

Preface

The International Conference on Sciences, Nano, and Healthcare Technology (ICOSNHT-2024), held under the auspices of the Faculty of Medicine and Health in collaboration with the Research Centre for Fundamental Sciences, Advanced Materials and Nanotechnology, and Internet of Things–Defense Technology (IoTTP) at the Institut Teknologi Sepuluh Nopember (ITS) brought together researchers, academics, professionals, and industry practitioners to share their latest innovations and research findings in the fields of fundamental sciences, nanotechnology, biomedical applications, and digital technologies for healthcare.

The papers reflect the diversity and interdisciplinarity of the topics discussed, ranging from the synthesis of novel nanomaterials and biomaterials to the integration of smart technologies and artificial intelligence in health monitoring and diagnostics. We believe these contributions will inspire further research and collaboration across disciplines in pursuit of sustainable and innovative healthcare solutions.

On behalf of the organizing committee, we extend our deepest gratitude to all authors, reviewers, and participants who have contributed to the success of ICOSNHT-2024.

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We extend our sincere appreciation to ITS for its continued commitment to advancing global research collaboration and fostering scientific innovation through international academic events.