

## Editorial

**Tanimoto, Jun**

Interdisciplinary Graduate School of Engineering Sciences, Kyushu University : Professor

**Kyaw, Thu**

Department of Advanced Environmental Science and Engineering, Faculty of Engineering Sciences, Kyushu University : Associate Professor

**Kusrini, Eny**

Department of Chemistry Engineering, Faculty of Engineering, Universitas Indonesia : Ph.D.

**Nasruddin**

Department of Mechanical Engineering, Faculty of Engineering, Universitas Indonesia : Professor

他

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## Editorial

Every year, around this time, Scopus and Scimago release the scholarly rankings of journals. *EVERGREEN* - Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy is pleased to announce the CiteScore 2019 of 1.1, a new record high value for *EVERGREEN*. Meanwhile, the prorated CiteScoreTracker 2020, updated monthly, is already 1.0. The SJR value reads at 0.229, an improvement from the last year score of 0.219. Such milestones reflect the immense effort of the new management team, merely over a year. Despite the massive disruption from Covid-19 pandemic, *EVERGREEN* is glad to publish Volume 7, Issue 02 with a record number of articles.

This edition is assorted with five original articles and selected papers from the 4<sup>th</sup> International Tropical Renewable Energy Conference (i-TREC) 2019. The first paper reports a field survey of traditional nomadic dwellings in Ulaanbaatar, Mongolia. The second original article reads the dynamic modelling of a CO<sub>2</sub> heat pump system. We also have articles on three-dimensional visualization and topographical analysis of Hybrid MMC by CNC Lathe SPRINT made of BATLIBOI and the finite element analysis of a four-bar linkage mechanism of a prosthetic knee joint. A Green Asia Thesis investigates the applicability estimation of Bioleaching into copper mining industries in developed and developing countries. The second part of this publication includes interesting articles from i-TREC2019 (Please see a separate Editorial from the Guest Editors of i-TREC2019). The published articles from *EVERGREEN* touch a wide variety of science and engineering disciplines. Such diversity is the original vision of *EVERGREEN*.

*EVERGREEN* highly appreciates the contributions of all authors, reviewers, editors (regional and guest), the editorial board and the management team. We welcome and acknowledge the contributions of Special Issues such as ICEMECE, IMAT, QiR and i-TREC. *EVERGREEN* secretary, Ms Mieko INOUE, inserted colossal effort, and we strongly recognize her diligence and contribution. We believe our readers will enjoy this publication.

The world is still in the time of the pandemic, and we are not out of the woods yet. Social distancing and handwashing (20 seconds) are proven steps to contain the virus spread. The aftermath of COVID-19 lasts in various areas. Some of the major journals have stumbled to handle with publication process, which have brought some time-delay. Fortunately

all businesses in the editorial house of EVERGREEN have safely worked. *EVERGREEN* wishes all of you safe and sound.

Jun Tanimoto (Editor-in-Chief)

Kyaw Thu (Executive Editor)

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Jun Tanimoto, Dr. Eng

Professor

Interdisciplinary Graduate School of Engineering Sciences,

Kyushu University

6-1 Kasuga-koen, Kasuga-shi, Fukuoka 816-8580, Japan

Kyaw Thu, Ph.D.

Associate Professor

Department of Advanced Environmental Science and Engineering,

Faculty of Engineering Sciences, Kyushu University

Kasuga-koen 6-1, Kasuga-shi, Fukuoka 816-8580, Japan

## Editorial from the Guest Editors of i-TREC2019

The 4<sup>th</sup> International Tropical Renewable Energy Conference (i-TREC) 2019 was held on August 14 – 16, 2019, at the Anvaya Beach Resorts – Bali, Indonesia. The 4<sup>th</sup> i-TREC 2019 was proudly organized by the Tropical Renewable Energy Center, Faculty of Engineering, Universitas Indonesia. The central theme of this conference is “Sustainable Energy and Environment for Tropical Climate.” The 4<sup>th</sup> i-TREC 2019 covered six symposia, namely Smart Grid and Regulation, Bioenergy, Fuel Cell Technology, Energy Storage, Multifunctional and Advanced Materials, and Eco Tropical Built Environment. From 307 papers, we selected 16 papers for publication in Evergreen. The 16 selected papers which come from various countries, such as France, Brunei Darussalam and Indonesia.

Some authors present their work regarding biological, chemical and mechanical engineering processes to improve the quality of the materials and their applications, such as screening the antioxidant capacity of plant leaves using radical scavenging activity assay and red fluorescence microscopy for application in the medical field; heat pipe utilizing low-temperature geothermal energy and synthetic Zeolite-A for tea leaves withering process, biolubricants and also biogas production. The other papers also reported about the nanoparticles and nanocomposites for application in industrial; application of stern foil on full draft patrol vessel; photocatalytic activity; and micro-sized rare earth metals and their composites. These micro-sized rare earth metal and their composites can be used as adsorbent engineering.

The authors in the research area of eco tropical environment present their works regarding the efficiency and environment cost measurement, such as development system on integrated regional building permit policy; determining the prioritized victim of earthquake disaster using fuzzy logic and decision tree; and Land Value Capture. Meanwhile, one article discusses the implementation of machine learning for the energy management system. Some other authors attempt to use energy effectively, like the boiling phenomenon of graphene nano-coating wick heat pipes.

The guest editors in this special edition would like to express the utmost appreciation to the reviewers who have made the most valuable contribution by reviewing, commenting and advising manuscripts. Special gratitudes go to the Green Asia Education Center of the Kyushu University as the publisher of the Evergreen journal for their cooperation and excellent support. For Evergreen Editors-in-chief, we would like to thank you and express the utmost gratitude for the patience, understanding and fruitful collaboration in this special edition. Additionally, we would also like to extend our appreciation to the strong support of the reviewers, authors, the editorial team and the management team for the successful publication of this issue.

We hope this special edition of Evergreen provides useful research findings and insight that lead you to new knowledge.

Guest Editors

Eny Kusrini Ph.D.

Dept. of Chemistry Engineering, Faculty of Engineering,  
Universitas Indonesia, Kampus Baru UI-Depok 16424  
Indonesia

Prof. Nasruddin

Dept. of Mechanical Engineering, Faculty of Engineering,  
Universitas Indonesia, Kampus Baru UI-Depok 16424  
Indonesia

I Gde Dharma Nugraha, Ph.D.

Dept. of Electrical Engineering, Faculty of Engineering,  
Universitas Indonesia, Kampus Baru UI-Depok 16424  
Indonesia