



Asia for **Earth**2022

ASIA FOR EARTH-2022

“ 8th GoGreen Summit ”

“ 3rd International Conference on Climate Change ”

“ 2nd International Conference on Education, Management and Social Science “

01st - 03rd June, 2022
Bali, Indonesia

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Preface

This book reports the Proceedings of the “**Asia for Earth**” held on 1st to 3rd June 2022, Bali, Indonesia (Hybrid Event) organized by **International Society of Environmental Relationship and Sustainability (ISERS)** in association with 10+ universities from Asia.

Asia for Earth Includes include international conference series,

Day 1: 8th GoGreen Summit with the theme **GoGreen: Shape the Future Green Planet.**

Day 2: 3rd International Conference on Climate Change with the theme **Advancing Mitigation and Adaptation Actions for Climate Change.**

Day 3: 2nd International Conference on Education, Management and Social Science (ICEDUMAS) with the theme **Social Atmosphere and Their Use in the Understanding of Environmental Concerns.**

The publishing department has received more than 350 abstracts. After an initial review of the submitted abstracts, 229 papers were presented at the conference and were accepted for publication in the Conference Proceedings. The topics that are covered in the conference include Environmental Pollution, Ecology, Sustainable development, Agriculture, Waste Management Climate Change Adaptation and Mitigation, Global Warming, Environmental Toxicology, Biodiversity, Advanced Biofuels, Renewal Energy Impact on Climate Change, Green Energy, Global Environmental Health, Education, Management and Social Sciences etc. We would like to thank all the participants for their contributions to the conference and the proceedings.

Reviewing papers of the **Asia for Earth** was a challenging process that relies on the good will of those people involved in the field. We invited more than 15 researchers from related fields to review papers for the presentation and the publication in the Asia for Earth Proceeding. We would like to thank all the reviewers for their time and effort in reviewing the documents.

Finally, we would like to thank all the proceeding team members who with much dedication have given their constant support and priceless time to bring out the proceedings in a grand and successful manner. I am sure **Asia for Earth** will be a credit to a large group of people, and each one of us should be proud of its successful outcome.

Asia for Earth-2022

Message from BioLEAGUES Director's Desk...



A. Siddh Kumar Chhajjer

Director, BioLEAGUES Worldwide

On behalf of **BioLEAGUES Worldwide**, I am delighted to welcome all the delegates and participants around the globe to the **"Asia for Earth"** which is going to be held on **1st to 3rd June 2022**

This conference includes International Conference series **8th GoGreen Summit, 3rd International Conference on Climate Change, 2nd International Conference on Education Management and Social Science.**

It will be a great pleasure to join with Doctorates, Research Scholars, Industrialist and Academicians all around the globe. You are invited to be stimulated and enriched by the latest innovations in all the aspects of Environmental Science while delving into presentations surrounding transformative advances provided by a variety of disciplines.

I congratulate the Chairperson, Organizing Secretary, Committee Members, coordinator BioLEAGUES and all the people involved for their efforts in organizing the Asia for Earth and successfully conducting the International Conference and wish all the delegates and participants a very pleasant conference.

A. Siddh Kumar Chhajjer
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Message from BioLEAGUES CEO's Desk...



Mr. Rudra Bhanu Satpathy
CEO, BioLEAGUES Worldwide

It is indeed a privilege to acknowledge and thank all the supporters and organizers of the **"Asia for Earth"**, who contributed greatly to organize the conference successfully.

I would like to acknowledge and thank the Chief Guest for his/her valuable contribution in the **Asia for Earth**.

My special thanks to all our Special Guests who so graciously accepted our invitation to participate in the conference. I also wish to acknowledge and thank the sponsors of the conference whose financial support was extremely grateful.

I would like to specially thank our Advisory Committee Members from various Organization whose continuous support have helped us plan and execute the conference successfully.

I am highly indebted to the contribution given by all the Scientists, Industrialist, Doctorates, Research Scholars, Academicians, and students to the conference.


Mr. Rudra Bhanu Satpathy



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Wash Fit Assessment Model (Water, Sanitation, and Hygiene for Health Facility Improvement Tool) During the Covid-19 Pandemic in Health Services



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Abstract:

Background: Poor sanitation reduces human well-being, social and economic development due to impacts such as anxiety, risk of sexual violence, and loss of educational opportunities. One of the SDGs targets is universal access to safe and affordable drinking water.

Study Design: The study used an ecological study design with a follow-up plan for improvement.

Methods: The study was carried out on five health services with models and simulations to identify health service sanitation (hygiene and PPE, water, sanitation and solid waste, buildings and resources) for future health problems.

Results: The results showed that there were no health services that met the WASH FIT targets from the four indicators, but there were already several health services that met the targets for several WASH FIT indicators.

Conclusion: It is hoped that the government will improve the treatment of B3 waste extensively and provide subsidies for incinerators to treat B3 waste.

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Keywords:

WASH FIT, Waste, Hygiene, Sanitation, Water

Biography:

Devi Angeliana Kusumaningtiar SKM, MPH, a permanent lecturer at the Public Health Study Program at Esa Unggul University and serves as Chair of the Study Center of the Faculty of Health Sciences at Esa Unggul University. Actively carry out research and community service related to Environmental Health specifically in the field of sanitation and hygiene and waste management. Passed several research and community service grants organized by Kemendikbud-Dikti.



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3rd INTERNATIONAL CONFERENCE ON
CLIMATE CHANGE