

## Prof. Dr. Mehmet Senbayram

Publikationen in begutachteten Zeitschriften und begutachtete Tagungsbände

### 2014

Cabeza, R.A.; Lingner, A.; Liese, R.; Sulieman, S.; **Senbayram, M.**; Tränkner, M.; Dittert, K. & Schulze, J. (2014) The Activity of Nodules of the Supernodulating Mutant Mt(sunn) Is not Limited by Photosynthesis under Optimal Growth Conditions. *Int. J. Mol. Sci.* 15, 6031–6045.

Chen, R.; **Senbayram, M.**; Blagodatsky, S.; Myachina, O.; Dittert, K.; Lin, X.; Blagodatskaya, E. & Kuzyakov, Y. (2014) Soil C and N availability determine the priming effect: microbial N mining and stoichiometric decomposition theories. *Glob. Change Biol.* 20, 2356–2367.

Lebender, U.; **Senbayram, M.**; Lammel, J. & Kuhlmann, H. (2014) Effect of mineral nitrogen fertilizer forms on N<sub>2</sub>O emissions from arable soils in winter wheat production. *J. Plant Nutr. Soil Sci.* 177, 722–732.

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Lewicka-Szczebak, D.; Well, R.; Köster, J.R.; Fuss, R.; **Senbayram, M.**; Dittert, K. & Flessa, H. (2014) Experimental determinations of isotopic fractionation factors associated with N<sub>2</sub>O production and reduction during denitrification in soils. *Geochim. Cosmochim. Acta* 134, 55–73.

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**Senbayram, M.**; Chen, R.; Wienforth, B.; Herrmann, A.; Kage, H.; Mühling, K.H. & Dittert, K., (2014) Emission of N<sub>2</sub>O from Biogas Crop Production Systems in Northern Germany. *BioEnergy Res.* 4, 1223-1236.

Zorb, C.; **Senbayram, M.** & Peiter, E. (2014) Potassium in agriculture--status and perspectives. *J. Plant Physiol.* 171, 656–669.

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Köster, J.R.; Well, R.; Dittert, K.; Giesemann, A.; Lewicka-Szczebak, D.; Mühling, K.H.; Herrmann, A.; Lammel, J. & **Senbayram, M.** (2013): Soil denitrification potential and its influence on N<sub>2</sub>O reduction and N<sub>2</sub>O isotopomer ratios. *Rapid Commun. Mass Spectrom.* 2013, 27, 1–11 doi: 10.1002/rcm.6699.

## 2012

**Senbayram, M.**; Chen, R.R.; Budai, A.; Bakken, L.; & Dittert, K. (2012): N<sub>2</sub>O emission and the N<sub>2</sub>O/(N<sub>2</sub>O+N<sub>2</sub>) product ratio of denitrification as controlled by available carbon substrates and nitrate concentrations. *Agriculture, Ecosystem and Environment.*, 147:4-12.

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Dittert, K.; **Senbayram, M.**; Chen, R. & Mühling, K.H. (2009): Greenhouse gas emissions in biogas production systems. International Plant Nutrition Colloquium XVI. Davis. USA.

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