

Editorial for Volume 8 of Turkish Journal of Electromechanics & Energy

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It is our pleasure to present the Volume 8 of Turkish Journal of Electromechanics & Energy (TJEE). It started eighth years ago with enthusiasm and encouragement by friends, and counted with the long-lasting support of authors, reviewers and editorial board members. We have prepared this issue under the shadow of devastating earthquakes of all times (rare in history of mankind, double-shaking within 9 hours in the same day and with magnitude above 7.5) that took place on Monday early morning and afternoon, February 6, 2023 in south-east Anatolia region of Türkiye, and Syria. The earthquakes resulted left more than 50 thousands people died, hundreds of thousands wounded solely in Türkiye, and more than 500.000 heavily-damaged buildings behind.

It was again understood that natural disasters can be catastrophic if we do not take engineering rules into account seriously. It starts with regional planning, geological assessments including seismic activity records, movement of the soil and rock mechanics of the area, and continues with the proper building type, construction materials, and techniques, number of floors, etc. Even a single element of these approaches is disregarded, the results can be fatal. On the other hand, we can minimize the adverse effects of the disasters by taking necessary measures.

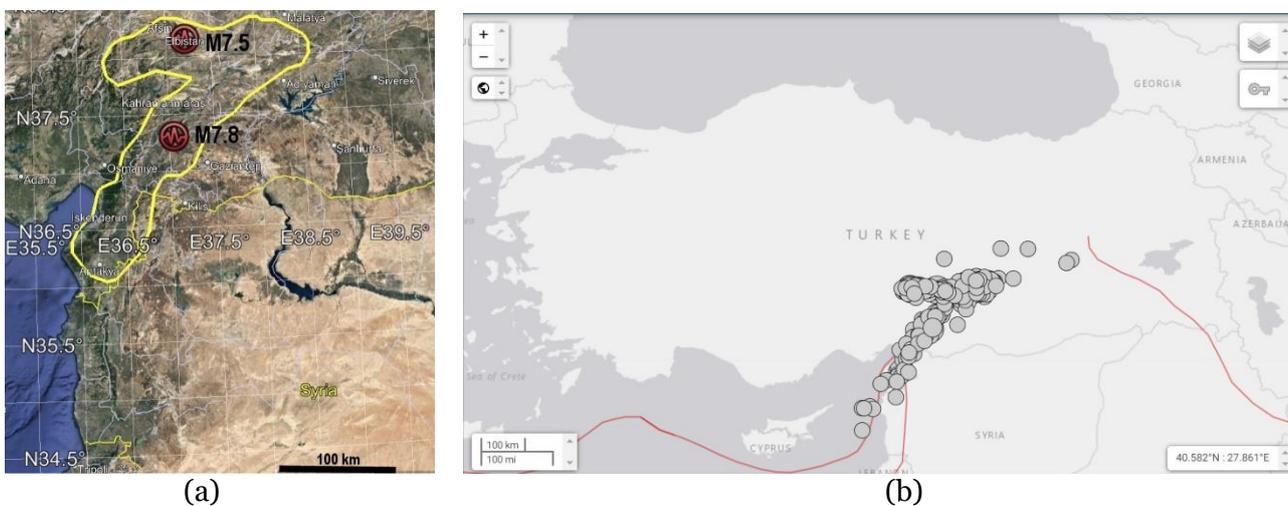


Figure 1. (a) Earthquake regions with epicenters [1], (b) On February 6th, 2023 more than 225 earthquakes with the magnitude above 2.5 were recorded [2]

Preparedness to natural disasters is vital yet it is not enough. Disaster management, effective rescue operations, and relief efforts are also critically important to alleviate the adverse effects of catastrophic incidences.

*The current issue of the TJEE (Vol 8. No:1 January-May 2023) consists of five articles. Two of these articles have been selected from the **4th International Conference on Electromechanical Engineering (ICEE'2022)** held on November 22-23, 2022, in Skikda, Algeria. The first study by **Madi et al.** addresses robust control of a quad copter using PID and H_{∞} controller. The second paper by Luelmi et al. investigated the control of a wind power system based on a doubly fed induction generator with a sliding mode controller. The third study by **Manur et.al.** addresses diode production and characterization by evaporation of silver on ZnO thin films by cold substrate method. The forth study by **Er et. al.** investigated amorphous and monocrystalline PV degradation by means of a PV200 solar PV tester. The last study in this issue by **Gökgöz et al.** addresses challenges during commissioning and operation in photovoltaic power plants by electrical faults.*

*We would like to convey our thanks to **Professor Youcef SOUFI** of Algeria, organizing committee member of 4th International Conference on Electromechanical Engineering (ICEE'2022), and guest editor of this special issue in TJEE.*

*In our eighth year, we relentlessly in a quest for TJEE to be indexed in respected databases., our journal has been included in ROAD, Semantic Scholar, DRJI, and Egyptian Knowledge Bank databases. Index Copernicus (IC), Academic Research Index, Cite Factor and Advanced Science Index. Recently, **Index Copernicus (IC) Journal Master List 2022 listed TJEE with 100 ICV, and CiteFactor Impact Factor 1.03 for 2020-21 period [3].***

Hope to meet you again in our next issue.

Editors-in-Chief

Ömer Necati CORA, Ph.D & Mustafa Ergin ŞAHİN, Ph.D

References

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