



## Energy and Environment: Policy, Economics and Modeling

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### Message from the Guest Editor

The significant growth in global energy consumption over the last century might be attributed to a variety of technological advancements and day-to-day improvements. As a result, energy has become increasingly important in nearly every element of human life. As a result of industrialization, globalization, and improved transportation, the need for energy has increased in many economies. Environmental degradation is connected to rising global temperatures, irregular weather patterns, and air pollution. Greenhouse gas emissions from fossil fuels are assumed to contribute to environmental deterioration as a result of energy use, and these emissions have lately come to the top of the list of environmental concerns, particularly in emerging economies. As a result of the global economy's fast expansion, these issues are harming the lives of people and other creatures. Energy efficiency improvements may reduce the economy's per-capita energy consumption, cutting GHG emissions and contributing in the finding of long-term sustainable alternatives to fossil fuels. In light of rising energy costs and global environmental goals, we must think about the energy use and environmental degradation.





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