

Interactive comment

Interactive comment on "Biochar carrying hydrocarbon decomposers promotes degradation during the early stage of bioremediation" by P. Galitskaya et al.

P. Galitskaya et al.

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Dear Dr. Guenet, thank you for your comments and for your accurate studying of the manuscript. Here are the author's responses: 1. General comment 1. We extracted DNA from each independent sample (see below). This means that for each variant of treatment (A, B, C, D and E) we had 6 independent DNA extracts. Before performing Illumina sequencing, we screened diversity of the 16S rRNA gene fragments for soils sampled on the 7th, 42th and 84th days, using PCR-DGGE method (data not presented in the manuscript). Since no significant differences between the samples were observed, we mixed DNA from the samples of each variant and sequenced them as one replicate. 2. General comment 2. We did not sterilize biochar before amend-

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that being introduced on biochar, microbes can survive better in the soil as compared with direct addition of microbial cultures to soil. 8. L212. In the work of Labud et al.,

2007 two types of soil (sandy and clayey ones) contaminated by 5109. L252-254. According to your suggestion, we will add one sentence on the L256. "Besides, increase of microbial respiration could be caused by massive death of the introduced bacteria, and decomposition of the dead biomass by soil indigenous microflora."

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