

Publikationsliste Nikolas Hagemann, Stand 05.05.2017

Artikel in Fachjournalen (peer-reviewed):

Kammann C, Ippolito J, Hagemann N, Borchard N, Cayuela ML, Estavillo JM, Fuertes-Mendizabal T, Jeffery S, Kern J, Novak J, Rasse D, Saarnio S, Schmidt HP, Spokas K, Wrage-Mönnig N (*in press*). *Biochar as a tool to reduce the agricultural greenhouse-gas burden – knowns, unknowns and future research needs*. Journal of Environmental Engineering and Landscape Management.

B.S. Archanjo BS, Mendoza ME, Albu M, Mitchell DRG, Hagemann N, Mayrhofer C, Thi Lan Anh Mai, Zhe Weng, Kappler A, Behrens S, Munroe P, Achete CA, Donne S, Araujo JR, van Zwieten L, Horvat J, Enders A, Joseph S (2017) *Nanoscale analyses of the surface structure and composition of biochars extracted from field trials or after co-composting using advanced analytical electron microscopy*. Geoderma 298:70-79

Hagemann N, Kammann CI, Schmidt HP, Kappler A, Behrens S (2017): *Nitrate capture and slow release in biochar amended compost and soil*. PLOS ONE, 12 (2), e0171214.

Hagemann N, Harter J, Kaldamukova R, Guzman-Bustamante I, Ruser R, Graeff S, Kappler A, Behrens S (2016): *Does soil aging affect the N₂O mitigation potential of biochar? A combined microcosm and field study*. GCB Bioenergy, DOI: 10.1111/gcbb.12390

Gebhard E, Hagemann N, Hensler L, Schweizer S, Wember C (2015). *Agriculture and Food 2050: Visions to Promote Transformation Driven by Science and Society*. Journal of Agricultural and Environmental Ethics 28(3): 497-516.

Buchkapitel:

Hagemann N, Harter J, Behrens S (2016): *Elucidating the Impacts of Biochar Applications on Nitrogen Cycling Microbial Communities*. In: Ralebitso-Senior TK, Orr CH: *Biochar Application - Essential Soil Microbial Ecology*. Amsterdam, Elsevier: 163-198.

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Meisch S, Hagemann N, Geibel J, Gebhard E, Drupp M (2015): *Indicator-Based Analysis of the Process Towards a University in Sustainable Development: A Case Study of the University of Tübingen (Germany)* In: Filho WL, Brandli L, Kuznetsova O, de Paço AMF: *Integrative Approaches to Sustainable Development at University Level: Making the Links*. Cham, Springer International Publishing: 169-183.

Hagemann N, Meisch S: *Kriterien für nachhaltige Hochschulen – am Beispiel der Universität Tübingen*. In: Tremmel J: *Generationengerechte und nachhaltige Bildungspolitik*. Wiesbaden, Springer Fachmedien: 65-99

Hagemann N. (2012): *Biochar for smallholder farmers in East Africa – arguing for transdisciplinary research*; in Potthast T, Meisch S (eds): *Climate Change and Sustainable Development*, Wageningen, Wageningen Academic Publishers: 400-404 (peer-reviewed)