

## Publication list Prof. Dr. Wolfgang Nentwig

### Websites

Nentwig W, Blick T, Gloor D, Hänggi A, Kropf C (2011) araneae – Spiders of Europe. <http://www.araneae.unibe.ch>

(editor in chief, since 1998)

World Spider Catalog <http://wsc.nmbe.ch> (organizing board, since 2013)

### Book publications

Nentwig W, Bacher S, Brandl R (2017) Ökologie kompakt. 4th edition, Spektrum, Heidelberg

Nentwig W (ed) (2013) Spider ecophysiology. Springer, Heidelberg

Nentwig W, Bacher S, Brandl R (2011) Ökologie kompakt. 3rd edition, Spektrum, Heidelberg

Nentwig W (2011) (ed) Unheimliche Eroberer. Invasive Pflanzen und Tiere in Europa. Haupt, Bern.

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DAISIE (2009) Handbook of alien species in Europe. Springer, Dordrecht

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Pysek P, Cock M, Nentwig W, Ravn HP (eds) 2007 Ecology and management of *Heracleum mantegazzianum*. CABI, Wallingford

Nentwig W (ed) (2007) Biological invasions. Ecological Studies 193. Springer, Berlin

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Nielsen C, Ravn HP, Nentwig W, Wade M (eds.) (2005) The Giant Hogweed best practice manual. Guidelines for the management and control of an invasive weed in Europe. Forest & Landscape Denmark, Hoersholm

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Hänggi A, Stöckli E, Nentwig W (1995) Habitats of Central European spiders. CSCF, Neuchâtel

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Nentwig W (1993) Spiders of Panama. Biogeography, investigation, phenology, check list, key and bibliography of a tropical spider fauna. Fauna and Flora Handbook No. 12, Sandhill Crane Press, Gainesville, USA

Heimer S, Nentwig W (1991) Spinnen Mitteleuropas. Ein Bestimmungsbuch. Parey, Hamburg

Nentwig W (ed.) (1987) Ecophysiology of spiders. Springer, Berlin

### Book chapters

Nentwig W (2018) Human health impact by alien spiders and scorpions. In: Mazza G, Tricarico E (eds) invasive species and human health. CABI International, Wallingford

- Nentwig W, Mebs D, Vila M (2017) Impact of non-native animals and plants on human health. In: Vila M, Hulme PE (eds) Impact of biological invasions on ecosystem services. Springer, Heidelberg, pp 277 - 293
- Nentwig W, Mebs D, Vila M (2016) Impact of non-native animals and plants on human health. In: Vila M, Hulme P, Ruiz G (eds) Impact of biological invasions on ecosystem services. Springer, Dordrecht
- Kuhn-Nentwig L, Schaller J, Schürch S, Nentwig W (2015) Venom of *Cupiennius salei* (Ctenidae). In: Gopalakrishnakone P, Corzo G, de Lima ME, Diego-García E (eds) Spider venoms. Springer, Dordrecht
- Kuhn-Nentwig L, Nentwig W (2013) The immune system of spiders. In: Nentwig W (ed) Spider ecophysiology. Springer, Heidelberg
- Kuhn-Nentwig L, Nentwig W (2013) The cytotoxic mode of action of the venom of *Cupiennius salei* (Ctenidae). In: Nentwig W (ed) Spider ecophysiology. Springer, Heidelberg
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- Nentwig W, Kuhn-Nentwig L (2013) Spider venoms potentially lethal to humans. In: Nentwig W (ed) Spider ecophysiology. Springer, Heidelberg
- Pyšek P, Hulme P, Nentwig W, Vila M (2011) DAISIE Project. In: Simberloff D, Rejmánek M (eds) Encyclopedia of biological invasions. Berkeley and Los Angeles: University of California Press, 138-142
- Baur B, Nentwig W (2010) Wandel der Biodiversität in der Schweiz seit 1900. Ist die Talsohle erreicht? In: Invasive Arten. Edited by: Lachat T, Pauli D, Gonseth Y, Klaus G, Scheidegger C, Vittoz P, Walter T. 324-348 Haupt, Bern
- Nentwig W, Josefsson M (2010) Introduction. In: Alien terrestrial arthropods of Europe. Edited by: Roques A, Kenis M, Lees D, Lopez-Vaamonde C, Rabitsch W Rasplus J-Y, Roy DB. BioRisks, Special issue 4: 5-9 Pensoft Publishers, Sofia
- Nentwig W, Kobelt M (2010) Spiders (Araneae). In: Alien terrestrial arthropods of Europe. Edited by: Roques A, Kenis M, Lees D, Lopez-Vaamonde C, Rabitsch W Rasplus J-Y, Roy DB. BioRisks, Special issue 4: 131-147 Pensoft Publishers, Sofia
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- Nentwig W (2008) *Homo sapiens* – Vom Jäger und Sammler zum Bedroher der Schöpfung. In: Klose J, Oehler J (eds) Gott oder Darwin? Vernünftiges Reden über Schöpfung und Evolution. Springer, Berlin, pp 275-290
- Hansen SO, Hattendorf J, Nielsen C, Wittenberg R, Nentwig W (2007) Herbivorous arthropods on *Heracleum mantegazzianum* in its native and invaded distribution range. In: Pyšek P, Cock MJW, Nentwig W, Ravn HP (eds) Ecology and management of giant hogweed (*Heracleum mantegazzianum*). CABI, Wallingford, pp 170-188
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- Nentwig W (2007) General Conclusions, or what has to be done now? In: Nentwig W (ed) Biological invasions, Ecological Studies 193, Springer, Berlin, pp 419-423
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- Nentwig W, Frank T, Lethmayer C (1998) Sown weed strips: Artificial ecological compensation areas as an important tool in conservation biological control. In: Barbosa P (ed) Conservation biological control. Academic Press, San Diego, pp 133-153
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### **Journal publications (ISI standards)**

- Kropf C, Blick T, Brescovit AD, Chatzaki M, Dupérré N, Gloor D, Haddad CR, Harvey MS, Jäger P, Marusik YM, Ono H, Rheims CA, Nentwig W (2019) How not to delimit taxa: a critique on a recently proposed “pragmatic classification” of jumping spiders (Arthropoda: Arachnida: Araneae: Salticidae). *Zootaxa* 4545 83): 444-446
- Langenegger N, Koua D, Schürch S, Heller M, Nentwig W, Kuhn-Nentwig L (2018) Identification of a precursor processing protease from the spider *Cupiennius salei* essential for venom neurotoxin maturation. *Journal of Biological Chemistry* 293: 2079-2090
- Roy HE, ... Nentwig W, 42 further authors (2018) Developing a list of invasive alien species likely to threaten biodiversity and ecosystems in the European Union. *Global Change Biology* DOI: 10.1111/gcb.14527
- Taucare-Rios A, Nentwig W, Bizama G, Bustamente RO (2018) Matching global and regional distribution models of the recluse spider *Loxosceles rufescens*: to what extent do these reflect niche conservatism? *Medical and Veterinary Entomology*, doi: 10.1111/mve.12311
- Seebens H, Blackburn TM, Dyer EE, Genovesi P, Hulme PE, Jeschke JM, Pagad S, Pysek P, van Kleunen M, Winter M, Ansong M, Arianoutsou M, Bacher S, Blasius B, Brockerhoff EG, Brundu G, Capinha C, Causton CE, Celesti-Grapow L, Dawson W, Dullinger S, Economo EP, Fuentes N, Guénard B, Jäger H, Kartesz J, Kenis M, Kühn I, Lenzner B, Liebhold AM, Mosen A, Moser D, Nentwig W, Nishino M, Pearman D, Pergl J, Rabitsch W, Rojas-Sandoval J, Roques A, Rorke S, Rossinelli S, Roy HE, Scalera R, Schindler S, Stajerová K, Tokarska-Guzik B, Walker K, Ward DF, Yamanaka T, Essl F (2018) Global rise in emerging alien species results from increased accessibility of new source pools. *Proceedings of the National Academy of Science USA*, doi/10.1073/pnas.1719429115

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- Kuhn-Nentwig L, Sheynis T, Kolusheva S, Nentwig W, Jelinek R (2013) N-terminal aromatic residues closely impact the cytolytic activity of cupiennin 1a, a major spider venom peptide. *Toxicon*, 75:177-186

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