

## VIKTOR MARKÓ

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### **ACADEMIC HISTORY**

Dr. Habil. Corvinus University of Budapest, 2011

Ph.D. in Entomology, University of Horticulture and Food Industry, Budapest, 1998

MSc. in Agrochemistry and Agriculture, Pannon University of Agriculture, Keszthely, Hungary, 1989

### **LANGUAGES**

- Hungarian (native)
- English (Cambridge FCE)
- Russian (reading, speaking and moderate writing)

### **PROFESSIONAL EMPLOYMENT**

2005–present Associate Professor, Department of Entomology, Szent István University

2005–2015 Associate Professor, Department of Entomology, Corvinus University of Budapest

1999–2004 Lecturer, Department of Entomology, Corvinus University of Budapest

1992–1999 Research Associate, Department of Entomology, University of Horticulture and Food Industry

### **COURSES TAUGHT**

Graduate courses

- General Zoology
- Ecology
- Population Ecology
- Insects Pests of Arable Crops
- Invertebrate Conservation Biology

PhD courses

- Insect Physiology
- Data Analysis in Applied Entomology

## **STUDENT THESES** (Primary advisor)

Undergraduate Theses: 2 students

Master's Theses: 77 students

PhD Theses:

- Adalbert Balog: Effects of ecological disturbances on staphylinid communities (Coleoptera: Staphylinidae) in apple orchards, 2003
- Csaba Kutasi: Community composition of ground beetle assemblages (Coleoptera: Carabidae) in fruit orchards. 2005
- Krisztina Bleicher: Faunal and structural investigations on cicada (Auchenorrhyncha) assemblages in apple and pear orchards, 2007
- Balázs Keresztes: Effect of pest management systems on spider (Araneae) assemblages in woody horticultural crops, 2014
- Ákos Varga: Effects of landscape composition, pesticide toxicity and host-insect synchronicity on true bug (heteroptera) communities in apple orchards, (2017)

PhD Theses (Current students):

- Csaba Nagy: The role of aphid-ant mutualistic relationships in the control of aphid populations in apple orchards, 2008–
- Péter Sipos: Kaolin particle films in organic apple production, 2009–
- Dávid Korányi: Arthropod community of maple (*Acer* spp.) trees along landscape and stress gradients, 2015–
- László Mezőfi: Spider communities in apple orchards along pest management gradients, 2015–
- Dóra Kelemen: Pest assemblages of rose hip (*Rosa* spp.), 2016–

## **MAIN RESEARCH INTERESTS**

- Integrated pest management in orchard systems
- Effect of ecological disturbances on arthropod communities
- Ecosystem services in apple orchards
- Survey of arthropod biodiversity in agricultural fields
- Community ecology of arthropod assemblages
- Long-term study of arthropods – biomonitoring

## **AWARD**

Dr. Gusztáv Szelényi Prize (Junior Scientists' Award from the Zoological Department of Hungarian Agronomic Society)

## **FELLOWSHIPS**

- TEMPUS Fellowship (European Community), Wageningen, Laboratory of Entomology, 1997 (6 months)
- Bolyai János Research Fellowship of the Hungarian Academy of Sciences, 1998–2001
- Békésy György Postdoctoral Fellowship, Hungarian Ministry of Education, 2001–2004
- Hungarian State Eötvös Fellowship for research carried out at Horticulture Research International, East Malling, 2001 (3 months)
- Hungarian State Eötvös Fellowship for research carried out at East Malling Research, East Malling, 2004 (3 months)
- Bolyai János Research Fellowship of the Hungarian Academy of Sciences, 2009–2011

## **GRANTS (SINCE 2000)**

- Insect and spider fauna of urban trees native in Hungarian Scientific Research Fund, 29349, 1999–2002, Role: Co-Investigator

- Effect of inter-habitat relationships on organisation of arthropod communities in apple orchards, Hungarian Scientific Research Fund, 2000–2003, Role: Principal Investigator
- National Biodiversity Monitoring System in Hungary – Epigeic arthropods in sandy grasslands, Ministry of Environment and Water. 2001–2010, Role: Group Coordinator
- Basic and applied research of new plant protection methods for Hungary's integration into European Union, 4/012/04, National Research and Development Programmes (NKFP), 2004–2007, Role: Co-Investigator
- Effect of inter-habitat relationships on organisation of arthropod communities in apple orchards II., Hungarian Scientific Research Fund, (OTKA, K46380), 2004–2007, Role: Principal Investigator
- New opportunities for pest management in organic apple orchards and the ecological background, Hungarian Scientific Research Fund, (OTKA, K75856), 2009–2012, Role: Principal Investigator
- Climate change effects on plant-arthropod interactions along a European biodiversity gradient. Hungarian Scientific Research Fund, (NKFI, NN 101940), 2012–2016, Role: Co-Investigator
- Pest control potential of spiders (Araneae) in apple orchards systems and possibilities for their use in conservation biological control. Hungarian Scientific Research Fund, (NKFI, K 112743), 2015–2018, Role: Principal Investigator

### **PROFESSIONAL ACTIVITIES**

- Reviewer for *Acta Agronomica Óváriensis* (Nyugat-magyarországi Egyetem), *Acta Phytopathologica et Entomologica Hungarica* (Akadémiai Kiadó), *Növényvédelem* (Földművelésügyi és Vidékfejlesztési Minisztérium), *Agricultural and Forest Entomology* (Wiley-Blackwell), *Agriculture Ecosystems and Environment* (Elsevier), *Biological Control* (Elsevier), *Bulletin of Entomological Research* (Cambridge University Press), *Bulletin of Insectology* (Department of Agroenvironmental Sciences and Technologies, Bologna University), *The Canadian Entomologist* (Entomological Society of Canada), *Chemosphere* (Elsevier), *Crop Protection* (Elsevier), *European Journal of Entomology* (Library of the Academy of Sciences of the Czech Republic), *International Journal of Pest Management* (Taylor & Francis), *Journal of Arachnology* (American Arachnological Society), *Journal of Pest Science* (Springer), *Polish Journal of Environmental Studies* (HARD Publishing Company), *Science of the Total Environment* (Elsevier), *Scientia Horticulturae* (Elsevier), *Turkish Journal of Agriculture & Forestry* (Scientific and Technological Research Council of Turkey).
- Member of the editorial board: *Acta Universitatis Sapientiae – Agriculture and Environment* (Sapientia University)
- Member of the Scientific Committee of Plant Protection, Hungarian Academy of Sciences
- Proposal reviews: Hungarian Scientific Research Fund, National Committee for Technological Development (OMFB),
- Examiner of 11 PhD theses

### **PROFESSIONAL SOCIETES**

- Hungarian Entomological Society