

Accepted Manuscript

Plants mitigate detrimental nitrogen deposition effects on soil biodiversity

Yuanhu Shao, Tao Liu, Nico Eisenhauer, Weixin Zhang, Xiaoli Wang, Yanmei Xiong, Chenfei Liang, Shenglei Fu



PII: S0038-0717(18)30323-7

DOI: [10.1016/j.soilbio.2018.09.022](https://doi.org/10.1016/j.soilbio.2018.09.022)

Reference: SBB 7289

To appear in: *Soil Biology and Biochemistry*

Received Date: 14 June 2018

Revised Date: 21 September 2018

Accepted Date: 22 September 2018

Please cite this article as: Shao, Y., Liu, T., Eisenhauer, N., Zhang, W., Wang, X., Xiong, Y., Liang, C., Fu, S., Plants mitigate detrimental nitrogen deposition effects on soil biodiversity, *Soil Biology and Biochemistry* (2018), doi: <https://doi.org/10.1016/j.soilbio.2018.09.022>.

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 **Title:** Plants mitigate detrimental nitrogen deposition effects on soil biodiversity

2

3 **Authors:** Yuanhu Shao^{a,b}, Tao Liu^{b,e}, Nico Eisenhauer^{c,d}, Weixin Zhang^{a,b}, Xiaoli

4 Wang^f, Yanmei Xiong^g, Chenfei Liang^h, Shenglei Fu^{a,b*}

5 **Affiliations:** ^a *Key Laboratory of Geospatial Technology for the Middle and Lower*

6 *Yellow River Regions (Henan University), Ministry of Education, College of*

7 *Environment and Planning, Henan University, Kaifeng 475004, China*

8 ^b *Key Laboratory of Vegetation Restoration and Management of Degraded*

9 *Ecosystems, South China Botanical Garden, Chinese Academy of Sciences,*

10 *Guangzhou 510650, China*

11 ^c *German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig,*

12 *Deutscher Platz 5e, 04103 Leipzig, Germany*

13 ^d *Institute of Biology, Leipzig University, Deutscher Platz 5e, 04103 Leipzig, Germany*

14 ^e *University of the Chinese Academy of Sciences, Beijing 100049, China*

15 ^f *State Key Laboratory of Plateau Ecology and Agriculture, Qinghai Academy of*

16 *Animal and Veterinary Sciences, Qinghai University, Xining 810016, China;*

17 ^g *Research Institute of Tropical Forestry, Chinese Academy of Forestry, Guangzhou*

18 *510520, China*

19 ^h *Zhejiang Provincial Key Laboratory of Carbon Cycling in Forest Ecosystems and*

20 *Carbon Sequestration, Zhejiang A & F University, Lin'an 311300, China*

21 E-mail addresses for Shao, Liu, Eisenhauer, Zhang, Wang, Xiong, and Liang:

22 shaoyuanh@scbg.ac.cn; liutao211@mailsucas.ac.cn; nico.eisenhauer@idiv.de;

23 wxzhang@scbg.ac.cn; wangxiaoli@scbg.ac.cn; yanmei.xiong@qq.com;

* **Corresponding author:** Postal address: Key Laboratory of Geospatial Technology for the Middle and Lower Yellow River Regions (Henan University), Ministry of Education, College of Environment and Planning, Henan University, Kaifeng 475004, China. Tel:+86-0371-23881856; Fax: 86-0371-23881850; E-mail: sfu@scbg.ac.cn; fsl@henu.edu.cn.

Download English Version:

<https://daneshyari.com/en/article/11026001>

Download Persian Version:

<https://daneshyari.com/article/11026001>

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