

## Editorial

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## Editorial

Time flies when you are working, and we are writing the last editorial for 2022. The year 2022 has been remarkable in several ways. Concerns over Covid-19 have been receded and people can start moving around without quarantine in many places of the world. We had a fantastic World Cup. It was reported that a controlled nuclear fusion reaction produced more energy than the input energy to ignite the nuclear fuel<sup>1)</sup>. World population hits eight billion<sup>2)</sup>. Perhaps this is all about good news. On the other hand, the world was on the brink of catastrophic World War III or a nuclear war. The laptop elites and pajama class people have been paying lip service for peace while adding unlimited fuels to the fire (as long as it takes) while expanding Eastwards with, not so hidden, agenda of containing the new power. Environmentalists have been pretty quiet on the release of harmful gas (potent methane gas into the atmosphere equivalent to the annual methane emissions of 124,000 average UK homes.<sup>3)</sup>) into the atmosphere from the sabotage of North Stream gas pipelines. Never mind global warming; mission accomplished; It's done. The result? Double digit inflation is almost everywhere in the world. People become poorer and many cannot effort basic needs anymore. The troubles the world is facing right now may be just the symptoms which people mainly talked about. How about the cause? Or the reason behind? The laptop elites and the media sweep the reasons (causes) under the rug while just labeling the war and the inflation to someone's name. Global pandemic and serial lockdowns may have influenced the judgement power of people. Some might become power hungry, while many may become rebellious. JFK and then the world leaders avoided the nuclear war during the Cuban Missile Crisis. The difference between now and then is that there was not a pandemic prior to their crisis. Can we learn from our history? Hopefully, cooler heads prevail. It is also an excellent reminder that good times and peace shouldn't be taken for granted.

For *EVERGREEN*, 2022 has been a fantastic year. We received "Q2"; established the online submission system; published a record number of manuscripts; achieved 80% rejection rate; built a strong academic community with researchers around the world (mostly from Asia). Again, these are just the symptoms. The reasons behind this success are plentiful: strong contributions of the authors and reviewers; the right strategy of the management team and the hard work of the editorial team. While we reap success, we nurture the good seeds. And *EVERGREEN* is pleased to publish Volume 9, Issue 04.

The content of this issue is rightly mixed with the articles from multidisciplinary research. As a good tradition, *EVERGREEN* publishes articles on social science and applied science. The articles in the present edition focus on the social science (Regulatory Issues of Depollution in Kazakhstan; Will Digital Revolution be Disruptive for the Inclusive Finance in Bangladesh? The Effect of Social Responsibility Disclosure on Corporate Performance in Arab Countries.), several articles on composite and tribology (Extraction of Chromium Oxide from CCLW to Develop the Aluminium Based Composite by FSP as Reinforcement along with Alumina, Effects of Nanoparticles on the MRR and TWR of graphene-based Composite by Electro discharge Machining, Effect of Casting Parameters on Tensile Strength of Chrome Containing Leather Waste Reinforced Aluminium Based Composite using RSM, etc.) and articles on solar and wind energy research (Experimental Study of Wind Turbine Power Generation Utilizing Discharged Air of Air Conditioner Blower, Optimization and Validation of Solar Pump Performance by MATLAB Simulink and RSM, Application of PV-Thermal Array for Pumping Irrigation Water as an Alternative to PV in Ghor Al-Safi, Jordan: A case study and Energy and Exergy Analysis of a Pressurized Solar Cooking System Based on a Parabolic Dish Collector, etc.). Several experts in the respective fields thoroughly reviewed these articles for many rounds. And we hope that our audience will enjoy reading these papers.

The operation and success of *EVERGREEN* owe to the significant contributions of the authors, reviewers, editorial, management team and our Secretariat, Ms Mieko INOUE. *EVERGREEN* is an open access journal with "zero APC" running with limited resources. While we are happy with the progress made, our team also understands

the hurdles and limitations faced by the authors and reviewers. We thank all for their understanding and firm support. We cherish the good times which are not taken for granted and hope for the peaceful time ahead. To err is human, and hopefully, a global catastrophe can be avoided. Once bitten (1914), twice shy (1939). Three times is unfortunate or unforgivable. *EVERGREEN* looks forward to 2023 and wishes you a Happy New Year.

Incidentally, putting down our pen here for Editorial, we would like to present a works of art at every volume from-now-on, these being several images of Shinto shrines or Buddhist temples in Japan. Shintoism is Japan's traditional religion, blending indigenous belief and Buddhist faith into one belief system that has lasted thousands of years in our island society.

One of the religious missions of Shintoism and Japanese Buddhism over centuries has been healing and calming down the spread of epidemics over our land. Although our island's isolation has historically allowed it to avoid damage from pestilence like the Black Death suffered by Medieval Europe, we have experienced sporadic plagues. Then and still now, Shinto shrines and Buddhist temples have attracted people's prayers from the bottoms of their souls. We hope with all readers that the wake of Covid-19 in 2023 can be vanishing like mist.



Syaka-dou, Saitou, Hieizan Temple © Jun Tanimoto

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## References

1. <https://cen.acs.org/energy/nuclear-power/Energy-output-nuclear-fusion-reaction/100/i44>
2. <https://www.unfpa.org/press/world-set-reach-8-billion-people-15-november-2022>
3. <https://www.newscientist.com/article/2340607-nord-stream-pipes-leaked-enormous-amount-of-methane-into-atmosphere/>

# Editorial from the Guest Editors of the The 17th QiR International Conference

## (Part III)

The 17th QiR (Quality in Research) International Conference is an biannual conference organized by the Faculty of Engineering, Universitas Indonesia. This moment, during the pandemic, QiR International Conference aims to be an international meeting to discuss on the role of the science and technology in the 21st Century. The conference will focus on Resilience and Adaptability for a Post-Pandemic World: Exploring Technology for Our Green Environment. The main objective of the Conference is to open a worldwide discussion on the current role of technology in the academic and scientific areas and on their importance to boost a more responsible society post pandemic.

Due to the pandemic, the 17th QiR 2021 was held online from October 13th to 15th, 2021, along with the 6th International Tropical Renewable Energy Conference 2021 (I-Trec 2021) and the 2nd AUN-SCUD International Conference (CAIC SIUD).

The conference focuses on Resilience and Adaptability for a Post-Pandemic World: Exploring Technology for Our Green Environment, which encompasses a variety of themes in engineering, science, and management. The 17th QiR International Conference featured 16 keynote speakers from around the world and around 350 presenters. We have a long history of cooperation and collaboration with Evergreen, which publishes papers of the highest quality. This term, we will publish 20 articles on Evergreen that cover a variety of topics, including sustainable materials engineering design, local-based architectural smart-city, green technology, and future challenges relating to information and communication technology.

The entire committee of the 17th QiR (Quality in Research) International Conference and guest editors of this special issue hope that the originality and innovation of these published articles will contribute to the advancement of science and technology and promote a more responsible society in the aftermath of a pandemic. We are grateful to all members for their excellent cooperation and teamwork during the organization of the 17th International Conference on Quality in Research. The editors also extend their gratitude to all reviewers for their constructive remarks and suggestions, which contributed to the quality of the published articles. Special thanks were extended to the Chief Editor and Editorial Board of the *EVERGREEN* Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy for providing the opportunity to publish the third batch of articles from The 17th QiR (Quality in Research) International Conference 2021 in the special issue of the Evergreen Journal.

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