Solid Earth Discuss., 6, C534–C538, 2014 www.solid-earth-discuss.net/6/C534/2014/

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SED

6, C534-C538, 2014

Interactive Comment

# Interactive comment on "Methodological interference of biochar in the determination of extracellular enzyme activities in composting samples" by K. Jindo et al.

K. Jindo et al.

keijindo@hotmail.com

Received and published: 2 June 2014

## Dear Editor of Solid Earth

Please find attached a revised version of the manuscript entitled "Methodological interference of biochar in the determination of extracellular enzyme activities in composting samples".

First of all, I would like to thank the referees and Chief editor whose suggestions have definitely improved the paper. Mainly, discussion part has been also improved with adding some references. Also, the additional table for biochar property as the referee's suggestion improved the paper. All comments and corrections have been added with

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blue colors.

Thank you very much,

Best regards,

**KEIJI JINDO** 

University of Tokyo

Please also note the supplement to this comment: http://www.solid-earth-discuss.net/6/C534/2014/sed-6-C534-2014-supplement.pdf

Interactive comment on Solid Earth Discuss., 6, 919, 2014.

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Fig. 1.

# Methodological interference of biochar in the determination of extracellular enzyme activities in composting samples 3 Keiji Jindo¹3\*, Kazuhiro Matsumoto², Carlos García Izquierdo¹, Tomonori Sonoki2, and Miguel A. Sanchez-Monedero1 Centro de Edafología y Biología Aplicada del Segura (CEBAS-CSIC). Department of Soil Conservation and Waste Management. Campus Universitario de Espinardo, 30100 Murcia, SPAIN. Faculty of Agriculture and Life-Sciences, Hirosaki University, 11 Bunkyo-cho, Hirosaki, Aomori 036-8561, JAPAN. Institute of Industrial Science, the University of Tokyo, 4-6-1 KOMABA MEGURO-KU, TOKYO 153-8505, JAPAN 14 15 16 17 18 19 20

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Fig. 2.

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Table 1. Chemical and physical property of hard-wood biochar (from broad-leaved tree (Quercus serrata Murray)

| СС       | Н      | N       | P   | K    | pН  | MB<br>Absorption<br>Capacity | Iodone<br>Number | Surface<br>Area |
|----------|--------|---------|-----|------|-----|------------------------------|------------------|-----------------|
| g/kg     |        |         |     |      | -   | mg/kg                        | mg/kg            | m²/g            |
| 791.5 91 | .5 18. | 9. 37.6 | 2.3 | 14.1 | 7.2 | 8.3                          | 100              | 255.0           |

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Fig. 3.