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# Ocean Energy Conversion and Magnetohydrodynamic Power Systems

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## **Message from the Guest Editors**

Dear Colleagues,

Climate change is the biggest challenge faced by our planet today. With the ocean covering more than 70% of the Earth, ocean energy is an enormous clean, renewable resource. Harnessing the power of ocean energy can ensure global energy security and achieve targets of global clean energy generation and CO<sub>2</sub> reduction. This has promoted the development of ocean energy conversion technologies. At the same time, the acceleration of ocean energy converters has contributed to advances in electric generator technologies. Magnetohydrodynamic (MHD) power generation is a relatively new and direct technology. Topics of interest include, but are not limited to the following:

- All types of ocean energy conversion, such as tidal, wave, current, thermal energy, salinity gradient energy, and so on;
- Marine wind–solar–wave/wind–wave complementary power generation;
- MHD generators for ocean energy conversion and other applications;
- Other marine energy developments and utilizations;
- Marine MHD propulsion;
- Power conversion and control of ocean energy power generators.

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Dr. Lingzhi Zhao Dr. Ahmed F. Zobaa *Guest Editors* 





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### Message from the Editor-in-Chief

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