

Journal of Microgrids is a new journal aiming to provide a multidisciplinary and quality forum for scientists, engineers and researchers doing research and technology development in the wide area ...

Microgrid technology integration at the load level has been the main focus of recent research in the field of microgrids. The conventional power grids are now obsolete since it is difficult ...

We, the guest editors, thank everyone who has contributed to this virtual special issue (VSI), Microgrids 2025. This editorial includes a brief blurb for each accepted paper, collected in five ...

Scientists and engineers have proposed a shift from current energy systems to ones based on renewable sources. Microgrids (MGs) represent one outcome of this transformation.

This article investigates the characteristics, operation and challenges of zero carbon microgrids, including size, generation from renewable sources, energy balance, and costs.

Despite impressive progress, research and innovation in microgrids still has many open technical issues to cover, but additionally exploration of business cases and social issues, links to ...

Accepted papers will be published continuously in the journal (as soon as accepted) and will be listed together on the special issue website. Research articles, review articles as well as short ...

This paper presents a review of the microgrid concept, classification and control strategies. Besides, various prospective issues and challenges of microgrid implementation are ...

This review article summarizes various concerns associated with microgrids' technical and economic aspects and challenges, power flow controllers, microgrids' role in smart grid development, main ...

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