



Technical Advances in Geosynthetics

Guest Editors:

Dr. Anna Markiewicz

Institute of Civil Engineering,
Warsaw University of Life
Sciences—SGGW,
Nowoursynowska 159 St, 02-776
Warsaw, Poland

Prof. Dr. Eugeniusz Koda

Institute of Civil Engineering,
Warsaw University of Life
Sciences—SGGW,
Nowoursynowska 159 St, 02-776
Warsaw, Poland

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Message from the Guest Editors

Geosynthetics are currently one of the fastest-growing groups of engineering materials. Their functions include reinforcement, stiffening, filtration, separation, drainage, protection, and forming a barrier. The properties of geosynthetics make them suitable for a wide range of applications including retaining structures, embankments, dams, erosion control, sediment control, landfill liners, agriculture, and aquaculture. It is important to note that new products still appear on the geosynthetics market. These products are manufactured using modern production techniques. This requires the development of new and more advanced design methods and selection criteria for geosynthetics. The design of engineering structures using geosynthetics is increasingly based on numerical modeling techniques. Laboratory testing methods for geosynthetics are also being developed, allowing them to be used even more effectively in civil and environmental engineering. This Special Issue is dedicated to the latest research on these topics, covering all aspects of developments in the manufacture, selection, application, design, and testing of geosynthetics.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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