

Accepted Manuscript

Composition and concentration of root exudate analogues regulate greenhouse gas fluxes from tropical peat

N.T. Girkin, B.L. Turner, N. Ostle, S. Sjögersten



PII: S0038-0717(18)30344-4

DOI: [10.1016/j.soilbio.2018.09.033](https://doi.org/10.1016/j.soilbio.2018.09.033)

Reference: SBB 7300

To appear in: *Soil Biology and Biochemistry*

Received Date: 15 June 2018

Revised Date: 26 September 2018

Accepted Date: 29 September 2018

Please cite this article as: N.T. Girkin, B.L. Turner, N. Ostle, S. Sjögersten, Composition and concentration of root exudate analogues regulate greenhouse gas fluxes from tropical peat, *Soil Biology and Biochemistry* (2018), doi: [10.1016/j.soilbio.2018.09.033](https://doi.org/10.1016/j.soilbio.2018.09.033)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **Composition and concentration of root exudate analogues regulate greenhouse gas fluxes from**
2 **tropical peat**

3

4 Authors: N. T. Girkin^{a*1}, B. L. Turner^b, N. Ostle^c, S. Sjögersten^a

5 a. School of Biosciences, University of Nottingham, Nottingham NG7 2RD, UK

6 b. Smithsonian Tropical Research Institute, Apartado 0843-03092, Balboa, Ancon, Republic of Panama

7 c. Lancaster Environment Centre, Lancaster University, Lancaster LA1 4YQ, UK

8 *. Corresponding author: nicholas.girkin@gmail.com

9 1. Present address: Environment Research Centre, Teagasc, Johnstown Castle, Co. Wexford, Ireland

10

11 **KEYWORDS:** Tropical peat; Carbon dioxide; Methane; Root exudates; Organic acids; Methanogenesis

Download English Version:

<https://daneshyari.com/en/article/11026010>

Download Persian Version:

<https://daneshyari.com/article/11026010>

[Daneshyari.com](https://daneshyari.com)