

Interactive comment on “Use of column experiments to investigate the fate of organic micropollutants – a review” by Stefan Banzhaf and Klaus H. Hebig

Anonymous Referee #4

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The manuscript presented by Banzhaf and Hebig incorporates an intensive literature research and offers a detailed compilation on laboratory column experiments, including fundamental methods as well as applications/results concerning pharmaceuticals and pesticides. The manuscript is well structured and written in a good style. Hence, it is easy to read and to understand. In order to avoid duplications, I skipped remarks reviewer #1 - #3 already made and, consequently, have to add some minor comments only (see below). In my opinion, the publication of this manuscript will be of large benefit for the community.

Page 8, line 12 ... [...] can therefore induce zones with different oxygen concentrations, zones of nitrate-reduction, iron-reduction, sulfate-reduction ... a suggestion for

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reformulation: can therefore induce zones characterized by oxic conditions, nitrate-reduction, [...]

Page 8, line 13: suggestion: This transient chemical zoning

Page 8, lines 17-24: The entire section 2.5. seems misplaced ... One could overcome this issue by renaming this sections (e.g. system specific parameters?) and adequately rewriting it.

Page 18. Line s21-32: as this section (3.2.3 Other organic compounds) seems beyond the scope of the paper (dealing with micropollutants), and the value added to the manuscript is rather low, the authors should consider to remove this section

Page 19, line 11: [...] have been between → have been made between?

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., doi:10.5194/hess-2016-196, 2016.

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