

## Special Issue

# New Frontiers in Sustainable Geotechnics

### Message from the Guest Editors

Currently, Geotechnical engineers' work is focused on three wide areas: sustainable ground improvement, sustainable foundation engineering and sustainable geotechnical design.

Please share with other researchers your experiences in the fields of (1) the use of alternate, environmentally friendly materials in geotechnical constructions like embankments, slopes, dams, and reuse of waste materials like rubber waste, fly ash, natural or artificial fibers for soils improvement and stabilisation, (2) innovative and energy efficient ground improvement techniques, (3) bio-slope engineering, (4) efficient use of geosynthetics, (5) retrofitting and reuse of foundations, and foundations for energy extraction (e.g. termopile), (6) use of underground space for storage of energy, (7) mining of shallow and deep geothermal energy, (8) making geo-structures reliable and resilient in the case of natural or man-made hazards, (9) design and modeling on the basis of geotechnical parameters derived, (10) experiences with solving geotechnical challenges in marine engineering (such as predicting seabed liquefaction, designing marine foundations and anchors).

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### Guest Editors

Prof. Dr. Małgorzata Jastrzębska

Dr. Krystyna Kazimierowicz-Frankowska

Dr. Gabriele Chiaro

Dr. Jarosław Rybak

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### Deadline for manuscript submissions

closed (30 April 2022)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

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

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