

## Special Issue

# Energy Intensity, Economic Growth and Environmental Quality

### Message from the Guest Editors

Finding alternative and sustainable sources of energy is vital for the existence of human civilization. Renewable energy sources show great promise in supplying a sustainable and continuous supply of energy. This also ensures the achievement of "net zero emission".

However, the generation from many of these renewable sources is unpredictable and intermittent, and does not match with the temporal operation of appliances.

Though they are free and abundantly available, the required infrastructure and power quality improvement cost is still very high. The sourcing of 100% renewable energy requires transforming the existing system into a smart one. A smart system enhances the efficiency of energy utilization and, thus, increases the penetration of renewable energy into a microgrid by optimizing the design, planning and scheduling of utilization and storage. Extensive research is needed to find new renewable technology, develop smart energy management, and enable the scheduling and forecasting of energy generation that provide cost-effective system designs and implementation and contribute to sustainable economic growth.

### Guest Editors

Dr. Gazi Hassan

Department of Economics, Waikato Management School, University of Waikato, Hamilton 3240, New Zealand

Dr. Shafiqur Rahman Tito

Department of Software Engineering, University of Waikato, Hamilton 3240, New Zealand

### Deadline for manuscript submissions

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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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