

## Special Issue

# Thermal Engineering: Energy Conversion, Numerical Simulation, and Advanced Control

### Message from the Guest Editors

This Special issue aims to compile theoretical, numerical, and experimental research and review articles with novel findings that can contribute significantly to the scientific community. Topics include, but are not limited to, the following:

- The development of models and numerical simulations to predict the behavior of energy conversion systems under various operating conditions;
- Simulation of possible advanced control scenarios and application of specialty software or AI tools to improve the energy efficiency of various applied engineering processes;
- Solutions applicable to various processes, improving sustainability, and reducing negative energy impact;
- Contributions related to new design approaches and materials that can optimize control and energy conversion efficiency in systems;
- Mathematical models that show the behavior of the processes or new thermodynamic power cycles that improve processes;
- Modern control systems in continuous or discontinuous processes.

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### Guest Editors

Dr. Moisés Montiel-González

Dr. Jesus Cerezo

Dr. Miguel Ángel Basurto-Pensado

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### Deadline for manuscript submissions

closed (15 April 2026)



## Processes

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