

## Special Issue

# Building Energy Simulation and Monitoring of Dynamic Lightweight Facades: Active Solutions for Building-Integrated Renewable Energies

### Message from the Guest Editors

The development of digital technologies and innovation has paved the path for the fourth industrial revolution in Architecture, Engineering, and Construction, mainly to help overcome new challenges and demands in construction engineering and management. The special issue aims to integrate the recent advancements in digital technologies with sustainable practices in the Architecture, Engineering, and Construction industry. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Ventilated facades with variable air flow
- Application of building information modeling (BIM) and Building Energy Simulation (BES) for nearly Zero Energy Buildings (nZEB)
- Lightweight and transparent materials for building facades
- Integration of renewable energy sources
- Adoption of new materials for green building certification

We look forward to receiving your contributions. Dr. Fernando del Ama Gonzalo

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### Guest Editors

Dr. Fernando Delama Gonzalo

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### Deadline for manuscript submissions

closed (31 July 2023)



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## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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## Editor-in-Chief

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