

Review of: "Future Trends in Ground Improvement: A Review"

Bruno Rodrigues de Oliveira

Potential competing interests: No potential competing interests to declare.

The work presents a comprehensive review of techniques/approaches related to soil improvement. Some central points were touched upon, focusing on the interdisciplinarity necessary for related disciplines.

However, it is necessary to deepen the discussion on some central topics. For example, topic 4.3 on machine learning is just one paragraph long, and so is topic 3.1 on Nanomaterials. Mention the most recent research on these topics so that the work rests on a firm foundation of knowledge. This will certainly affect the final section containing the recommendations.

I also missed a more specific topic about artificial intelligence. Although robotics and machine learning are integral parts of this discipline, there are others such as computer vision, natural disaster prediction, and cymatic predictions, which could be added to the text to broaden the discussion.

Furthermore, it is also necessary to discuss issues related to the preservation of archaeological cultural heritage, which may exist at construction sites.

It is also necessary to deepen the discussion on issues related to regulation, specifically about the preparation of engineers to work with public bodies as collaborators on bills.