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Advanced Dielectric Ceramics (2nd Edition)

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Deadline for manuscript submissions:
30 July 2024

Message from the Guest Editors

Dear Colleagues,

Advanced dielectric ceramics are known as high-performance ceramics, fine ceramics, high-tech ceramics, etc., through the use of high-purity, ultra-fine, synthetic, or selected inorganic compounds as raw materials. Advanced dielectric ceramics have excellent characteristics in relation to mechanics, sound, light, heat, electricity, and biology. Advanced ceramics are different from traditional ceramics in terms of raw materials and technology. Their specific fine structure enables them to have a series of advantages, such as high strength, high hardness, wear resistance, corrosion resistance, high temperature resistance, insulation, superconductivity, biocompatibility, etc. As such, they are widely used in national defense, the chemical industry, metallurgy, electronics, machinery, aviation, aerospace, biomedicine, etc. In the future, we expect the development of advanced ceramics to be promoted through the implementation of combined synthesis methods and new processing technologies.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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Message from the Editor-in-Chief

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