

LIST OF PUBLICATIONS & CONTRIBUTIONS ON CONFERENCES

Peer-reviewed articles as first author and co-author

2017

Urbanski, L., Kölbl, A., Schad, P., Lehndorff, E., Houtermanns, M., Amelung, W., Zhang, G., Utami, S.R., Kögel-Knabner, I. Paddy management on different soil types does not promote lignin accumulation (in press: *Journal of Plant Nutrition and Soil Science*).

2016

Winkler, P., Kaiser, K., Kühn, T., Kölbl, A., **Urbanski, L.**, Schad, P., Fiedler, S., Lehndorff, E., Utami, S.R., Cao, Z.H., Jahn, R., Kögel-Knabner, I., 2016. Response of Vertisols, Andosols and Alisols in Indonesia and China to paddy management. *Geoderma* 261, 23-35.

2014

Wissing, L., Kölbl, A., Schad, P., Bräuer, T., Cao, Z-H., Kögel-Knabner, 2014. Organic carbon accumulation on soil mineral surfaces in paddy soils derived from tidal wetlands. *Geoderma* 228, Special Issue: SI, 90-103.

Kölbl, A., Schad, P., Jahn, R., Amelung, W., Bannert, A., Cao, Z.H., Fiedler, S., Kalbitz, K., Lehndorff, E., Müller-Niggemann, C., Schloter, M., Schwark, L., Vogelsang, V., **Wissing, L.**, Kögel-Knabner, I., 2014. Accelerated soil formation due to paddy management on marshlands (Zhejiang Province, China *Geoderma* 228, Special Issue: SI, 67-89.

2013

Kalbitz, K., Kaiser, K., Fiedler, S., Kölbl, A., Amelung, W., Bräuer, T., Cao, Z-H., Don, A., Grootes, P., Jahn, R., Schwark, L., Vogelsang, V., **Wissing, L.**, Kögel-Knabner I., 2013. The carbon count of 2000 years of rice cultivation. *Global Change Biology*, 19, 1107-1113.

Wissing, L., Kölbl, A., Häusler, W., Schad, P., Cao, Z-H., Kögel-Knabner, I., 2013. Management-induced organic carbon accumulation in paddy soils: The role of organo-mineral associations. *Soil Tillage Research* 126, 60-71.

2011

Wissing, L., Kölbl, A., Vogelsang, V., Fu, J., Cao, Z-H., Kögel-Knabner, I., 2011. Organic carbon accumulation in a 2000-year chronosequence of paddy soil evolution. *Catena* 87, 376-385.

Roth, P. J., Lehndorff, E., Cao, Z-H., Zhuang, S., Bannert, A., **Wissing, L.**, Schloter, M., Kögel-Knabner, I., Amelung, W., 2011. Accumulation of nitrogen and microbial residues during 2000 years of rice paddy and non-paddy soil development in the Yangtze River Delta, China. *Global Change Biology* 17 (11), 3405-3417.

Bannert, A., Müller-Niggemann, C., Kleineidam, K., **Wissing, L.**, Cao, Z-H., Schwark, L., Schloter, M., 2011. Comparison of lipid biomarker and gene abundance characterizing the archaeal ammonia-oxidizing community in flooded soils. *Biology and Fertility of Soils* 47, 839-843

Bannert, A., Kleineidam, K., **Wissing, L.**, Müller-Niggemann, C., Vogelsang, V., Cao, Z-H., Schloter, M., 2011. Changes in diversity and functional gene abundances of microbial communities involved in nitrogen fixation, nitrification and denitrification comparing a tidal wetland to paddy soils cultivated for different time periods. *Applied and Environmental Microbiology* 77, 6109–6116.

Contributions on national and international conferences

European Geosciences Union. Vienna, Austria 2016.

oral presentation: *Soil type-depending effect of paddy management: composition and distribution of soil organic matter*

5th International Symposium on Soil Organic Matter. Göttingen, Germany 2015.

Poster presentation: *Soil type-depending effect of paddy management: composition and distribution of soil organic matter*

DBG-Tagung. München, Germany 2015.

Poster presentation: *Verteilung und Zusammensetzung der organischen Bodensubstanz in Nassreisböden: Welche Rolle spielen unterschiedliche Bodentypen?*

International Paddy Soil Workshop. Freising, Germany 2014.

oral presentation: *Soil type-depending effect of paddy management: composition and distribution of soil organic matter*

European Geosciences Union. Vienna, Austria 2013.

oral presentation: *Soil mineral surfaces of paddy soils are accessible for organic carbon accumulation after decalcification*

DBG-Tagung. Rostock, Germany 2013.

oral presentation: *Die Verteilung von organischem Kohlenstoff in Nassreisböden: Welche Rolle spielen unterschiedliche Bodentypen?*

International Union of Soil Sciences. Ulm, Germany 2013.

oral presentation: *Soil type-depending effect of paddy management: Organic carbon distribution and stocks*

4th International Congress of the European Confederation of Soil Science Societies, Bari, Italy, 2012

Poster presentation: *Organic carbon accumulation in a 2000-year chronosequence of paddy soil evolution*

DBG-Tagung. Berlin, Germany 2011.

oral presentation: *Akkumulation von organischem Kohlenstoff innerhalb von 2000 Jahren Nassreisbodengenese*

European Geosciences Union. Vienna, Austria 2010.

poster presentation: *Development of bulk density, total C distribution and OC saturation in fine mineral fractions during paddy soil evolution*

19th World Congress of Soil Science. Brisbane, Australia 2010

oral presentation: *Development of bulk density, total carbon distribution and organic carbon saturation during paddy soil evolution*