

# Curriculum Vitae of Heinz Müller-Schärer

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## PERSONAL DATA

Born Thun/BE, Switzerland; Sept. 5, 1954  
Nationality Swiss, Georgian

## PROFESSIONAL PREPARATION

1991 Habilitation in Herbivore Biology, University of Basel (Hugh Rowell & Steve Stearns)  
1984 PhD in Biology, Universität Bern and CABI Europe-Switzerland at Delémont, CH  
1980 MSc in Biology, University of Bern, CH

## APPOINTMENTS

1995-present Professor in Ecology & Evolution, Dep. of Biology, University of Fribourg, Switzerland  
2008-2009 Visiting Professor at Institute of Chinese Academy of Sciences and University of Wuhan, China (Jianqing Ding) and University of Marburg, Germany (D. Matthies)  
2002-2003 Visiting Professor at University of Marburg, Germany (D. Matthies), Oregon State University, USA (P. McEvoy), and University of Montana (R. Callaway)  
1990-1995 Plant ecologist/group leader at the Swiss Federal Research Station, Wädenswil, CH  
1986-1990 Assistant professor, Zoological Institute, Universität Basel, CH  
1985-1986 Research associate (Swiss NSF PostDoc), University of California, Riverside, USA  
1979-1984 Project Scientist, CABI Europe-Switzerland at Delémont, CH  
1977-1978 Technical assistant in agricultural (Paraguay) and forestry projects (Perú) of the "Swiss Co-operation for Technical and Humanitarian Aid" (now SDA).

## PUBLICATIONS,

90 publications in internationally refereed journals (up to December 2010) for full list cf. <http://www.unifr.ch/biol/ecology/muellerschaerer/group/mueller/>; H-index: 23

CONFERENCES Invited keynote lectures at international conferences / seminars (since 2006):

Salamanca (E), Wageningen (NL), Reading University (UK), Ponta Delgado, Azores (P), Fort Collins, CO (USA), Delhi (India), Turku (SF), Batumi and Tbilisi (Georgia), Locarno (CH), Osijek (HR), Prague (CZ), Wuhan (China), Tahoe City, CA (USA), Rennes (F), Tbilisi (Georgia), Mashhad (Iran), Naples (I), Prague, (CZ), Kaposvar (H), Delémont (CH).

## SYNERGISTIC ACTIVITIES (since 2001 only)

### National

Member of the Steering committee of the Forum Biodiversity, Swiss Academy of Science (2001-now)  
Member of the "Advisory Board of the Federal Office for the Environment" (2001-present)  
Elected annual president 2003 of the Swiss Academy of Science  
Member of the commission on Scientific Integrity of the Swiss Academies of Sciences (2006-present)  
President and coordinator of Studies in Environmental Sciences at the Univ. of Fribourg (2002-2007)  
Review Panel CCES (Competence Centre Environment and Sustainability) ETH-Z and member of the Advisory Board (2010-present).

### International

External expert of PhD theses (Montpellier F, Lancaster UK, Salamanca E, and Bern, Zürich, ETH-Z, Neuchâtel, U Zürich); of habilitation (HDR) (Angers, F); of full professorship (SUNY, NY, USA; ETHZ)  
Chairman und national delegate of the EU- COST-action 816 "Biological Control of Weeds in Europe"

(with 30 institutions from 16 countries participating) (1996-2001)

Invited expert for Swiss Ministry of Environment, and for EU agencies (Technical Committee of COST)

Review panel USDA for all overseas stations in Biological Control, USA (2005)

Member of the Steering committee of the Global Invasions Research Coordination Network (financed by the US National Science Foundation, <http://www.invasionsrcn.org/portal>) (2006-2011)

Vice-Director of the Swiss SNSF National Centre of Competence in Research (NCCR) 'Plant survival in natural and agricultural ecosystems' (2001-present)

Review panel of the German National Science Foundation (DFG) for a large-scale multi-year research program "Biodiversity Exploratories" (2005-present).

Review Panel CCES (Competence Centre Environment and Sustainability) ETH-Z and member of the Advisory Board (2010-present).

## COLLABORATORS & OTHER AFFILIATIONS

### Supervision

28 MSc and 16 PhD students so far; 15 Post-Doc fellows stayed in my research group at the University of Fribourg, most of them financed through my grants (1995-2011)

### International collaborative projects (recent and presently running)

SCOPES (through the Swiss NSF), with Georgia on Plant Invasions (David Kikodze) (2002-2009)

North-South Institute, ETH-Zürich, with Kenia on "*Prosopis* invasions" (Walter O. Ogutu) (2005-2008).

### International collaboration on invasive plants

In Switzerland through the SNSF-NCCR project on "Evolution and spread of invasive plants" (<http://www2.unine.ch/nccr>)

with Jorge Vivanco (Colorado State Univ.) on gene expression studies of 2x and 4x taxa

with Ray Callaway/John Maron on the population dynamics of *C. stoebe* in Europe and the US in the presence and absence of antagonists,

with Ray Callaway/Jim Story (Montana) on interactions with generalist insect herbivores

with Siegbert Melzer (U Leuven, Belgium) on functional genomics and the evolution of perenniality

with Nuria Garcia-Jacas and Alfonso Susanna (Bot. Inst. Barcelona) on phylogenetic relationships

## FUNDING (since 2001, and only grants > € 10'000 are listed)

- Swiss National Science Foundation, research grant (2001-2004) € 225'000

- National Centre of Competence in Research on Plant Survival, SNSF, (2001-2005) € 750'000

- EU-Tlinks, EU funded research programme, BBW, (2001-2005) € 320'000

- National Research Programme on Alps (NFP-48), SNSF research grant (2002-2005) € 215'000

- Research grant with Eastern Europe, (Georgia) SNSF SCOPES (2001-2004) € 40'000

- National Centre of Competence in Research on Plant Survival, SNSF, (2005-2009) € 210'000

- Research grant with Eastern Europe, (Georgia) SNSF SCOPES (2006-2009) on "Checklist of alien and invasive plants of Georgia" € 55'000

- British Petroleum Georgia (2008-2010) on *Ragweed*: its distribution and management € 10'000

- National Centre of Competence in Research on Plant Survival, SNSF, (2009-2013) € 150'000

- Federal Office for the Environment on invasive plants (2009-2010) € 10'000

- Swiss National Science Foundation, research grant (2009-2012) € 375'000

- CTI on biological control of *Rumex* spp. (co-applicant) (2010-2013) SFr. 650'000

## TEACHING

Regular lectures, practical courses and excursions in: general ecology, plant ecology, plant population, biology, ecology and evolution of plant-antagonist interactions, systematics of flowering plants, biological weed control, biological invasions, experimental design and statistics.

Invited MSc course in Naples, Italy (2006, 2009), Tbilisi, Georgia (2005-2008) and Wuhan, China (2008) on "Plant Invasions and Biological Control"

Invited Doctoral school course in New Delhi, India (2006) and Rennes, France (2009), Iran (2009) on Biological Invasions, and in Taschkent, Usbekistan (2008) on "Experimental Design and Analyses".