

**NAME: FERENC VILISICS**

**Address** H-1063 Budapest, Szondi street 54

**E-mail:** vilisics.ferenc@aotk.szie.hu

**Telephone:** 36-20-661-3010

**URL:** [www.univet.hu/users/vilisics](http://www.univet.hu/users/vilisics)



---

### **EDUCATION:**

- I'm working on my PhD thesis within the Individual PhD program of University of Debrecen, Faculty of Sciences and Technology
  - Thesis: Isopod assemblages under different urbanisation levels: case studies from GlobeNet sites in Hungary and Denmark.
  - Expected time of PhD defense: 2009
  - Expected time of program completion: 2009
- 2003: MSc in Teacher of Biology. University of Pécs, Hungary
  - Graduate thesis: Ecofaunistical study on isopoda fauna of Babarcszőlős Hill, with special regard to the rare *Armadillidium opacum* (C. Koch, 1841).
- 1997: Bugát Pál High School, Székesfehérvár, Hungary

### **ACADEMIC EMPLOYMENT:**

- 2003-: Szent István University, Faculty of Veterinary Science, Department of Ecology
- Position: Junior research fellow

### **PROFESSIONAL QUALIFICATIONS AND RESPONSIBILITIES:**

#### 1. Research:

##### I. Ecology:

I contributed to hypothesis based ecological studies in soil dwelling invertebrates with special regard to terrestrial isopods (Crustacea: Isopoda) in GlobeNet sites in Hungary and Denmark.

I used descriptive statistics, parametric and non-parametric statistical analyses and diversity indices and Rényi profiles to detect the effects of urbanisation to isopods on community and species level.

Along with P. Sólymos and E. Hornung I developed the method of measuring fluctuating asymmetry on terrestrial isopods.

## **II. Faunistics, distribution:**

I am specialised to taxonomy and distribution of terrestrial isopods of temperate Europe.

I studied the isopod fauna of Hungary and other countries (Croatia, Finland, Romania, Slovenia), including urban environments as well. As a member of the soil ecology research group of the Institute of Biology, (Fac. Vet. Sci., Szt. István Univ.) I contributed to the better knowledge of isopod distribution on different scales in Hungary.

Together with E. Hornung I created the qualitative classification system of Hungarian isopod species to evaluate "naturalness" of isopod assemblages as a possible tool for conservation evaluation.

I also contributed to a data sheet for field data assessment that enables analyses on species habitat and microhabitat preferences in different scales.

### Main topics:

- The effects of urbanization on biodiversity with special regard on soil dwelling invertebrates: case studies from Hungary and Denmark.

## **2. Teaching activity for students of *Applied Zoology* Msc and *Biology* BSc majors**

### **BSc level**

- 2008- : Lecturer for Zootaxonomy
- 2008- : Lecturer for Introduction to Ecology.
  - *Team taught with E. Hornung, P. Sólymos, Z. Elek;*
- 2008: Lecturer for Animal Ecology.
  - *Team taught with E. Hornung, P. Sólymos, Z. Elek;*
- 2007, 2008, 2009: Trends in Ecology:
  - The effects of urbanization on biodiversity
  - Mycorrhiza and diversity; wood wide web
- 2006- : Field Trips for Biology students

- *Team taught with Z. Elek (2006-2007);*

### MSc level

- 2007- : Lecturer for Frontiers in Ecology.
  - *Team taught with E. Hornung, P. Sólymos, Z. Elek;*
- 2007- : Journal Club in Ecology.
  - *Team taught with E. Hornung, P. Sólymos, Z. Elek;*
- 2006, 2008: Practical in "Detailed Taxonomy: Multipled invertebrates - Isopoda.
  - *Team taught with E. Hornung, Z. Korsós, L. Dányi;*
- 2006- : Field Trips for Applied Zoology students.
  - *Team taught with Z. Elek (2004-2007), N. Vili (2008).*
- 2005- : Soil Zoology: lecture on urban soil fauna, practicals
  - *Team taught with E. Hornung, P. Sólymos, Z. Elek;*
- 2003- : Introduction to Ecology, lectures and practicals.
  - *Team taught with E. Hornung, P. Sólymos, Z. Elek;*
- 2003- : Ecology 1 and 2, lectures and practicals.
  - *Team taught with E. Hornung, P. Sólymos, Z. Elek;*

### EXTRACURRICULAR ACTIVITIES

- Invited lectures and field tours at Gyöngyvirág Naturalist Association;
- Invited contributions to cave exploring studies to Alba Regia Speleo Club.

### COOPERATIONS RELATED WITH URBANIZATION:

- University of Aarhus, Research Centre Slagelse (Denmark): GlobeNet in Soroe - Studies on the soil fauna along and urbanization gradient. *Partners: Gábor L. Lövei (Univ Aarhus), Zoltán Elek, Elizabeth Hornung (SZIU, Hungary);*
- Debrecen University, Hungary: GlobeNet in Debrecen - Studies on the soil fauna along an urbanization gradient. *Partners: Béla Tóthmérész (DU, Hungary), Tibor Magura (Hortobágy NP, Hungary), Elizabeth Hornung (SZIU, Hungary);*
- BiodiverCity project of the Swiss Federal Research Institute WSL, Insubric Ecosystems, Bellinzona, Switzerland. *Partner: Marco Moretti;*
- Finnish Museum of Natural History (Finland): Revisions of the Oniscidean material of the Museum, and faunistical samplings in settlements of Finland. *Partner: Juhani Terhivuo (Nat Hist Mus, Helsinki).*

### Others:

- Complex ecological study on habitat preference of landsnails and isopods in dolines of Aggtelek, Hungary. *Partners: Péter Sólymos (U Alberta, CAN), Zita Kemencei, Elizabeth*

*Hornung (SZIU, Hungary);*

- Effects of latitude on reproductive strategies and sex ratios: analysis of European and American seasonal patterns of isopods. *Partners: Elizabeth Hornung (SZIU, Hungary), Ivan H Tuf (Palacky Univ., Czech Rep.)*

## **STUDY TOURS AND GRANTS:**

Study tours and grants for international cooperations in the fields of ecology and zoology:

- 2006(a): The Netherlands, Erasmus teacher's grant: Vrije University, Amsterdam (2 weeks).
- 2006(b): The Netherlands, Erasmus teacher's grant: Vrije University, Amsterdam (2 weeks).
- 2005: Denmark, University of Aarhus, Research Centre Slagelse (1 week).
- 2005: Germany, Socrates/Erasmus teacher's grant: Christian-Albrechts University, Kiel (2 weeks).
- 2005: Germany, Natural History Museum of Stuttgart (1 week).
- 2004: Slovenia, CEEPUS teacher's grant: University of Ljubljana (2 weeks).
- 2002, 2003: Undergraduate grants of University of Pécs: Isopod faunistical research, thesis work.

## **SOCIETY MEMBERSHIPS:**

- Ecological Society of America (ESA) - Urban Ecosystem Ecology Section
- Society for Conservation Biology (SCB)
- Hungarian Ecological Society (MÖTE)
- Hungarian Biological Society (MBT) - Zoology Section

## **LANGUAGE SKILLS**

- English: advanced state exam (category C)
- Finnish: basic level state exam (category C)
- German: basic communication

## COMPUTER SKILLS

- On both PC and Mac

- **Advanced level:**

- Microsoft Office (Word, Excel, PowerPoint) and OpenOffice applications

- **User level:**

- Statistical and graphical softwares (e.g. R, Statistica, Origin, Adobe Photoshop, Corel)

- **Other:** Publishing, graphical and HTML editor applications (e.g. GIMP, Scribus, Evrsoft)

## PRIMAL PUBLICATIONS

Cumulated impact factor: 6.243

1. Vilisics F, Hornung E (2009) Urban areas as introduction hot-spots and shelters for native isopod species. Urban Ecosystems DOI: 10.1007/s11252-009-0097-8
2. Vilisics F, Elek Z, Lövei G, Hornung E (2007) Composition of terrestrial isopod assemblages under different urbanisation stages in Denmark. Pedobiologia 51:45-53 IF: 1.383
3. Cochard P-O, Séchet E, Vilisics F (accepted) Alien terrestrial crustaceans (Isopods and Amphipods). In: A. Roques, J.Y. Rasplus, W. Rabistch, C. Lopez-Vaamonde, Kenis M, Nentwig W and Roy D (Eds.): Terrestrial arthropod invasions in Europe. Pensoft Publishers, Sofia
4. Hornung E, Tóthmérész B, Magura T, Vilisics F (2007) Changes of isopod assemblages along an urban - suburban - rural gradient in Hungary. Eur J Soil Biol 44:158-165 IF: 0.875
5. Vilisics F, Sólymos P, Hornung E (2005) Measuring fluctuating asymmetry of the terrestrial isopod *Trachelipus rathkii* (Crustacea: Isopoda, Oniscidea). Eur J Soil Biol 41:85-90 IF: 0.935
6. Hornung E, Vilisics F, Sólymos P (2008) Low alpha and high beta diversity in terrestrial isopod assemblages in the Transdanubian region of Hungary. In: Zimmer M, Cheikrouha C, Taiti S (eds): Proceedings of the International Symposium of Terrestrial Isopod Biology - ISTIB-7, Shaker Verlag, Aachen pp. 1-11.
7. Sólymos P, Kemencei Z, Páll-Gergely B., Farkas R., Vilisics F, Hornung E (accepted) Does shell accumulation matter in micro scale land snail surveys? submitted to Malacologia IF: 2.115
8. Vilisics F, Sólymos P, Hornung E (2007) Habitat features and associated terrestrial isopod species: a sampling scheme and conservation implications. In: Tajovsky K, Schlaghamersky J, Pizl V (eds): Contributions to Soil Zoology in Central Europe 2. Tisk Josef Posekany, Ceske Budejovice ISBN 978 80 86525 08 2
9. Hornung E, Vilisics F, Tartally A (2005) Occurrence of *Platyarthrus schoeblii* (Isopoda, Oniscidea) and its ant hosts in Hungary. Eur J Soil Biol 41:129-133 IF: 0.935

Ferenc Vilisics

Please find the whole list of publications and presentations at [www.univet.hu/users/vilisics/html/publist.html](http://www.univet.hu/users/vilisics/html/publist.html)