

PUBLICATIONS

(Heinz Müller-Schärer, August 2019)

By August 2019, Heinz Müller-Schärer authored or co-authored >200 publications in internationally refereed journals with 6965 citations, h-index = 45 (29 since 2014) i10-index 113 (google scholar).

Original research articles

Augustinus B & Sun Y, Beuchat C, Schaffner U, Müller-Schärer H. 2019. Predicting impact of a biocontrol agent: integrating distribution modelling with climate-dependent vital rates. *Ecological Applications*, in press.

Skjøth CA, Sun Y, Karrer G, Sikoparija B, Smith M, Schaffner U, Müller-Schärer H. 2019. Predicting abundances of invasive ragweed across Europe using a “top-down” approach. *Science of the Total Environment* 686, 212-222.

Liu YY, Sun Y, Müller-Schärer H, Yan R, Zhou ZX, Wang YJ, Yu FH. 2019. Do invasive alien plants response differ from non-invasives in dominance and nitrogen uptake to variation of abiotic and biotic environments under global anthropogenic change? *Science of The Total Environment*, 672: 634-642.

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*, 105:1995-2007.

Müller-Schärer H, Sun Y, Chauvel B, Karrer G, Kazinczi G, Kudsk P, Oude Lansink AGJM, Schaffner U, Skjøth 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*, 33: 1-13.

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*, 33: 14-24.

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*, 8: 10806.

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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*, 8: 4431-4442.

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.

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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.

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- 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>
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