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.

The article establishes a good description of the experimental design and execution. However, the text in the conclusions "*it's important to note that this study only considers uniaxial compressive strength, and further investigations are needed to explore other parameters such as density, friction coefficient, porosity, particle distribution, plasticity index, and hydraulic conductivity for a comprehensive understanding of the mechanical and physical properties of soil-cement mixtures*" is itself a statement that the work performed needs to be improved to make a greater contribution to the field. It is recommended that the author considers more tests to analyze all of the parameters that must be overviewed before declaring "The findings are expected to be applicable in treating weak and saline soils, such as in constructing pond dikes, preventing riverbank erosion, and rural road construction, ensuring cost-effectiveness while maintaining the durability and stability of the structures". Among others: accelerated weathering, durability, flexibility, thermal properties, ion interaction, water absorption, etc. This could lead to demonstrating the real benefit of the materials presented in this work and complement it as a “Comprehensive Study”.