

Interactive comment on “Revegetation in abandoned quarries with landfill stabilized waste and gravels: water dynamics and plant growth – a case study” by Cheng-liang Zhang et al.

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We are grateful for the helpful comments and the manuscript will be revised accordingly.

- (a) Keyword "landfill" will be deleted and "revegetation" will be added;
- (b) The results of MPN of coliforms will be added;
- (c) P 8 Line 139, crusgalli will be changed into rus-galli;
- (d) The name of the plant (ruderal) will be added;

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(e) (f) (g) we will reorder the reference and adjust the indentation; papers not cited will be deleted in the reference list;

(h) "slit" will be changed to silt, the unit is %;

(i) We will revise the sentence and make it clearer;

(j) A map of the study area will be added;

(k) We did not measure the physical properties of LGM or compacted LGM over time, because materials with such fractions of gravels are hard to sample without disturbing the structure. However, we measured the properties of LSW after three years of settlement in another study. We will further discuss the possible dynamics of physical structure based on the properties of fine particles (LSW) and porosity in the revised paper.

(l) The authors of plant scientific names will be added.

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