

# Review of: "Enhancing Soil Stabilization in Soft Soils Through The Addition of Sand to Soil-Cement Piles: a Comprehensive Study"

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Potential competing interests: No potential competing interests to declare.

In this paper, the focus is on researching the mixing of soil and cement materials to reinforce weak soil in Ben Tre province. Instead of just using cement for reinforcement, the article suggests adding sand and ECO-CSB or ECO-CSSB additives to the soil-cement mixture. When adding ECO-CSB additives for non-saline soils and ECO-CSSB for saline soils, the amount of cement needed is reduced by 30% while still ensuring uniaxial compressive strength compared to when using only cement.

1. The abstract is very good. It explains the purpose and conclusions of the article very well.
2. You said this in the article "*Currently, various methods are employed to stabilize and treat weak soil in construction projects, including the use of sand piles, well points, drainage mats, reinforced concrete piles, and geotextiles.*" However, it would be better if you gave examples and citations from studies in the literature about these methods.
3. In the introduction section, studies appropriate to the purpose of the study are included, and the purpose of the study is stated. However, the references given are very insufficient; additions should be made to emphasise the importance of the subject. At the end of this section, information about why the study was not carried out and the results were not obtained should be given. Also, this section is too complicated and long. It should be rewritten accordingly.
4. The information about inorganic binders and sand should be increased. Especially sharing the chemical and physical properties in the article is important for those who will do or develop this study later.
5. Materials and Methods is too complicated and long; revise, please.
6. In the results section: it would be better to visually express the results obtained. Also, comparisons of the results obtained with studies in the literature have been made.
7. Conclusions: The results section should be revised. It should be shorter, more concise, and in the form of the differences of the study, its contribution to the literature, and suggestions for future researchers.