

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

Seda Ertan<sup>1</sup>

<sup>1</sup> Istanbul Technical University

**Potential competing interests:** No potential competing interests to declare.

General comment: there are lots of sub-titles as shown below. These sub-titles can be decreased. Climate Resilience and Integration of Renewable Energy, Sustainable Earthworks, Risk Assessment and Mitigation, Education, Workforce Development, and International Collaboration sub-titles should be evaluated either under sub-title or can be removed totally. The other sections should be detailed.

## **Sustainable Ground Improvement Techniques**

Eco-Friendly Additives

Sustainability Assessment

## **Advanced Material Science**

Nanomaterials

Smart Materials

## **Geotechnical Robotics, Advanced Monitoring and Data Analytics**

Autonomous Machinery

IoT Sensors

Machine Learning

## **Climate Resilience and Integration of Renewable Energy**

Climate-Adaptive Ground Improvement

Geothermal Ground Improvement

## **Sustainable Earthworks, Risk Assessment and Mitigation**

Green Infrastructure

Advanced Geohazard Mitigation

## Education, Workforce Development, and International Collaboration

Interdisciplinary Training

Knowledge Sharing

### **The other special comment:**

Section 2.1: Julius Berger's Abuja Kaduna road project is a very specific example. This example should be global.

Section 2.2: This section is a very general explanation, and its relationship with ground improvement should be mentioned.

Section 3.2: Give an example of smart material.

Section 6.1: Green infrastructure should affect indirectly. This section should be removed.