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Disciplina	620.1
Soggetti	Building materials Engineering geology Surfaces (Technology) Thin films Soft condensed matter Materials Catalysis Force and energy Structural Materials Geoengineering Surfaces, Interfaces and Thin Film Soft and Granular Matter Materials for Energy and Catalysis
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	The history of the use of geosynthetic materials in Romania, reected in technical publications -- Eect of Geotextile Reinforcement on Corrugated Steel Culvert Behavior During Construction -- Assessment of the long term behavior of geotextiles used for the reinforcement and stabilization of high slopes along the Danube-Black Sea Canal -- Quantitative Assessment of Soil Erosion on Slopes Protected by Geomats Under Rainfall Simulation Tests -- First Geofoam Roadway Embankment Application in Romania: A Case Study -- Thermal Eect of Embankment Outer Layers on the Ethylene Copolymer Bitumen

Geomembrane of the Ajdabiya Reservoir -- EPDM geomembrane design for anaerobic fermentation tanks, a large deformation approach -- Innovative Dewatering Solutions for Environmental Dredging: Case Study of O Burgo Estuary, Spain -- Assessing Seismic Impact on Reinforced Earth Retaining Walls Using the MCR Calculation Method -- Slope stabilisation by geosynthetics reinforced soil retaining walls. Numerical validation of proposed using analytical methods -- Improving the characteristics of the foundation soil and controlling the differential settlement of high embankments by using Cellular Foundation Mattresses made of geosynthetic materials -- Laboratory experiments of sandy slopes reinforced by synthetic bers under seepage conditions -- Lateral swelling failure of unreinforced crushed stone columns and reduction of this phenomenon by geogrid reinforcement. Numerical analysis performed with the FEM -- The use of Geosynthetic Materails for Irrigation Canals: Applications and Benefits for Water Loss Reduction -- Full-Scale Tracking Tests Of Pavements Stabilized With Multi-Shape Coextruded Geogrids -- Evaluation of Cyclic CBR Test for Soils Reinforced with Geosynthetics.

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#### Sommario/riassunto

This book covers the recent activity of the Romanian Geosynthetics Association which organised three editions of the national symposium GeoSint, in 1998, 2002, and 2007. Continuing in the tradition of previous symposiums, the tradition of this conference is being resumed, this time in a format specific to current times. The Romanian Geosynthetics Association was founded in 1990, the fourth edition of the Romanian Conference on Geosynthetics marking 35 years since its foundation. It was certainly an event with an international opening with 180 participants from 18 countries. The conference was organized in two days (3–4 April 2025) in which published works and six keynote lectures were presented. The scientific committee of the symposium was an international one, made up of specialists in the field.

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