Special Issue

Multi-Functional Smart Dielectric Materials for High Voltage Insulation

Message from the Guest Editors

Smart materials based on nano-dielectrics are actively synthesizing and implementing recently such as submarine cable using XLPE doped with MgO, DC cables using PE with carbon black as an insulation, hydro-generator insulation using nano-silica, motor insulation using hybrid organic-inorganic nanoinsulation. The European program Horizon 2020 has deployed nanomaterials to replace crosslinked technology for HV cables. This Special Issue aims to provide a platform reporting research advances in smartly designed dielectric materials. Hence, this topic is open to both natural and applied sciences subjects used to apply existing scientific knowledge to develop more practical applications, for example in technology and inventions. The scientific publications related to new and existing smartly structured polymer-based materials synthesis process and their characterization in electric power industry are welcome.

Guest Editors

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Deadline for manuscript submissions

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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