



## Feature Paper Collection on Civil Engineering and Architecture

Collection Editor:

**Prof. Dr. Luís Bragança**

Civil Engineering Department,  
School of Engineering, University  
of Minho, 4800-058 Guimarães,  
Portugal

### Message from the Collection Editor

Dear Colleagues,

This Feature Paper Collection in Applied System Innovation is dedicated to the publication and discussion of research articles on the following aspects of integrated Civil Engineering and Architecture that provide insights and address the challenges of systems and processes:

1. Strategies, tools, systems and business models to implement circular economy in buildings and cities;
2. BIM and digitalization applied to sustainable buildings and cities;
3. Adaptation of cities and buildings to climate change;
4. Nearly zero and positive energy built environments;
5. Environmentally friendly renewable energy systems;
6. Mitigation of impacts in urban areas;
7. Sustainable management of energy, water, sewage and waste;
8. Sustainable building technologies;
9. Technologies for a sustainable built environment;
10. Sustainability and life-cycle assessment tools;
11. Training and education to promote the implementation of sustainable approaches;
12. Governance, strategies and business models for a sustainable built environment.

