

## Editorial

### Special Issue from the 5th International Anatolian Energy Symposium

June 2021

It's our pleasure to introduce the sixth volume of the Turkish Journal of Electromechanics & Energy (TJEE). This special issue of the TJEE (Vol 6. No:1) is comprised of five articles selected from the **5th International Anatolian Energy Symposium (AES)** which was held online from Trabzon, Turkey, during March 24-25, 2021 due to COVID-19 measures all around the globe. It affected every single aspects of our lives and we are just experiencing its short-term effects. The way of teaching, scientific events have been totally adapted to new conditions. Even though it was technically possible before the COVID-19 era, online conferences, group meetings are now our among daily routines. It lacks of face-to-face communication, and joy of travelling yet it offers tremendous advantages such as attending more than one global event in a day without a dress code, and health condition. As an irony, you can attend those events even if you are infected with COVID which was not quite possible during pre-COVID-19 era.

Publishing a special issue was a long and meticulous process. We want to convey our thanks to Professor Burhan ÇUHADAROĞLU, chair of the 5th Anatolian Energy Symposium (AES) Organizing Committee, for accepting our invitation to publish a special issue in TJEE. As editors of TJEE, we attended the conference and reviewed the manuscripts and presentations that fits into scope of the journal. We selected +35 presentations among +100 ones and invited them to submit their full manuscripts for the review process in TJEE, and five of those were published in this special issue. Some others will be published in the following issues.

The first study in this special issue is by **Bayhan and Turhan** which aimed development of a solar energy-based temperature and relative humidity data logger at low-cost.

**Sekmen et al.** reported a case study on the effect of collection tank level on energy consumption of lifting pumps in drinking water distribution systems. For this purpose, an experimental setup consisting of a borehole, a collection tank, a lifting pump, and a distribution tank was established.

**Yolcan et al.** investigated Turkey's energy situation, and long-term energy projections were examined and evaluated by Turkey's installed renewable energy capacity and production values. Essential criteria for determining the solar power plant site were also noted.

Heat transfer and thermal management of lithium-ion battery pack systems with forced air convection were studied by **Türkakar and Hoş**. Numerical analyses were performed for the discharge conditions of the batteries.

The last study by **Arslan et al.** introduced electrochemical characterization of the temperature dependence of a Lithium-ion battery. The electrochemical stabilities of cylindrical SONY Murata 18650-type Lithium-ion batteries in different ambient temperatures at various SOC percentages were analyzed with two types of equivalent circuit modelling methods.

*Together with your support, we will try to strive in our endeavor, sharing knowledge with open-access policy. We feel our publisher's (Science Literature Publishing) support always behind us As we go through our sixth year, TJEE journal has been included in Index Copernicus (IC), Academic Research Index, Cite Factor and Advanced Science Index, and many more yet to come.*

**Editor-in-Chief**

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