



## Advances in Electrical Equipment Insulation for New Power Systems

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### Message from the Guest Editors

China has set a goal to achieve peak CO<sub>2</sub> emissions before 2030 and carbon neutrality by 2060. To achieve the goal, the State Grid has issued a great plan on the construction of new power system, which will be low-carbon, more flexible and efficient, more intelligent and environmentally friendly, etc. The development of a new power system poses challenges and higher requirements for electrical insulation, such as the necessity of new environmentally friendly insulation dielectrics, more accurate sensors, repair for insulating materials, etc. This Special Issue of *Applied Sciences* provides an opportunity for researchers to share their latest discoveries and best practices in this field. Potential topics include but are not limited to:

- Environmentally friendly insulating dielectrics for new power systems;
- Insulation of electrical equipment under extreme conditions;
- Electrical insulation for power electronic equipment;
- Modern sensors for insulation condition monitoring in power systems;
- Advances in numerical simulation for electrical insulation design;
- Intelligent fault diagnosis and repair of electrical equipment insulation;
- Other insulation-related technology.





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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