

List of Giant Alien Project papers

Peer Reviewed Articles:

Hansen S. O., Hattendorf J., Wittenberg R., Reznik S. Ya., Nielsen C., Ravn H. P. and Nentwig W., 2006. Phytophagous insect fauna on the weed *Heracleum mantegazzianum* (Apiaceae) in the invaded areas of Europe and in the native area of the Western Caucasus. *European Journal of Entomology*, 103: 387-395 (http://www.eje.cz/pdfarticles/1124/eje_103_2_387_Hansen.pdf)

Hansen S. O., Hattendorf J. and Nentwig, W., 2006. Mutualistic relationship beneficial for aphids and ants on giant hogweed (*Heracleum mantegazzianum*). *Community Ecology*, 7: 43-52 (http://www.giant-alien.dk/pdf/Hansen_et_al_Comm_Ecol_2006.pdf)

Hattendorf J., Hansen S.O., Reznik S. Ya. and Nentwig W., 2005. Herbivorous impact versus host size preference: Endophagous insects on *Heracleum mantegazzianum* in its native range. *Environmental Entomology*, 35: 1013-1020 (http://www.giant-alien.dk/pdf/Hattendorf_et_al_Environ_Ent_2006.pdf)

Jahodová S., Trybush S., Pyšek P., Wade M. and Karp A., 2007. Invasive species of *Heracleum* in Europe: an insight into genetic relationships and invasion history. *Diversity and Distributions*, 13: 99-114 (http://www.giant-alien.dk/pdf/Jahodova_et_al_2007.pdf)

Karsholt O., Lvovsky A. and Nielsen C., 2006. A new species of *Agonopterix* feeding on the giant hogweed (*Heracleum mantegazzianum*) in the Caucasus, with a discussion of the nomenclature of *Phalaena* (*Tortrix*) *heracliana* Linnaeus (Depressariidae). *Nota Lepidopterologica* 28: 177-192 (http://www.giant-alien.dk/pdf/Karsholt_et_al_2006.pdf)

Krinke L., Moravcová L., Pyšek P., Jarošík V., Pergl J. and Perglová I., 2005. Seed bank in an invasive alien *Heracleum mantegazzianum* and its seasonal dynamics. *Seed Science Research* 15: 239-248. (http://www.giant-alien.dk/pdf/Krinke_et_al_SeedSciRes2005.pdf)

Moravcová L., Perglová I., Pyšek P., Jarošík V. and Pergl J., 2005. Effects of fruit position on fruit mass and seed germination in the alien species *Heracleum mantegazzianum* (Apiaceae) and the implications for its invasion. *Acta Oecologica* 28: 1-10 (http://www.giant-alien.dk/pdf/Moracova_et_al_ActaOecol2005.pdf)

Moravcová L., Pyšek P., Pergl J., Perglová I., and Jarošík V., 2006. Seasonal pattern of germination and seed longevity in the invasive species *Heracleum mantegazzianum*. *Preslia* 78: 287-301 (http://www.giant-alien.dk/pdf/Moravcova_Pysek_et_al_Preslia_2006.pdf)

Müllerová J., Pyšek P., Jarošík V. and Pergl J., 2005. Aerial photographs as a tool for assessing the history of invasion by *Heracleum mantegazzianum*. *Journal of Applied Ecology* 42: 1042-1053 (http://www.giant-alien.dk/pdf/Mullerova_et_al_2005.pdf)

Nehrbass N. and Winkler E., 2007. Is the Giant Hogweed still a threat? An individual-based modelling approach for local invasion dynamics of *Heracleum mantegazzianum*. *Ecological Modelling* 201: 377-384 (http://www.giant-alien.dk/pdf/Nehrbass_and_Winkler_2007.pdf)

Nehrbass N., Winkler E., Pergl J., Perglová I. and Pyšek P., 2006. Empirical and virtual investigation of the population dynamics of an alien plant under the constraints of local carrying capacity: *Heracleum mantegazzianum* in the Czech Republic. *Evolution and Systematics* 7: 253-262 (http://www.giant-alien.dk/pdf/Nehrbass_et_al2006.pdf)

Nehrbass N., Winkler E., Müllerová J., Pergl J., P. Pyšek and Perglová I., 2007. A simulation model of plant invasion: long-distance dispersal determines the pattern of spread. *Biological Invasions* 9: 383-395 (http://www.giant-alien.dk/pdf/Nehrbass_et_al_2007.pdf)

Pergl J., Perglová I. and Pyšek P., 2005. Age structure of *Heracleum mantegazzianum* populations studied by using herbchronology [In Czech, summary in English]. *Zprávy České Botanické Společnosti, Praha*, 40, Mater. 20: 121-126 (http://www.giant-alien.dk/pdf/Pergl_et_al_2005.pdf)

Pergl J., Perglová I., Pyšek P., and Dietz H., 2006. Population age structure and reproductive behavior of the monocarpic perennial *Heracleum mantegazzianum* (Apiaceae) in its native and invaded distribution ranges. *American Journal of Botany* 93: 1018-1028 (http://www.giant-alien.dk/pdf/Pergl_et_al_AmJBot_2006.pdf)

Perglova I., Pergl J. and Pyšek P., 2006. Flowering phenology and reproductive effort of the invasive alien plant *Heracleum mantegazzianum*. *Preslia* 78: 265-285 (http://www.giant-alien.dk/pdf/Perglova_Pergl_Pysek_Preslia_2006.pdf)

Pyšek P., Krinke L., Jarošík V., Perglova I., Pergl J. and Moracová L., 2007. Timing and extent of tissue removal affect reproduction characteristics of an invasive species *Heracleum mantegazzianum*. *Biological Invasions* 9: 335-351 (http://www.giant-alien.dk/pdf/Pysek_et_al_2007.pdf)

Seier M.K., 2005. Fungal pathogens as classical biological control agents for invasive weeds – is it a viable concept for Europe. *Neobiota* 6: 165-176 (http://www.giant-alien.dk/pdf/Seier_Neobiota2005.pdf)

Seier, M., Wittenberg R., Ellison C.A., Djeddour D.H. and Evans, H.C., 2003. Surveys for natural enemies of giant hogweed (*Heracleum mantegazzianum*) in the Caucasus Region and assessment for their classical biological control potential in Europe. In Cullen, J.M.; Briese, D.T.; Kritikos, D.J.; Lonsdale, W.M.; Morin, L.; Scott, J.K. (eds.) *Proceedings of the XI International Symposium on Biological Control of Weeds*, 27 April – 2 May 2003, Canberra, Australia. CSIRO Entomology, Canberra, Australia, pp. 149-154.

Thiele J. and Otte A., 2006. Analysis of habitats and communities invaded by *Heracleum mantegazzianum* Somm. et Lev. (Giant Hogweed) in Germany. *Phytocoenologia*, 36: 281-320 (http://www.giant-alien.dk/pdf/Thiele_and_Otte_2006.pdf)

Zlobin V.V., 2005. A new species of *Melanagromyza* feeding on giant hogweed in the Caucasus (Diptera: Agromyzidae). *Zoosyst. Rossica* 14: 173-177 (http://www.giant-alien.dk/pdf/Zlobin_2005a.pdf)

Non refereed literature:

Bruun, H.H., M. Erneberg, and H.P. Ravn, 2003. Kæmpebjørnekloens indvandringshistorie i Danmark [*in Danish: The immigration history of Heracleum mantegazzianum in Denmark*]. *Urt*, 27 (2): 43-49.

de Voogd, B., de Jong, M., and Nielsen, C., 2003. Use of *Sclerotinia sclerotiorum* as a mycoherbicide to control the spread of giant hogweed (*Heracleum mantegazzianum*) in the Netherlands and Denmark. Manuscript cross-posted to Botanical Electronic News, no. 318, and International Bioherbicide Group Newsletter (IBG Newsletter), vol 12, no. 2.

Hüls, J., 2005. Populationsbiologische Untersuchung von *Heracleum mantegazzianum* Somm. et Lev. in Subpopulationen unterschiedlicher Individuendichte. PhD Thesis. University of Giessen, Landscape Ecology and Landscape Planning.

Nehrbass, N. and Bucharova, A., 2005. The Giant Alien – a project to find suitable control of *Heracleum mantegazzianum* [*In Czech*].

Nielsen, C. and H.P. Ravn, 2005. Ny håndbog om bekæmpelse af Kæmpe-Bjørneklo [*In Danish*]. *Planteforskning.dk – Aktuel Forskning*, November 2005.

Nielsen, C., H.P. Ravn and R.M. Buttenschøn, 2005. Naturlig bekæmpelse af Kæmpe-Bjørneklo [*In Danish: The utilisation of natural enemies for the control of Giant Hogweed*]. *KomPosten*, January 2005, 1: 16-17.

Nielsen, C., H.P. Ravn, W. Nentwig and P.M. Wade (eds.), 2005. The Giant Hogweed Best Practice Manual. Guidelines for the management and control of an invasive weed in Europe. *Forest & Landscape Denmark*, Hørsholm, 44 pp.

Nielsen, C., B. de Voogd, H.P. Ravn, M.D. de Jong, 2004. Kæmpe-Bjørneklos naturlige fjender – potentielle organismer til bekæmpelse? [*In Danish: Natural enemies of giant hogweed: Organisms with potential for biological control?*] Urt 28 (3): 79-82.

Seier, M., 2003. Classical biological control of Giant Hogweed (*Heracleum mantegazzianum*). Contribution to the International Bioherbicide Group Newsletter (IGB Newsletter), July, 2003.

Wittenberg, R., 2004. The beauty and the beast - two faces of a plant. Aliens 18: 9.