

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

Tarak Veerendra¹

¹ Gudlavalleru Engineering College

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The research article provides a comprehensive exploration of the evolving trends in ground improvement within the construction industry, highlighting advancements in sustainable techniques, material science, geotechnical robotics, and climate resilience. It offers readers valuable insights into the potential for transformative change in construction practices, emphasizing the importance of adapting to technological innovations and environmental considerations. By showcasing real-world examples and interdisciplinary collaborations, such as the Julius Berger's Abuja Kaduna road project and the Thames Tideway Tunnel Project, the research underscores the practical applications and benefits of embracing emerging trends in ground improvement. However, the article could benefit from a more critical analysis of the challenges and limitations associated with these trends, as well as a deeper exploration of their environmental impact and implementation feasibility.

Despite its strengths in providing a comprehensive overview of future trends in ground improvement, the research could enhance its relevance by delving into the practical barriers to adoption and the specific environmental implications of new techniques and materials. By addressing these aspects in greater detail and offering more nuanced case studies, the article could provide readers with a more balanced understanding of the opportunities and challenges facing the construction industry. Overall, while the research offers valuable insights into the potential for innovation and sustainability in ground improvement practices, a more critical examination of implementation challenges and environmental considerations would further enrich its contribution to the field.