



## Electroceramic Materials: Composition–Structure–Property Relationships

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### Message from the Guest Editor

Electroceramics include advanced ceramic materials that have interesting and useful electrical, optical, and magnetic properties that are applied in a wide variety of applications. This growing field includes dielectric, piezoelectric, ferroelectric, multiferroic, ionically conducting, semiconducting, and superconducting ceramics used in different domains. Many of the electroceramic materials are inorganic solids with potential electrical properties. Properties depend on the stoichiometry but also on the overall crystal and defect structures of the solids, as well as on interfacial effects. The preparation of the material using different synthesis methodologies as well as the use of different techniques for its processing is one of the most important aspects to find more advanced electroceramics. Thus, obtaining high-quality electroceramic materials involves being able to understand and optimise the composition–structure–property relationship.

This Special Issue will be an interesting interdisciplinary medium to collect research and contributions of recent advances, covering fundamental aspects of electroceramic materials: from synthesis and processing to properties.





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## Message from the Editor-in-Chief

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