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

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The paper explores emerging trends in ground improvement that have the potential to revolutionize the construction industry. It covers various topics such as sustainable ground improvement techniques, geotechnical robotics, advanced material science, climate resilience, integration of renewable energy, and risk assessment and mitigation. The study emphasizes the importance of investigating ground improvement to address forthcoming problems and offers insight into the future of the construction industry.

The article highlights potential approaches such as ecofriendly additives for soil stabilization, use of nanomaterials and smart materials, autonomous machinery, IoT sensors, machine learning, geothermal ground improvement, and advanced geohazard mitigation. These trends aim to improve the efficiency, resilience, and sustainability of the construction sector.

Additionally, the paper discusses the significance of interdisciplinary education, workforce development, and international collaboration in advancing ground improvement approaches. It also suggests recommendations for strengthening engineering programs and incorporating current trends in infrastructure development.

Overall, the article provides a comprehensive review of emerging trends in ground improvement and offers insight into the future of the construction industry. By examining technological advances, environmental considerations, and the need for sustainability, the study presents a roadmap for a more efficient, resilient, and sustainable construction sector.