



Building Carbon Emissions and Their Impact on the Climate Change

Guest Editor:

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Message from the Guest Editor

This Special Issue focuses on the following:

- Assessing the carbon emissions and energy consumption in buildings under current and future climate projections;
- Identifying cost-optimal design solutions to reduce the overall building emissions and conserving energy;
- Achieving a nearly zero-energy building (NZEB) standard;
- Reviewing the current practices for designing NZEBs;
- Achieving the desired outcome by developing a framework to seek out the energy efficient measures (EEMs);
- Presenting the ideal life cycle costs (LCCs).

The expected results of this Special Issue will encompass multiple industries, enabling them to calculate the operational carbon emissions and energy use of their building, perform a cost analysis, help reduce the carbon footprint and assist them in reaching the global target of net-zero by 2050 as put forward by The Intergovernmental Panel on Climate Change (IPCC).





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Message from the Editor-in-Chief

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