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Dielectric Polymer Materials: Fabrication, Characterization and Application

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

Dielectric materials' electrical performance is related to their polarization, dielectric permittivity and loss, relaxation phenomena, interfacial effects, conductance mechanisms, and dielectric breakdown strength. The dielectric response of polymer dielectrics can be tuned by controlling the fabrication method and the ingredients.

In this Special Issue on "Dielectric Polymer Materials: Fabrication, Characterization, and Application", we welcome original research and reviews on experimental or theoretical/computational studies of all kinds on polymer-based dielectric materials. The design and fabrication of novel polymer-based dielectric materials, polymer matrix micro- and nanocomposites and hybrids, biological systems, electrical engineering devices, insulation systems, stimuli-responsive materials, smart materials, the structure–properties relationship, and all kinds of current and forthcoming applications comprise a short—and definitely not exhaustive—list of the possible subjects for this Special Issue.

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Message from the Editor-in-Chief

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