

Preface

This edition contains selected papers presented at the 15th International Conference on **“Sustainable Green Construction and Nano-Technology” (NTC-2024)**, which focused on **advanced fire safety, HVAC-R and built environment**. The conference was successfully held on March 02-03, 2024, in Cairo, Egypt, and was organized by the Egyptian Russian University (ERU) jointly with the Housing and Building National Research Center (HBRC) and Kalashnikov Izhevsk State Technical University (ISTU).

NTC 2024 was called to discuss and highlight the application of recent research results in the field of green sustainable construction and nano-technology applications and provide an opportunity for scientists and industry experts to exchange ideas and experiences.

The conference hosted representatives from different countries, including Egypt, Russia, Saudi Arabia, and Oman.

We express our deepest gratitude to all members of the scientific committee, invited speakers, sponsors, participants, and the entire NTC2024 organizing committee.

We also would like to acknowledge the technical contribution of Trans Tech Publications to bringing this publication to life.

With kind regards:

Prof. Sayed Shebl, Chairman

Prof. Magdy Helal, Chairman

Ass. Prof. Hamada Shoukry, Editor