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Advanced Materials and Technologies for Fuel Cells

Guest Editors:

Prof. Dr. Massimo Viviani

Dr. Antonio Barbucci

Prof. Dr. Maria Paola Carpanese

Prof. Dr. Sabrina Presto

Deadline for manuscript submissions:
closed (20 October 2020)

Message from the Guest Editors

Dear Colleagues,

This Special Issue welcomes contributions focused on experimental techniques and computational theories that can provide fundamental insights into the development of new electrode, electrolyte, interconnects, and sealing materials, as well as on the technological improvements ensured by the use of fuel cells.

- Co-electrolysis
- High conductivity electrolyte materials
- Innovative architectures
- Nano-structured electrodes
- Platinum-group-metal-free electrodes
- Electro-catalysis
- Interconnects and sealing
- Internal fuel processing
- Balance of Plant (BOP) components
- Modelling at the cell-stack-plant level
- Life cycle and thermoeconomic analysis.

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Message from the Editor-in-Chief

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