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# **Microgrids and Sustainable Energy Integration 2023**

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### **Message from the Guest Editors**

Dear Colleagues,

Recent research has focused on microgrids and sustainable energy integration to improve energy systems. Microgrids are smaller versions of the power grid with localized energy resources and can operate independently or with a larger grid. They use renewable energy sources like solar, wind, and hydroelectric power and energy storage systems, providing increased reliability, resilience, and energy efficiency.

Overall, microgrids are an exciting area of research and development, with many potential benefits for sustainable energy integration.

In conclusion, microgrids and sustainable energy integration represent a transformative approach toward a cleaner, more resilient, decentralized energy future. By exploring new ideas and research directions, we can unlock the full potential of microgrids, paving the way for a more sustainable and decentralized energy landscape. The main objective of this Special Issue is to collect research exploring the latest developments in microgrids and sustainable energy integration technologies.

Prof. Dr. M. Tariq Iqbal Dr. Razzaqul Ahshan *Guest Editors* 







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#### Message from the Editor-in-Chief

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