Editorial

Preface to *Clean Energy Science and Technology*

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While the global demand for energy continues to increase with technological progress and population growth, the supply of energy is facing increasingly greater challenges. The environmental pollution and global warming caused by the development and utilization of traditional fossil fuels are sounding the alarm for us to change our approach. The widespread adoption of clean energy has become an inevitable trend and a necessary choice for achieving carbon peaking and carbon neutrality goals and ensuring the sustainable development of human civilization and progress. China is a major global producer and consumer of energy. According to relevant statistics, in 2022, the national electricity consumption was 86,372 billion kWh[1], of which the electricity generated from clean energy sources, such as hydropower, nuclear power, wind power, and solar power, amounted to 31,494 billion kWh, with the clean energy proportion of total electricity generation exceeding 36%[2]. Despite a year-on-year growth of 8.5% in clean energy, achieving the goal of carbon neutrality by 2060 requires further acceleration in the development of clean energy sources. As is well-known, to paraphrase President Xi Jinping, science and technology constitute a primary productive force and talent is the primary resource. In light of this, Universe Scientific Publishing is taking the initiative to establish the *Clean Energy Science and Technology* journal. We have invited Prof. Xianfeng Fan from the University of Edinburgh, United Kingdom, to serve as the Editor-in-Chief, and I have been invited to serve as the Co-Editor-in-Chief.

Clean Energy Science and Technology quickly gained significant influence and cohesion in the academic community. Within a span of nearly four months of preparation, we assembled an editorial team consisting of 102 Editorial Board members from abroad and 34 Chief Editorial Board members from China. Furthermore, we successfully hosted the first Editorial Board Meeting and Academic Exchange Conference in Shanghai on 29–30 July, 2023. The conference established 29 July as the journal's inaugural anniversary and decided to establish a Young Editorial Board. Currently, the team has gathered more than 60 young scientists. Many Young Editorial Board members have quickly initiated exchange activities based on this multidisciplinary, innovative academic platform. I believe that in the process of such intellectual collisions, sparks of creativity are bound to ignite.

Clean Energy Science and Technology is currently positioned as a quarterly journal, with one issue published every three months. It is published in both Chinese and English, aiming to expand the journal's readership and international influence. The preparatory process in the early part of this year has progressed smoothly and has achieved the annual goals, especially with the substantial contribution of excellent submissions from Chief Editorial Board members. The editorial team is now making final preparations for publication. In order to strive for high-quality and efficient publication of papers in the journal, the editorial team has decided to publish two issues in the second half of the year. The first issue, including editorials, will feature 7 papers and will be fully available online by the end of September. The second issue is scheduled to be available online by the end of December and currently there are several high-quality articles in preparation. We sincerely invite outstanding scholars from both domestic and foreign countries backgrounds to submit their articles.

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With the growing output of scientific and technological innovations in this field and the increasing influence of the journal, *Clean Energy Science and Technology* will moderately increase the number of papers planned to be published each year according to the development requirements. In short, with the joint efforts of all the Editorial Board members and authors, we aim to establish the journal as a high-level academic publication recognized internationally in this field.

Let's harness universal wisdom for clean energy and contribute scientific knowledge to a better world!

Conflict of interest

The author declares no conflict of interest.

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