasitology and Animal Karyology subject organizer and chairperson of the exam commission, and member of the Animal Ecology and Molecular Systematics exam commissions.

E. Platonova's dissertations (Natural sciences, Zoology N 014) Chairperson of the Defence Council in 2022.01.20

**OTHERS**

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1. 2004-2005: Highest degree State Grant, Ministry of Education and Science of Lithuania;
2. 2007: P.B. Šivickis Nominal Award of the Lithuanian Academy of Sciences.