

Biogeosciences Discuss., referee comment RC2  
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## Comment on bg-2021-159

G. N Nayak (Referee)

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Referee comment on "Mangrove sediment organic carbon storage and sources in relation to forest age and position along a deltaic salinity gradient" by Rey Harvey Suello et al., Biogeosciences Discuss., <https://doi.org/10.5194/bg-2021-159-RC2>, 2021

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**Journal:** Biogeosciences

Reference: <https://doi.org/10.5194/bg-2021-159>

**Title of the Paper:** Mangrove sediment organic carbon storage and sources in relation to forest age and position along a deltaic salinity gradient

### Review Comments:

- The objective of the paper was to quantify and identify first-order controls of sediment organic carbon stocks and sources along an estuarine land-to-sea gradient and between old and young mangrove forest sites in the Guayas Delta, Ecuador.
- The paper is well drafted and supported by quality data set; however I suggest checking the language of the paper to avoid grammatical errors.

- -In line 76 Kristensen, 2008 and in list in line 567 Kristensen, E., Bouillon, S., Dittmar, T., & Marchand, C. (2008);

-In line 111 Hansen et al., **2016** and in the list in line 552 Hansen, K., Butzeck, C., Eschenbach, A., Gröngröft, A., Jensen, K., & Pfeiffer, E. M. (**2017**);

-In line 111 and 113 Craft **et al.**, 2007 and in the list in line 539 Craft, C. (2007);

-In line 128 Marchand **et al.**, 2017 and in the list in line 588 Marchand, C. (2017);

-In line 398 /399 Kristensen **et al.**, 2008 and the list in line 565 Kristensen, E. (2007);

-In line 471 Nam **et al.**, 2015 and in reference list in line 599 Nam, M. V. (2015)

- The references in line 127/ 128 Nelleman et al., 2008 is cited but not listed. Please add to the References.

- Following references are listed, but, I could not find them in the text. Please cross check.

Cruz-Orozco, R. (1974).

Twilley, R. R., Chen, R. H., & Hargis, T. (1992).

- In line 236, Bouillon et al., (2003) be written as Bouillon et al. (2003).

- In line 526, '&' is missing between authors. In lines 563, 593, 630, 633, 647 'and' is used instead of '&'.

**Recommendation:** Recommended for publication after incorporating corrections suggested.