

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

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The manuscript **"Future Trends in Ground Improvement: A Review"** introduces an extended inspection **analysis, which** explores various aspects of construction practices that have been influenced by technological advancements, environmental considerations, and the need for sustainability methods. According to the author, these areas of focus include sustainable techniques, use of advanced materials, application of geotechnical robotics, data analytics, strategies for climate resilience, integration of renewable energy, risk mitigation, sustainable earthworks, interdisciplinary education, and international collaboration (i.e., the ground improvement trends that present great importance for the future of geotechnical engineering).

The section on Geotechnical Robotics, Advanced Monitoring and Data Analytics, and IoT Sensors, in my opinion, is of particular interest, while the author tried with success to submit an original paper that is consistent with the direction of the journal.

The conclusions are correctly structured, and the author, among other conclusions, emphasizes that "The future of ground improvement is anticipated to be driven by the integration of autonomous equipment, Internet of Things (IoT) sensors, and machine learning techniques in the fields of Geotechnical Robotics, Advanced Monitoring, and Data Analytics".

Indeed, the subject investigated is very interesting, and the results concern both professionals and researchers. Having said that, the manuscript in question is strongly proposed for publication, since the matters it examines are very interesting and, moreover, innovative investigation of these matters has been followed and useful conclusions have been drawn.