

List of Publications

Publications in International Peer-reviewed Journals

Berger S, Praetzel L, Goebel M, Blodau C, Knorr K-H. Differential response of carbon cycling to long-term nutrient input and altered hydrological conditions in a continental Canadian peatland. *Biogeosciences* 15 (2018) 885–903.

Berger S, Gebauer G, Blodau C, Knorr K-H. Peatlands in a eutrophic world – assessing the state of a poor fen-bog transition in southern Ontario, Canada, after long term nutrient input and altered hydrological conditions. *Soil Biology & Biochemistry* 114 (2017) 131–144.

Burger M, **Berger S**, Spangenberg I, Blodau C. Summer fluxes of methane and carbon dioxide from a pond and floating mat in a continental Canadian peatland. *Biogeosciences* 13 (2016) 3777-3791.

Kim Y, **Berger S**, Kettering J, Tenhunen J, Haas E, Kiese R. Simulation of N₂O emissions and nitrate leaching from plastic mulch radish cultivation with landscapeDNDC. *Ecological Research* 29 (2014) 441-454.

Jung EY, Otieno D, Kwon H, **Berger S**, Hauer M, Tenhunen J. Influence of elevation on canopy transpiration of temperate deciduous forests in a complex mountainous terrain of South Korea. *Plant and Soil* 378 (2014) 153-172.

Berger S, Jang I, Seo J, Kang H, Gebauer G. A record of N₂O and CH₄ emissions and underlying processes of Korean rice paddies as affected by different water management practices. *Biogeochemistry* 115 (2013) 317-332.

Berger S, Kim Y, Kettering J, Gebauer G. Plastic mulching in agriculture - friend or foe of N₂O emissions? *Agriculture, Ecosystems & Environment*, 167 (2013) 43-51.

Berger S, Jung EY, Köpp J, Kang H, Gebauer G. Monsoon rains, drought periods and soil texture as drivers of soil N₂O fluxes - Soil drought turns East Asian temperate deciduous forest soils into temporary and unexpectedly persistent N₂O sinks. *Soil Biology & Biochemistry* 57 (2013) 273-281.

Conference Contributions

Berger S, Praetzel L, Goebel M, Blodau C, Knorr K-H: *Responses of carbon cycling in a peatland subjected to long-term nutrient input and altered hydrologic conditions*, European Geosciences Union General Assembly, Vienna, Austria, 2018 (oral presentation)

Berger S, Bliedernicht J, Mauder M, Heinzeller D, Guug S, Quansah E, Hingerl L, Aduna A, Salack S, Kunstmann H: *Analyzing the impact of land cover changes on water, energy and CO₂ fluxes in the West African Sudanian Savannah using Eddy Covariance stations*, European Geosciences Union General Assembly, Vienna, Austria, 2017 (poster presentation)

Berger S, Gebauer G, Blodau C, Knorr K-H: *Peatlands in a eutrophic world – assessing the state of a poor fen-bog transition in southern Ontario, Canada, after long term nutrient input and altered hydrological conditions*, European Geosciences Union General Assembly, Vienna, Austria, 2017 (poster presentation)

Praetzel L, **Berger S**, Blodau C: *Methane production and oxidation patterns along a hydrological gradient in Luther Bog, Ontario*, European Geosciences Union General Assembly, Vienna, Austria, 2016 (poster presentation)

Biro B, **Berger S**, Praetzel L, Blodau C: *Can we distinguish autotrophic respiration from heterotrophic respiration in a field site using high temporal resolution CO₂ flux measurements?*, European Geosciences Union General Assembly, Vienna, Austria, 2016 (poster presentation)

Blodau C, Burger M, **Berger S**, Spangenberg I: *Summer fluxes of methane and carbon dioxide from a pond and floating mat in a continental Canadian peatland*, European Geosciences Union General Assembly, Vienna, Austria, 2016 (oral presentation)

Fleischer E, **Berger S**, Burger M, Forsyth J, Goebel M, Wagner-Riddle C, Blodau C, Klemm O: *Methane and carbon dioxide fluxes in a hydrologically changed wetland in Canada*, European Geosciences Union General Assembly, Vienna, Austria, 2015 (poster presentation)

Burger M, **Berger S**, Blodau C: *Atmospheric exchange of carbon dioxide and methane of a small water body and a floating mat in the Luther Marsh peatland, Ontario, Canada*, European Geosciences Union General Assembly, Vienna, Austria, 2015 (poster presentation)

Berger S, Blodau C: *Impact of long-term wetter conditions and ecosystem change on CO₂ and CH₄ fluxes in a northern temperate bog (Ontario, Canada)*, BIOGEOMON, Bayreuth, Germany, 2014, 8th International Symposium on Ecosystem Behavior (poster presentation)

Berger S, Gebauer G: *The switch between N₂O source and sink function in monsoon-affected deciduous forest soils of South Korea is driven by soil moisture*, BIOGEOMON, Northport, Maine, USA, 2012, 7th International Symposium on Ecosystem Behavior (oral presentation)

Breiner F, Kallnik K, **Berger S**, Irl S, Rausch P, Thoma M, Eckl M, Ganser B, Camemisch M, Walther G-R: *GLORIA-Target Region SNP*, 5th International GLORIA meeting, Perth, Scotland/UK, 2010 (poster presentation)