

# PUBLICATIONS

(Heinz Müller-Schärer, September 2018)

By Sept 2018, Heinz Müller-Schärer authored or co-authored 175 publications in internationally refereed journals with 6104 citations, h-index = 44 (29 since 2013) i10-index 101 (google scholar),

## Original research articles

Sudová R, Kohout P, Kolaříková Z, Rydlová J, Voříšková J; Suda J, Španiel S, Müller-Schärer H, Mráz P. 2018. Sympatric diploid and tetraploid cytotypes of *Centaurea stoebe* s.l. do not differ in arbuscular mycorrhizal communities and mycorrhizal growth response. *American Journal of Botany*, in press.

Müller-Schärer H, Sun Y, Chauvel B, Karrer G, Kazinczi G, Kudsk P, Oude Lansink AGJM, Schaffner U, Skjoth CA, Smith M, Vurro M, de Weger LA and Lommen STE. 2018. Cross-fertilizing weed science and plant invasion science to improve efficient management: a European challenge. *Basic and Applied Ecology*, in press.

Mouttet R, Augustinus B, Bonini M, Chauvel B, Gachet E, Le Bourgeois T, Müller-Schärer H, Thibaudon M, Schaffner U. 2018 Estimating economic benefits of expected biological control of an allergenic weed: a case study for *Ophraella communa* against *Ambrosia artemisiifolia* in southeastern France. *Basic and Applied Ecology*, in press.

Kiss L, Kovács GM, Bóka K, Bohár G, Varga Bohárné K, Németh MZ, Takamatsu S, Shin HD, Hayova V, Nischwitz C, Seier MK, Evans HC, Cannon P, Ash GJ, Shivas RG and Müller-Schärer H (2018). Deciphering the biology of *Cryptophyllachora eurasiatica* gen. et sp. nov., an often cryptic pathogen of an allergenic weed, *Ambrosia artemisiifolia*. *Scientific Reports*, in press.

Lommen STE, Jongejans E, Melinda Leitsch-Vitalos M, Tokarska-Guzik B, Zalai M, Müller-Schärer H and Gerhard Karrer G (2018) Time to cut: population models reveal how to mow invasive common ragweed cost-effectively. *NeoBiota* 39: 53–78.

Slodowicz D, Descombes P, Kikodze D, Broennimann O & Müller-Schärer H (2018). Areas of high conservation value at risk by plant invaders in Georgia under climate change. *Ecology and Evolution*, in press.

Lommen ST, Fogliatto S, Vidotto F, Citterio S, Augustinus BA & Müller-Schärer H (2018). Direct effects of insecticides on common ragweed-implications for natural enemy exclusion trials. *Journal of Pesticide Science*. D17-048.

Slodowicz D, Kikodze D, Khutsishvili M, Kalatozishvili L & Müller-Schärer H (2018). Monitoring invasive alien plants in Protected Areas in Georgia. *Bulletin of the Georgian National Academy of Sciences*, 12 (2) 111-116.

Sun Y, Zhou Z, Wang R & Müller-Schärer H (2018). Biological control opportunities of ragweed are predicted to decrease with climate change in East Asia[J]. *Biodiversity Science*, 25(12): 1285-1294. doi:10.17520/biods.2017096.

Lommen STE, Hallmann CA, Chauvel B, Leitsch-Vitalos M, Karrer G, Tóth P, Müller-Schärer H, Jongejans E. 2018. Field survey of the population dynamics of common ragweed (*Ambrosia artemisiifolia*; version 2. protocols.io, dx.doi.org/10.17504/protocols.io.mmyc47w.

Stutz S, Mráz P, Hinz HL, Müller-Schärer H. and Schaffner U. 2018 Biological invasion of oxeye daisy (*Leucanthemum vulgare*) in North America: pre-adaptation, post-introduction evolution, or both? *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0190705>

Slodowicz D, Kikodze D, Khutsishvili M, Kalatozishvili L, Müller-Schärer, H. 2018. Monitoring invasive alien plants in Protected Areas in Georgia. *Bulletin of the Georgian National Academy of Sciences*, in press.

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Tokasi S, Monfared EK, Yaghoubi B, Oveisi M, Sasanfar H, Mashhadi HR & Müller-Schärer H (2017). First report of *Ambrosia psilostachya* from Iran: An invasive plant species establishing in coastal area of Gilan province (N Iran). *Rostaniha*, 18(2): 222-26.

Lommen STE, Foglatto S, Vidotto F, Citterio S, Augustinus BA and Müller-Schärer H. 2017. Direct effects of insecticides on common ragweed - implications for natural enemy exclusion trials. *Journal of Pesticide Science*, in press

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