



Building Energy Codes and Greenhouse Gas Mitigation

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Deadline for manuscript
submissions:

closed (7 October 2022)

Message from the Guest Editors

Dear Colleagues,

We invite researchers to contribute original research articles, as well as review articles, dealing with building energy codes and how they can help to mitigate greenhouse gas emissions. Countries around the world are increasingly adopting and implementing comprehensive building energy codes to improve the energy efficiency of buildings and reduce greenhouse gas emissions. Their reasoning is that buildings account for some 39% of global CO₂ emissions and are typically in place for decades, if not centuries. Building codes are seen as key tools for achieving a reduction in this total. We are interested in contributions from multiple disciplines and parts of the world. Topics of interest include but are not limited to:

- Modeling to assess the impact of building energy codes on greenhouse gas mitigation;
- Analysis of what makes codes effective in mitigation, including assessments of code impacts post-construction;
- Implementation and compliance case studies and analysis;
- Nearly zero carbon and similar aggressive “stretch” codes;
- Building energy codes for existing buildings;





Editor-in-Chief

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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