

PREFACE

It is our great pleasure to present the proceedings of the 10th International Conference on Climate Change (ICCC) 2024. Held under the theme “Climate Change, Plant, and Health”, this conference aims to explore the interconnected impacts of climate change on ecosystems, natural resources, and human health. By bringing together researchers, practitioners, and policymakers, the conference seeks to foster interdisciplinary discussions and collaborations toward innovative solutions for climate adaptation and mitigation.

The theme, “Climate Change, Plant, and Health”, reflects the urgency to address how climate change influences ecological balance and public health. From the depletion of critical resources such as air, water, soil, and vegetation to the implications for human wellbeing, this theme underscores the interconnectedness of environmental sustainability and human survival. The scope of the conference spans a wide range of critical issues, including:

1. The impact of resource depletion or enhancement on air, water, soil, and vegetation.
2. Strategies for environmental disaster reduction research.
3. Climate models and uneven precipitation distribution.
4. Pollution and contamination of land surfaces and the atmosphere.
5. Carbon footprint, greenhouse gas emissions, and research on recycling and renewable energy.
6. Direct and indirect risks to human wellbeing.
7. The implications of climate adaptation and mitigation research.
8. Infrastructure risks and planning in climate adaptation.
9. Marine ecosystems affected by climate change.
10. The impact of climate change on health and strategies for adaptation and mitigation.

The 10th ICCC 2024 received a total of 148 abstract submissions, of which 128 full papers were submitted for review. Following a rigorous peer-review process, 87 high-quality papers were accepted for publication in this proceeding, while 41 papers did not meet the conference's standards. We are confident that these selected papers represent valuable contributions to advancing our understanding of the multifaceted challenges posed by climate change.

We extend our heartfelt gratitude to all authors for their valuable contributions and to the reviewers for their meticulous efforts in maintaining the quality of the papers. Our sincere appreciation also goes to the technical committee and organizing team, whose hard work and dedication have been instrumental in the success of this event and the resulting publication.

We hope that these proceedings will serve as a significant reference for researchers, educators, policymakers, and practitioners, inspiring further innovation and collaboration to address the pressing global challenge of climate change.

Committee of the 10th ICCC 2024