



Environmental Sustainability, Technical Feasibility, and Economic Viability of Repurposing and Repowering Coal-Fired Power Plants

Guest Editors:

Dr. Atanda Raji

Department of Electrical,
Electronic and Computer
Engineering, Faculty of
Engineering and the Built
Environment, Cape Peninsula
University of Technology, Bellville
7535, South Africa

Dr. Marco Adonis

Department of Electrical,
Electronic and Computer
Engineering, Faculty of
Engineering and the Built
Environment, Cape Peninsula
University of Technology, Bellville
7535, South Africa

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Message from the Guest Editors

This Special Issue of *Energies* intends to explore the environmental sustainability, technical feasibility, and economic viability of repurposing and repowering coal-fired power plants. By repurposing these plants, they can be transformed into facilities that utilize alternative energy sources such as solar, wind, or biomass, reducing their carbon footprint and utilizing existing infrastructure. These power plants can also be repowered using different but environmentally friendly primary energy resources such as green hydrogen, biomass, and natural gas to replace coal. The modelling of power plants and the analysis of existing grids with replaced resources are vital in order to determine the system voltage stability and mitigation strategies. Efforts must be made to ensure that the communities in which coal-fired power plants are repurposed or repowered are considered by key stakeholders who take their concerns seriously, particularly regarding jobs and economic activities for the community's sustenance.





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Editor-in-Chief

Prof. Dr. Enrico Sciubba

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

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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