

## FOREWORD

Dear esteemed colleagues and honored readers,

It is with great enthusiasm that we present to you the first Special Issue of *Inżynieria Mineralna*, dedicated to the Conference on Earth Sciences (CESD) 2024, hosted on November 11<sup>th</sup>, 2024, at the University of Science, VNU-HCM, in Ho Chi Minh City, Vietnam.

The CESD 2024, an integral part of the 14<sup>th</sup> Scientific Conference at VNUHCM-US (VNUHCM-US-Conf 2024), has successfully gathered leading experts and practitioners in Earth Sciences and Sustainable Development. This special edition aims to encapsulate the profound insights, groundbreaking research, and innovative solutions discussed during the conference, fostering a deeper understanding of sustainable practices in Earth Sciences.

CESD 2024 serves as a dynamic forum for interdisciplinary dialogue, where the latest advancements, trends, and challenges in Earth Sciences are thoroughly explored. This conference also provides an invaluable platform for young researchers to present their findings, engage in international discourse, and foster collaborations that extend beyond geographical boundaries.

Amidst the global challenges of climate change, resource depletion, and environmental degradation, the significance of Earth Sciences cannot be overstated. The research and solutions presented at CESD 2024 emphasize the need for sustainable practices that balance economic growth, social well-being, and environmental stewardship.

The conference comprises five thematic sessions:

1. Petroleum and Green Energy
- 2a. Geophysics
- 2b. Geology and Earth Resources
3. Oceanography, Hydrology and Climate Change
4. Environment – Health Sciences and Climate Change
5. Social Environment Sciences and Land Economic

We are honored to welcome participants from over 20 universities, 5 research institutes, and centers in Vietnam, along with esteemed scientists from Poland, South Korea, Japan, Taiwan, Malaysia, Bangladesh, and Laos. This issue features 69 articles selected from over 140 presentations through rigorous evaluations, showcasing the diverse and rich contributions to our field.

Our deepest gratitude goes out to all contributors for their unwavering support and participation. We also express our sincere appreciation to VNU-HCM, the University of Science, and our sponsors for their vital support in making this conference a success.

We hope to continue our collaboration with *Inżynieria Mineralna* to host CESD biennially and sustain this Special Issue series. This enduring partnership will ensure the continuous exchange of innovative research and solutions, strengthening the global Earth Sciences community.

We extend our best wishes for health, happiness, and peace to all our readers.

On behalf of the Editorial Team,



**Assoc. Prof. Pham Trung Hieu**

*Deputy Head, CESD 2024 Organizing Committee*

Conference on Earth Sciences and Sustainable Development (CESD) 2024, The 14<sup>th</sup> Scientific Conference at the University of Science, VNUHCM (VNUHCM-US-Conf 2024).

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