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EDUCATION

- 2005 - 2010 Ph.D., Entomology, University of Idaho, Moscow, ID.
1996 - 2001 University Diploma in Geography with specialization in Geology.
University of Szeged, Szeged, Hungary.
Corresponds to: M.Sc., Geology and B.Sc., Geography

RESEARCH EXPERIENCE

- 2014 – present *Research Scientist*, Lead author and co-PI with Dr. Ruth Hufbauer on a USDA grant
The role of hybridization in biological control of weeds
Department of Bioagricultural Sciences and Pest Management
Colorado State University, Fort Collins, CO.
- 2011 - 2014 *Postdoctoral Research Associate* with Dr. Ruth Hufbauer on an NSF grant
The roles of demography and genetics in the founding of populations
Department of Bioagricultural Sciences and Pest Management
Colorado State University, Fort Collins, CO.
- 2005 – 2010 *Dissertation Research* with Dr. Mark Schwarzländer
Landscape genetics, hybridization and rapid evolution in the biological control agent,
Longitarsus jacobaeae
Department of Plant, Soil and Entomological Sciences,
University of Idaho, Moscow, ID.
- 2004 *Research Assistant* with Dr. Harriet Hinz
Biology and host-specificity of potential biological control agents to control the invasive
hoary cress, *Lepidium draba*
CABI (Center for Agriculture and Biosciences International) – Europe,
Switzerland.
- 2002 – 2003 *Research Assistant* with Dr. Stefan Töpfer
Biology and dispersal of the invasive Western corn rootworm, *Diabrotica v. virgifera* in
its introduced range
CABI – Europe Switzerland, based at Plant Protection Directorate in Hungary.

PUBLICATIONS

Peer-reviewed

Hufbauer RA, **M Szűcs**, E Kasyon, C Youngberg, M Koontz, C Richards, T Tuff, BA Melbourne. 2015. Three types of rescue can avert extinction in a changing environment. **PNAS**. Early Edition.

www.pnas.org/cgi/doi/10.1073/pnas.1504732112

Szűcs M, BA. Melbourne, T Tuff, and RA. Hufbauer. 2014. The roles of demography and genetics in the early stages of colonization. **Proceedings of the Royal Society B Biological Sciences**. 281. 20141073

Szűcs M, U Schaffner, WJ Price and M Schwarzländer. 2012. Post-introduction evolution in the biological control agent *Longitarsus jacobaeae* (Coleoptera: Chrysomelidae). **Evolutionary Applications** 5: 858-868

Szűcs M, SD Eigenbrode, M Schwarzländer, and U Schaffner. 2012. Hybrid vigor in the biological control agent, *Longitarsus jacobaeae*. **Evolutionary Applications** 5: 489-497

Szűcs M, M Schwarzländer, and JF Gaskin. 2011. Reevaluating establishment and potential hybridization of different biotypes of the biological control agent *Longitarsus jacobaeae* using molecular tools. **Biological Control** 58: 44-52

Marsico TD, JW Burt, EK Espeland, G Gilchrist, MA Jamieson, L Lindström, S Swope, G Roderick, **M Szűcs**, and N Tsutsui. 2010. Underutilized resources for studying the evolution of invasive species during their introduction, establishment, and lag phases. **Evolutionary Applications**. 3: 203-219.

Peer-reviewed proceedings

Szűcs M, CL Anderson, and M Schwarzländer. 2008. Landscape genetics and climatic associations of flea beetle lineages, and implications for biocontrol of tansy ragwort. In **Proceedings of the XII International Symposium on Biological Control of Weeds** (eds. Julien, M.H., Sforza, R., Bon, M.C., Evans, H.C., Hatcher, P.E., Hinz, H.L. and Rector, B.G.), pp 443-447. CAB International Wallingford, UK.

GRANTS AND AWARDS

2013	USDA-AFRI-NIFA, The role of hybridization in biological control of weeds. Hufbauer RA and M Szűcs	\$500,000
2010	Dr. Gene and Marlene A. Easton Scholarship University of Idaho	\$1,250
2010	Graduate and Professional Student Association Travel Grant, University of Idaho	\$490
2009	Student Grant Program, University of Idaho	\$1,500
2009	Graduate and Professional Student Association Travel Grant, University of Idaho	\$760
2008	DeVlieg Small Project Grants, University of Idaho Laboratory for Conservation and Ecological Genetics	\$1,000
2008	Dr. Gene and Marlene A. Easton Scholarship University of Idaho	\$2,500
2007 – 2008	National Science Foundation, Idaho EPSCoR Program Outstanding Ph.D. scholar award, research stipend	\$15,270

TEACHING/MENTORING EXPERIENCE

2015	<i>Guest lecturer</i> for Insect Behavior (BSPM 507) <i>Guest lecturer</i> for Plants and Civilizations (AGRI 116)
2011 - 2014	<i>Supervisor and trainer</i> for 25 paid undergraduate laboratory assistants during post-doctoral research
2011 - 2013	<i>Mentor</i> for 12 student interns through CSU's Ecological Undergraduate Research Experience course (NSCI 487)
2011 - 2013	<i>Mentor</i> for 2 US National Science Foundation Research Experiences for Undergrad students (NSF REU)
2013	<i>Guest lecturer</i> for Invasive Plants and Weeds (BSPM 528)
2009	<i>Teaching Assistant and Guest Lecturer</i> for Insect Ecology (ENT 441/541)
2006-2009	<i>Supervisor and trainer</i> for 3 field and laboratory assistants

PROFESSIONAL DEVELOPMENT

2014	Bark beetle identification workshop (25-29 August). Montana State University, Bozeman, MT. <i>Instructors:</i> James R. LaBonte, Oregon Dept. of Agriculture and Sarah M. Smith, Michigan State University
2013 Fall	Short Courses at the Institute for Teaching and Learning at Colorado State University <ul style="list-style-type: none"> - Strategies to work with people with disabilities in the classroom. - Successfully integrating non-native English speakers into classes. - Best practices for online course design. - Working with post-9/11 Student-Veterans.
2012 Fall	College of Agricultural Sciences Master Teacher Workshops, CSU

PUBLIC SERVICE AND OUTREACH

1- Day Biological Control Technology Transfer Field Workshops taught

- 2008 Spotted knapweed, *Centaurea maculosa*, Wallace, ID (14 Participants)
2007 Spotted knapweed, *Centaurea maculosa*, Coeur d'Alene, ID (11 Participants)
2007 Spotted knapweed, *Centaurea maculosa*, Bonners Ferry, ID (30 participants)

Biological Control Flip Cards

Winston R., **M. Szűcs**, and M. Schwarzländer. 2007. Noxious Weeds and their Biocontrol Agents. Tansy Ragwort.

ACADEMIC SERVICE

Reviewer for Plos One, Proceedings of the Royal Society B, Molecular Ecology, Biological Invasions, Biological Journal of the Linnean Society, and BioControl.

- 2013 Judge of poster section for Front Range Student Ecology Symposium, CSU.
2011 Co-organized the Symposium 'Evolution and Biological Control' at the Annual Meeting of the Entomological Society of America, Reno, NV.
2010 Invited member of the Student Symposium Committee for the Annual Meeting of the Entomological Society of America – Pacific Branch. Boise, ID.
2009 Volunteer for Evolution 2009 Annual Meeting. Moscow, ID.

PROFESSIONAL MEETINGS

NSF funded Writing Productivity Workshop for early career scientists. 5-9 Aug, 2013, Mountain Lake Biological Station, Pembroke, VA.

Oral presentations

Szűcs M., BA. Melbourne, T Tuff, C Weiss-Lehman, RA. Hufbauer. 2015. Founder effects have long-term fitness effects on colonizing populations. Ecological Society of America Annual Meeting. 9-14 Aug, Baltimore, MD.

Szűcs M. 2014. Short and long term effects of demographic and genetic processes on colonizing populations. **Guild of Rocky Mountain Ecologists and Evolutionary Biologists**. 19-21 Sept, Colorado State University Mountain Campus at Pingree Park, CO.

Szűcs M. RA Hufbauer. 2014. The role of hybridization in biological control of weeds. **Joint Meeting of the Weed Science Society of America and Canadian Weed Science Society**. 3-5 Febr, Vancouver, BC.

Szűcs M., U Schaffner, and M Schwarzländer. 2011. Post-introduction life-history evolution in the weed biological control agent *Longitarsus jacobaeae*. **Annual meeting of the Entomological Society of America**, 13-16 Nov. Reno, NV.

Hufbauer RA, **M Szűcs**, and B Facon. 2011. The consequences of inbreeding and propagule size for the founding of populations. **13th International Symposium on Biological Control of Weeds**, 11-16 Sept, Waikoloa, HI.

Szűcs M, M Schwarzländer and JF Gaskin. 2010. Establishment patterns and hybridization of different biotypes of the biological control agent *Longitarsus jacobaeae*. **Invasive Species in Natural Areas Conference**. 25-29 Oct, Coeur d'Alene, ID.

Szűcs M and M Schwarzländer. 2010. Rapid evolution of the biological control agent *Longitarsus jacobaeae* (Coleoptera: Chrysomelidae). **Entomological Society of America – Pacific Branch Meeting**, 11-14 Apr, Boise, ID.

Szűcs M, JF Gaskin and M Schwarzländer. 2010. Evaluating establishment of biological control agent biotypes using molecular methods. **Entomological Society of America – Pacific Branch Meeting**, 11-14 Apr, Boise, ID. *Invited presentation for the Student Symposium*.

Szűcs M. 2009. Rapid evolution of the biological control agent *Longitarsus jacobaeae* (Coleoptera: Chrysomelidae). Evolution 2009. **Joint annual meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists**. 12-16 June, Moscow, ID.

Szűcs M and M Schwarzländer. 2008. Establishment of the Swiss Biotype of the Ragwort Flea Beetle on Tansy Ragwort Infestations at Meadow Creek, Idaho. **Invasive Species in Natural Areas Conference**. 12-14 Febr, Missoula, MT.

Poster presentations

Szűcs M, BA Melbourne, T Tuff, C Weiss-Lehman, RA Hufbauer. 2014. Short and long term effects of demographic and genetic processes on colonizing populations. **Invasion Genetics: The Baker and Stebbins Legacy Symposium**, 13-15 Aug, Asilomar, CA.

Hufbauer RA, **Szűcs M**, E Kasyon, C Youngberg, T Tuff, BA Melbourne. 2014. Immigration increases establishment and fitness of small populations in novel environments. **Invasion Genetics: The Baker and Stebbins Legacy Symposium**, 13-15 Aug, Asilomar, CA.

Szűcs M, U Schaffner and M Schwarzländer. 2011. Post-introduction evolution in the biological control agent *Longitarsus jacobaeae* (Coleoptera: Chrysomelidae). **13th International Symposium on Biological Control of Weeds**, 11-16 Sept, Waikoloa, HI.

Szűcs M and M Schwarzländer. 2010. Post-introduction evolution of the biological control agent *Longitarsus jacobaeae* (Coleoptera: Chrysomelidae). **Biocontrol for Nature Conference**. 3-7 Oct, Northampton, MA.

Szűcs M and M Schwarzländer. 2009. Potential rapid evolution of the biological control agent *Longitarsus jacobaeae* (Coleoptera: Chrysomelidae). **Workshop: Synthesizing Ecology and Evolution for the Study of Invasive Species**. 19-22 March, North Lake Tahoe, CA.

Szűcs M, CL Anderson, and M Schwarzländer. 2007. Landscape genetics and climatic associations of flea beetle lineages, and implications for biocontrol of tansy ragwort. **Proceedings of the XII International Symposium on Biological Control of Weeds**. 22-27 Apr, La Grande Motte, France.

Szűcs M, CL Anderson, and M Schwarzländer. 2006. Landscape genetics and climatic associations of flea beetle lineages, and implications for biocontrol of tansy ragwort. **Entomological Society of America - Pacific Branch Meeting**, 5-8 March, Maui, HI.

2nd prize in Ph.D. Graduate Student Poster Competition

Töpfer S, M Szűcs, N Lévy, J Kiss. 2004 Initial spread by introduced *Diabrotica v. virgifera* towards maize fields. **Proceedings of the IOBC-IWGO meeting**. Engelberg, Switzerland