

Publication List : Chloé Wüst-Galley, November 2021

Wüst-Galley, C., Volk, M., Bassin, S., 2020. **Interaction of climate change and nitrogen deposition on subalpine pastures.** Journal of Vegetation Science 00, 1-12.

Leifeld, J., Klein, K., Wüst-Galley, C., 2020. **Soil organic matter stoichiometry as indicator for peatland degradation.** Scientific Reports 10:7634, pp. 1-9.

Leifeld, J., Wüst-Galley, C., Page, S., 2019. **Intact and managed peatland soils as a source and sink of GHGs from 1850 to 2100.** Nature Climate Change 9, 945-947.

Wüst-Galley, C., Grünig, A., Leifeld, J., 2019. **Land use-driven historical soil carbon losses in Swiss peatlands.** Landscape Ecology, 1-15.

Keel, S.G., Anken, T., Büchi, L., Chervet, A., Fliessbach, A., Flisch, R., Huguenin-Elie, O., Mäder, P., Mayer, J., Sinaj, S., Sturny W., Wüst-Galley C., Zihlmann U., Leifeld J. 2019. **Loss of soil organic carbon in Swiss long-term agricultural experiments over a wide range of management practices.** Agriculture, Ecosystems & Environment 286, 106654.

Keel, S.G., Hirte, J., Abiven, S., Wüst-Galley, C., Leifeld, J., 2017. **Proper estimate of residue input as condition for understanding drivers of soil carbon dynamics.** Global change biology 23, 4455-4456.

Tanneberger, F., Moen, A., Joosten, H., Nilsen, N., et al. 2017. **The peatland map of Europe.** Mires and Peat 19, 1-22.

Wüst-Galley, C., Mössinger, E., Leifeld, J., 2016. **Loss of the soil carbon storage function of drained forested peatlands.** Mires and Peat 18, 1-22.

Wüst-Galley, C., Grünig, A., Leifeld, J., 2015. **Locating organic soils for the Swiss greenhouse gas inventory.** Agroscope Sci 26, 1-99.

Bellstedt, D.U., Galley, C., Pirie, M.D., Linder, H.P., 2012. **The migration of the palaeotropical arid flora: Zygophylloideae as an example.** Systematic Botany 37, 951-959.

Pirie, M.D., Humphreys, A.M., Antonelli, A., Galley, C., Linder, H.P., 2012. **Model uncertainty in ancestral area reconstruction: A parsimonious solution?** Taxon 61, 652-664.

Warren, B.H., Bakker, F.T., Bellstedt, D.U., Bytebier, B., Claßen-Bockhoff, R., Dreyer, L.L., Edwards, D., Forest, F., Galley, C., Hardy, C.R., 2011. **Consistent phenological shifts in the making of a biodiversity hotspot: the Cape flora.** BMC evolutionary biology 11, 39.

Linder, H.P., Baeza, M., Barker, N.P., Galley, C., Humphreys, A.M., Lloyd, K.M., Orlovich, D.A., Pirie, M.D., Simon, B.K., Walsh, N., 2010. **A generic classification of the Danthonioideae (Poaceae).** Annals of the Missouri Botanical Garden 97, 306-364.

Galley, C., Linder, H., Zimmermann, N., 2009. **Pentaschistis (Poaceae) diversity in the Cape mediterranean region: habitat heterogeneity and climate stability.** Global Ecology and Biogeography 18, 586-595.

Verboom, G.A., Archibald, J.K., Bakker, F.T., Bellstedt, D.U., Conrad, F., Dreyer, L.L., Forest, F., Galley, C., Goldblatt, P., Henning, J.F., 2009. **Origin and diversification of the Greater Cape flora: ancient species repository, hot-bed of recent radiation, or both?** Molecular Phylogenetics and Evolution 51, 44-53.

Bellstedt, D., Van Zyl, L., Marais, E., Bytebier, B., De Villiers, C., Dreyer, L., Galley, C., Pirie, M., Linder, H., 2008. **A molecular phylogeny reveals evidence of rapid and recent radiation in Cape and Australian members of the genus Zygophyllum.** South African Journal of Botany 2, 361.

Pirie, M.D., Humphreys, A.M., Galley, C., Barker, N.P., Verboom, G.A., Orlovich, D., Draffin, S.J., Lloyd, K., Baeza, C.M., Negritto, M., 2008. **A novel supermatrix approach improves resolution of phylogenetic relationships in a comprehensive sample of danthonioid grasses.** Molecular Phylogenetics and Evolution 48, 1106-1119.

Galley, C.A., 2007. **Macro-evolutionary and macro-ecological studies on the Cape flora, with focus on the *Pentaschistis* clade (Poaceae).** PhD Thesis. Mathematisch-naturwissenschaftliche Fakultät. University of Zurich, Switzerland.

Barker, N., Galley, C., Verboom, G., Mafa, P., Gilbert, M., Linder, H., 2007. **The phylogeny of the austral grass subfamily Danthonioideae: evidence from multiple data sets.** Plant Systematics and Evolution 264, 135-156.

Galley, C., Linder, H.P., 2007. **The phylogeny of the Pentaschistis clade (Danthonioideae, Poaceae) based on chloroplast DNA, and the evolution and loss of complex characters.** Evolution: International Journal of Organic Evolution 61, 864-884.

Galley, C., Bytebier, B., Bellstedt, D.U., Peter Linder, H., 2006. **The Cape element in the Afrotemperate flora: from Cape to Cairo?** Proceedings of the Royal Society B: Biological Sciences 274, 535-543.

Galley, C., Linder, H.P., 2006. **Geographical affinities of the Cape flora, South Africa.** Journal of Biogeography 33, 236-250.

Galley, C., Linder, H.P., 2006. **New species and taxonomic changes within *Pentaschistis* (Danthonioideae, Poaceae) from Western Cape, South Africa.** Bothalia 36, 157-162.

Non-peer-reviewed

Wüst-Galley, C., Leifeld, J., 2021. **Kohlenstoffsenke Moorböden: Zustand und Entwicklung.** HOTSPOT 43, pp. 6-7.

Wüst-Galley, C., Keel, S.G., Leifeld, J., 2021. **Modelling SOC in Switzerland's mineral agricultural soils using RothC: Sensitivity analysis.** Agroscope Science 113, pp. 1-64.

Wüst-Galley, C., Keel, S.G., Leifeld, J., 2020. **A model-based carbon inventory for Switzerland's mineral agricultural soils using RothC.** Agroscope Science 105, pp. 1-110.

Wüst-Galley, C., Leifeld, J., 2019. **Entwicklung der Kohlenstoffvorräte und Treibhausgasemissionen der Moorböden seit 1850.** In: Stuber, M., Bürgi, M. (Eds.), Vom «eroberten Land» zum Renaturierungsprojekt – Geschichte der Feuchtgebiete in der Schweiz seit 1700. Pp 231-241. Paul Haupt Verlag, Bristol-Schriftenreihe 59. Bern, Switzerland.