



Università
degli Studi di
Messina

DIPARTIMENTO DI INGEGNERIA

Seminar Announcement

Dr. Elcin Kentel

Department of Civil
Engineering of the
Middle East Technical
University (METU)
Ankara, Turkey



February 12, 2025, 14:30 – 18:30 (room 427)

Renewable energy, sustainable development, and hybrid systems

Aydin, N.Y., Kentel, E., and Duzgun, S. (2010) GIS-based environmental assessment of wind energy systems for spatial planning: A case study from western Turkey. Renewable and Sustainable Energy Reviews, 14, 364-373.

Ak, M., Kentel, E., and Savaseneril, S. (2019) Quantifying the revenue gain of operating a cascade hydropower system as a pumped-storage hydropower system, Renewable Energy, 139, 739-752.

February 13, 2025, 9:30 – 13:30 (room 712)

Effects of climate change on hydropower generation and flood risks in Turkey

Outputs of the following two projects will be discussed:

- *118Y365-Assessment of Climate Change Impacts on Streamflow and Hydropower in Antalya, Turkey, August 2018 – August 2021.*
- *220N054-An agent-based model for flood risk mapping: Integration of urbanization and climate change impacts, October 2020-March 2024.*