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New Trends in Ferroelectric Nanocomposites Materials: Characterization, Properties and Applications

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Message from the Guest Editors

Dear Colleagues,

Nowadays, the development of ferroelectric nanocomposite materials, including polymer-inorganic, multiferroic, or ferroelectric-relaxor composites is attracting a considerable interest. The combination of different phases not only results in an improvement in the functional properties of the components, but can also lead to emergence new synergetic functionalities. Ferroelectric composites find applications in actuators, sensors, energy storage and harvesting devices, energy converters, memory elements, etc.

This Special Issue of *Materials* aims to highlight and summarize recent trends in synthesis, properties, and applications of ferroelectric nanocomposites. Different kinds of composites: polymer-inorganic, multiferroic, ceramic-ceramic, etc. with various connectivity (3-0, 3-3, 3-1, 2-2) are covered. Contributions in the areas of experimental studies and theoretical modelling, macroscopic and nanoscale characterization of these materials as well as development of devices based on them are welcomed.

Dr. Vladimir Shvartsman Dr. Maxim Silibin *Guest Editors*







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Message from the Editor-in-Chief

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