

4th African Regional Conference on Geosynthetics
Geosynthetics in Sustainable Infrastructures and Mega Projects



GeoAfrica 2023

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EDITED BY

Omar M. Amer, Ph.D.
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Preface

This open-access proceedings volume includes keynote papers, technical papers, and extended abstracts from Technical Committee workshops submitted for the 4th African Regional Conference on Geosynthetics, GeoAfrica 2023, held in Cairo, Egypt on February 20–23, 2023. The conference is hosted by the Egyptian Chapter of the International Geosynthetics Society (EgIGS) under the auspices of the International Geosynthetics Society (IGS). The IGS and its 40+ chapters organize and support numerous conferences around the world, including quadrennial African regional conferences. This 4th iteration of the conference was delayed due to the COVID-19 pandemic.

The 4th African Regional Conference on Geosynthetics is centered around the theme of “Geosynthetics in Sustainable Infrastructure and Mega Projects,” to reflect the scale of works—particularly in the Middle East and North Africa—impacting global infrastructure. All articles were peer-reviewed by the Scientific Committee with reviewers from Brazil, Canada, Egypt, Ghana, India, Iran, Japan, South Africa, Tunisia, UK and USA. The Call for Papers was internationally broadcasted with the assistance of IGS. Authors of the accepted keynote and full-length technical papers represent Canada, Egypt, France, Germany, Hungary, India, Italy, Japan, Korea, Morocco, South Africa, Spain, Tunisia, UAE and USA. The majority of the accepted papers were represented by the African continent with a contribution of (39%), followed by Europe (27%), North America (17%) and Asia (17%). Papers were categorized under the following technical themes: Keynote Papers, Geosynthetic Barriers, Hydraulics, Reinforcement, and stabilization.

All accepted papers are subject to an open-access privilege, Digital Object Identifier (DOI) and CrossRef[®] indexation. Selected papers are subject to additional indexing in Scopus, Thompson Reuters, ProQuest, DOAJ, EBSCO and CAS.

Editors-in-Chief

Omar M. Amer, Ph.D.

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Tribute is also paid to late Hussein Elmamlouk, Ph.D. who significantly contributed to the scientific committee and passed away weeks prior to the conference.

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