

Editorial

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Editorial

This is the reporting period. Around this time of a year, Scopus releases the CiteScores of journals for the last year. Two things have been officially confirmed: (1) the CiteScore of *EVERGREEN* is 1.9 for the Year 2020 and (2) the Scopus coverage years for *EVERGREEN* is “from 2014 to Present”¹⁾. Figure 1 shows the historical CiteScore and the Percentile of the journal. All indicators display upward trends with a hiccup in 2018¹⁾. These data suggest *EVERGREEN* has a strong reputation in “Environmental Science” and “Material Science”. The snapshots shown in Fig 2 further confirm that *EVERGREEN* enjoys an excellent growth except for the “International Collaboration”²⁾.

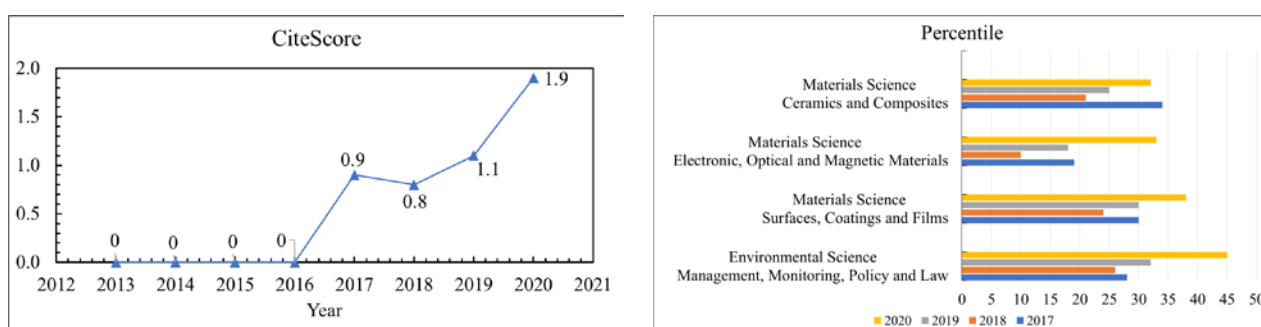


Fig. 1: The historical CiteScore and Percentile of *EVERGREEN*



Fig. 2: The Snapshot of the historical performance of *EVERGREEN*

With the publication of “Journal des sçavans” and the “Philosophical Transactions of the Royal Society”, academic publishing has passed through several civilisations and impactful authors from Isaac Newton, Charles Darwin, James Clerk Maxwell, Albert Einstein, Stephen Hawking and to name a few^{3,4)}. It has navigated through many phases (concept) such as peer review, electronic publication and lately, “Open access”. *EVERGREEN* embraces the open access concept while standing out that it has no APC, unlike many others in the publication business ecosystem. Since inception, strong scholarly ethics and sustainable green environment have been the foci of *EVERGREEN* while the management committee and the editorial board never treat *EVERGREEN* as the vehicle for personal glory, career advancement or business opportunity. And it will be the case for many more years to come.

EVERGREEN does publish many special issues from the selected papers of conferences and may publish subject-oriented special issues in the future. However, it does not adopt systems (something like the top-down or pyramid scheme) where the so-called the special issue guest editors keep spamming the emails of colleagues (sometimes strangers) for submissions, a tragic trend happening these days in the scholarly publication. Academic ethics, good fundamental research, decent funding, and sound education system are the pillars of the intellectual development, while publication ecosystem and the personal or organisational KPIs sometimes exploit those principles. It is always good to be prudent to watch out for such fraudulent schemes and predatory intellectuals.

Meanwhile, we witnessed a remarkable achievement in the medical research in Alzheimer's disease with the approval of Aducanumab by the U.S. Food and Drug Administration (FDA) ⁵⁾. It was a new treatment after passing through a dormant period of approval (nearly 20 years) which certainly is very encouraging since the population of the world is aging fast⁶⁾. Taking care of one's aging population would translate to taking care of oneself while advancements in science and technology keep proving that it is the way forward and for sustainable future.

Covid-19 is the talking point lately. Never before in our history have we experienced so many harmful things—human and economic loss besides myriad tragedies, deep anger and distrust—at the same time, except during periods of global warfare. Covid-19 is a tragedy and heartbreaking with many people losing their love ones. And it keeps exposing the flaws in the modern society such as social structure, healthcare system, economic models, and governance. Nevertheless, challenges come with opportunities: opportunities for many sectors, including science and technology, politics, media, and business, of course. Once again, science and technology have proven effective and reliable for living in such a disastrous period with contact-tracing, vaccine development and treatment. A very tragic second wave in India claimed many lives and *EVERGREEN* wishes that our authors, reviewers, and readers from India subcontinent are safe and healthy. And this tragic event served as a wake-up call for other nations and people. It further inflates interest in vaccines and speeds up the vaccination programs which are the wonderful outcomes of science. *EVERGREEN* continues doing our best during the pandemic and we are very glad to publish Volume 08, Issue 02, or the June Edition.

This edition is furnished with thirty (30) papers; fourteen (14) original articles, and special issues from the 7th series of Mechanical Engineering Research Day (MERD) and the second part of the 6th International Conference on Industrial, Mechanical, Electrical, and Chemical Engineering – ICIMECE. *EVERGREEN* has a sound tradition of publishing a wide variety of research disciplines, including the social science. The first article discusses the challenges and opportunities in energy sector during Covid-19 focusing particularly on the renewable, green, and alternative sources. The second article is about sustainability. During the pandemic, manufacturing, transportation, and distribution of vaccines are crucial. The article studies the effect of transport disruptions on the cold chain, including the importance of truck load capacity. Electrification is gaining momentum in the automobile sector for green transportation. Hybrid and electric vehicles are running on our roads. Such developments are significant for the environment. However, our sensory mechanisms are accustomed to the noise of the combustion engines and road safety of pedestrians becomes a concern. In this publication, we have an interesting article on the investigation of safety based on the pedestrian perspective on EVs. We have articles on the feasibility analysis of wind energy in East Malaysia, a double skin solar air heater, optimisation of stiffness properties of composite and so on. We do have interesting articles on material science (composites), biomedical engineering, engineering mathematics and computer science.

The more we adapt to life during Covid-19, the busier we become with online activities for teaching, seminars, and conferences, in particular. Most researchers seldom have time for review. Nevertheless, *EVERGREEN* reviewers are extraordinary. Without their firm contributions, we cannot proceed with the publication since peer-review is the system we follow. We are thankful to many authors for their interest in publishing with *EVERGREEN*. The

processing of all manuscripts in *EVERGREEN* started with our secretary, Ms Mieko INOUE, and we appreciate her hard work. *EVERGREEN* keeps setting excellent milestones and establishes a sound yet scholarly author-reviewer-reader ecosystem. We expect to announce some good updates in the next issue. We further hope that our readers enjoy this publication and we look forward to a bright future. Finally, *EVERGREEN* congratulates the Olympic Committee for hosting Tokyo Olympic and Paralympic games. It is an incredible task and we look forward to good games.

Jun Tanimoto (Editor-in-Chief)

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Evergreen - Joint Journal of Novel Carbon Resource Sciences & GreenAsia Strategy

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Editorial from the Guest Editors of MERD' 20

The special issue is dedicated to the 7th series of Mechanical Engineering Research Day (MERD). MERD is organized by the Faculty of Mechanical Engineering (FKM) in association with the Centre for Advanced Research on Energy (CARE), Universiti Teknikal Malaysia Melaka (UTeM). The event was held virtually in the form of a mini-seminar at the Kampus Teknologi UTeM, Melaka, on 16 December 2020. This year, MERD is also co-organized by the Graduate School of Engineering, Nagoya University.

The objective is to create a platform for the scientists, scholars, researchers, engineers, and students from Higher Educational Institutions, Research Institutions, and Industries to present their findings of ongoing/completed original research activities. Hence, fostering research collaborations between the universities and industries. The other objective is to introduce young researchers in the scientific field of mechanical engineering through poster/oral presentations and publications, to offer mentoring through senior researchers/scientists, and to foster the building of networks through the informal style of the event.

MERD is a fantastic opportunity for students to practice preparing and presenting scholarly work to a general audience. Academia and non-academia will also be able to share their work with a wide range of individuals, build a list of potential collaborators, and engage students to learn more about their work.

As guest editors, we hope that the papers in this special issue will serve as a valuable reference for researchers and mechanical engineers around the globe. We are also grateful to the Chief Editor of Evergreen and reviewers who worked very hard in reviewing papers and providing feedback for authors.

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Editorial from the Guest Editors of ICIMECE 2020

Greetings from Guest Editors of the 6th International Conference on Industrial, Mechanical, Electrical, and Chemical Engineering – ICIMECE, Faculty of Engineering, Universitas Sebelas Maret, Indonesia. We hope you are doing well in the admits of the COVID-19 Pandemic. As we know that the world is still struggling from the coronavirus. Several mutations of coronavirus make the reporting cases increased in several countries. Though some of them reporting fewer infections¹⁾. Currently, in Indonesia, the number confirmed has risen from last May. Meanwhile, in June, the number of people who received their first vaccination was 19,211,433²⁾. Hopefully, the vaccination would suppress the number of infections. Under all these uncertain conditions, we can not predict what will happen shortly. However, we must make sure that the process for sharing the knowledge and experiences under this conference can be delivered even using a new format.

As we mentioned in our 1st batch of joint publications between the EVERGREEN Journal and ICIMECE 2020, the conference was successfully held in a virtual format. We accepted 152 papers for oral presentation at the conference. Ten outstanding manuscripts were selected as a candidate for possible publication in EVERGREEN Journal. In the 1st batch, we have already published five of them. After the peer-review process, we agreed to publish five papers in the 2nd batch. They are (1) Sustainability Evaluation of Internal Combustion Engine Motorcycle to Electric Motorcycle Conversion, (2) The Effect of Bellmouth Radius and Venturi Restrictor Length on The Power and Torque of BM-9's Engine, (3) Synthesis and Evaluation of Polysulfone/Chitosan/Polyvinyl Alcohol Integral Composite Membranes for the Removal of Mercury Ion, (4) Optimal Treatment Combination for Dishwashing Liquid Soap based on Waste Cooking Oil According to The Requirement of Indonesian Quality Standards, and (5) Lean Implementation Barriers and Their Contextual Relationship in Contract Manufacturing Machining Company.

The guest editors express immense appreciation to the Green Asia Education Centre of Kyushu University as the publisher of Evergreen for the collaboration. We extend our gratitude and thanks to the Editor in Chief and Editorial Team, especially Prof. Kyaw Thu, for this opportunity to contribute and publish our conference manuscripts for the Special Issue of EVERGREEN-ICIMECE 2020. We are also very thankful to the reviewers for their valuable effort and support through comments and advice. We would like to extend our gratitude to the authors who bring their expertise and experience to share the new knowledge in ICIMECE 2020. Besides, we also thank all the committee members of ICIMECE 2020 for their essential role and all those involved in organizing the ICIMECE 2020.

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