

List of peer-reviewed publications

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<https://scholar.google.com/citations?user=aG043r8AAAAJ&hl=en&oi=ao>

Kienast F, **Helfenstein J**, Grêt-Regamey A, et al (2019) Ecosystem Services Under Pressure. In: von Haaren C, Lovett AA, Albert C (eds) *Landscape Planning with Ecosystem Services*. Springer Netherlands, Dordrecht, pp 91–101

Helfenstein J, Pistocchi C, Oberson A, et al (2019) Estimates of mean residence times of phosphorus in commonly-considered inorganic soil phosphorus pools. *Biogeosciences Discussions*.

Pawlowski ML, **Helfenstein J**, Frossard E, Hartman GL (2019) Boron and zinc deficiencies and toxicities and their interactions with other nutrients in soybean roots, leaves, and seeds. *Journal of Plant Nutrition* 42:1–16. doi: 10.1080/01904167.2019.1567782

Helfenstein J, Tamburini F, von Sperber C, et al (2018) Combining spectroscopic and isotopic techniques gives a dynamic view of phosphorus cycling in soil. *Nature Communications* 9:. doi: 10.1038/s41467-018-05731-2

Helfenstein J, Jegminat J, McLaren TI, Frossard E (2018) Soil solution phosphorus turnover: derivation, interpretation, and insights from a global compilation of isotope exchange kinetic studies. *Biogeosciences* 15:105–114. doi: 10.5194/bg-15-105-2018

Tamburini F, Pistocchi C, **Helfenstein J**, Frossard E (2018) A method to analyse the isotopic composition of oxygen associated to organic phosphorus in soil and plant material. *European Journal of Soil Science* 69:816–826. doi: 10.1111/ejss.12693

Kienast F, **Helfenstein J** (2016) Modelling Ecosystem Services. In: Potschin M, Haines-Young R, Fish R, Turner RK (eds) *Routledge Handbook of Ecosystem Services*. Routledge, Milton Park, UK

Helfenstein J, Kienast F (2014) Ecosystem service state and trends at the regional to national level : A rapid assessment. *Ecological Indicators* 36:11–18

Helfenstein J, Müller I, Grüter R, et al (2016) Organic Wheat Farming Improves Grain Zinc Concentration. *PLoS One*. doi: 10.1371/journal.pone.0160729

Helfenstein J, Pawlowski ML, Hill CB, et al (2015) Zinc deficiency alters soybean susceptibility to pathogens and pests. *Plant Nutrition and Soil Science* 178:896–903

Helfenstein J, Bauer L, Clalüna A, et al (2014) Landscape ecology meets landscape science. *Landscape Ecology* 29:1109–1113. doi: 10.1007/s10980-014-0055-6