

Preface

The 4th International Conference on Engineering and Computing Technologies (ICECT IV) 2023 was successfully held at Permai Hotel, Kuala Terengganu, Malaysia, from 20th to 23rd October 2023. Hosted by Universiti Teknologi MARA Cawangan Terengganu, ICECT IV continued its tradition, established in 2018, as a platform for researchers, academicians, industry experts, and students to engage in meaningful discussions on engineering challenges and emerging technologies.

We are pleased to present this Special Issue of the PERTANIKA Journal, which features selected papers from ICECT IV. This collection highlights a multidisciplinary approach to sustainability in engineering and computing technologies, integrating mathematical and computational methods with sustainable materials and manufacturing innovations.

The ten articles in this edition showcase diverse research contributions across several key domains, including artificial intelligence and machine learning, medical and biological sciences, environmental engineering, traffic and transportation, materials science, and operations research. Each study provides valuable insights into contemporary challenges and advances in these fields, reflecting the conference's commitment to fostering innovation and interdisciplinary collaboration.

As editors, we believe this compilation will significantly contribute to the body of knowledge in engineering and computing sciences. We sincerely thank the authors for sharing their expertise and perspectives, as well as to the reviewers and editorial team for their dedication to ensuring the quality and relevance of the published works.

We hope this Special Issue will be a valuable resource for researchers and practitioners, inspiring further exploration and advancements in the field.

Warm regards.

Guest Editors

Mohd Sobri Takriff (Prof. Ir. Dr.)

Mazidah Puteh (Prof. Ts. Dr.)

Norulhidayah Isa (Dr.)