

Editorial Note

In the past years, a continuous search for novel decarbonizing technologies has shaken the scientific and technological world. Climate change, probably the most concerning problem of humanity in our entire history, has posed a challenge that requires all actors (ie. industries, governments, NGOs, academic institutions, etc.) to work together to consolidate a plan that will serve to support our future in a sustainable manner whilst also mitigating the detrimental impact towards our environment and biosphere. As part of the solution, academics worldwide have gathered to start working on vectors that can deploy large energy contents whilst also subsidizing the advancement of zero carbon technologies with the potential of commercially penetrating our entire society. One of these vectors is now ammonia, which in 2018 was finally recognized as a real means towards the support of a net zero economy.

As part of these efforts, an international consortium has been formed to provide additional guidance in the development of technologies that range from production to utilization of ammonia, hence serving to disseminate the latest findings in the field to speed up progression towards efficient and affordable technologies that can be implemented at all societal levels. The consortium elucidated the creation of the Symposium on Ammonia Energy, an event that allows scientists, technologists, users, governmental bodies and learners to interact and share findings to progress faster and in a coherent manner towards the implementation of an “ammonia economy” that will complement hydrogen efforts currently being pursued globally.

As naturally expected, the Symposium delivered excellent research that could not be bound by corporate agendas. Therefore, the need for the creation of a Diamond Open Access journal (where copyrights are owned by researchers without paying any fees) was inherent, hence leading to the creation of the *Journal of Ammonia Energy (JAE)*. The journal will publish the best works from these Symposia, facilitating their dissemination to anyone interested in learning about ammonia energy, whilst also acknowledging the efforts from academics working on the field without incurring any expense. In that way, science and technology will be spread openly, ensuring that the subject progresses towards the development of systems with the potential of decentralizing real green energy production as a key component in the fight against climate change.

We thank all the robust Scientific Committee (comprised of academics from 40 countries and all corners of the world) for their strong support in consolidating this journal. Finally, we also thank our 1st Symposium Keynote Speakers, whose contributions have been summarized in the following pages for the purpose of giving readers a sense of the content that will follow in this first issue of JAE.

Sincerely yours,
Prof. Agustin Valera-Medina
Editor in Chief

