

## Preface

This edition compilation of the selected papers presented at the 16th International Conference on Sustainable Construction and Nano-Technology NTC 2025 focused on advanced fire safety, HVAC-R and built environment which was held in Sharm El Sheikh, Egypt from 11-14 April 2025 and was organized by the Housing and Building National Research Center (HBRC) jointly with the Egyptian Russian University (ERU) and Kalashnikov Izhevsk State technical university (ISTU).

NTC 2025 was organized to stimulate international collaborative research in Sustainable Construction, Fire Safety, HVAC-R, and Nanotechnology applications in building. It also aims to discuss the application of recent related research results in the field of sustainable construction and provide an opportunity for scientists and practicing engineers from different countries and disciplines to exchange ideas and experience.

We express our deepest gratitude to all scientific committee members, invited speakers, sponsors, participants, and the NTC 2025 organizing committee.

We also would like to acknowledge the technical contribution of all staff from Trans Tech Publications.

**With kind regards:**

Prof. Sayed Shebl, Chairman

Ass. Prof. Hamada Shoukry, Editor

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