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Comment

Interactive comment on “Characterization of hydrochars produced by hydrothermal carbonization of rice husk” by D. Kalderis et al.

D. Kalderis et al.

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Dear Editor, thank you for your comments on the manuscript, we appreciate your efforts to improve the manuscript. Please find attached the reviewed manuscript, Tables and Figures. Please find below our reply to each of your comments:

The basic conclusions were added to the Abstract as follows: "The surface area was low for all hydrochars, indicating that porous structure was not developed during treatment. The hydrochar obtained at 300°C and 6 hrs residence times showed a predicted higher heating value of 17.8 MJ/kg, a fixed carbon content of 46.5% and a fixed carbon recovery of 113%, indicating a promising behaviour as a fuel. "

Page 658, line 17: "renders" -Corrected

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Page 658, line 22: "has been proved" -Corrected

Page 659, line 5: Please add a reference here -Reference was added

Page 659, line 12: Do not repeat the word "consisting" -The line was rephrased

Page 659, line 16: Please, add a reference here. -Reference was added

Page 659, line 20: "Typical from"? -Typically, raw biomass has a considerable amount of moisture, ranging from 10% (in case of green leaves, rice husk etc) to 40-50% (in case of sewage sludge). Hydrothermal carbonisation has the advantage of not requiring drying for the biomass before processing.

Page 660, line 19: Please, add coordinates. -Coordinates were added

Page 664, lines 17 and 18. Do not use twice the word "increase". Same in lines 21-22 where the word is repeated 3 times. -Both lines were rephrased

Page 665, line 4: Previous works are mentioned, but no citations are given. -Corrected

Page 665, line 4: "it increased". -Corrected

Reference list: Gajic should be moved before Gao -Corrected

Table 1: The sum of humidity, volatile matter, fixed carbon and ash content is slightly over 100 %. -Corrected

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/6/C298/2014/sed-6-C298-2014-supplement.pdf>

Interactive comment on Solid Earth Discuss., 6, 657, 2014.

SED

6, C298–C300, 2014

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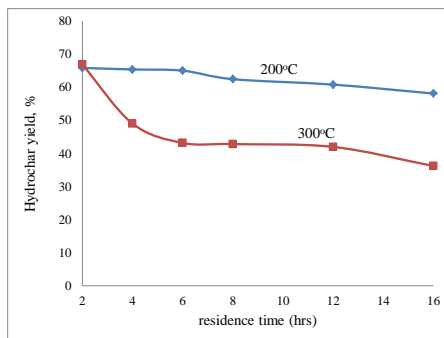


Figure 1. Hydrochar yields

Fig. 1.

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