1. Record Nr. UNINA9911009338903321 Autore Koda Eugeniusz Titolo Environmental Geotechnics and Pollution Control: Proceedings of EGRWSE 2024, Volume 1 / / edited by Eugeniusz Koda, Magdalena Daria Vaverková, Krishna R. Reddy, Arvind Kumar Agnihotri Singapore:,: Springer Nature Singapore:,: Imprint: Springer., 2025 Pubbl/distr/stampa **ISBN** 981-9618-73-8 Edizione [1st ed. 2025.] Descrizione fisica 1 online resource (496 pages) Collana Lecture Notes in Civil Engineering, , 2366-2565; ; 580 Altri autori (Persone) VaverkováMagdalena Daria ReddyKrishna R AgnihotriArvind Kumar Disciplina 624.15 Soggetti Engineering geology Environmental engineering Civil engineering Earth sciences Geography Biotechnology Bioremediation Geoengineering **Environmental Civil Engineering** Earth and Environmental Sciences Environmental Engineering/Biotechnology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Chapter 1. Investigation of CO2 emission concerning levee reinforcement technologies -- Chapter 2. Optimization of medium for S.pasteurii bacterium and performance comparison with plant urease for geotechnical applications -- Chapter 3. A Brief Look at Perlite-Geopolymer Soils -- Chapter 4. Engineering behavior Assessment of Weak Soil Stabilized Using Amalgamated Geopolymer with Industrial Waste- An Experimental Study.-Chapter 5. Spatial Variability of

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Methane Oxidation in Landfill Soil Cover: Large-Scale Tank Experiment

## Sommario/riassunto

This volume contains peer-reviewed and selected papers presented during the International Conference on Environmental Geotechnology, Recycled Waste Materials, and Sustainable Engineering 2024, held in Warsaw, Poland. It covers the recent innovations, trends, concerns, practical challenges encountered, and the solutions adopted in waste management and engineering, geotechnical and geoenvironmental engineering, infrastructure engineering, and sustainable engineering. This book will be useful for academics, educators, policymakers, and professionals working in the field of civil engineering, chemical engineering, environmental sciences, and public policy.