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## Advances in Ceramic and Molecular Ferroelectric Materials

Guest Editor:

**Dr. Chris M. Fancher**

Materials Science & Technology  
Division, Oak Ridge National  
Laboratory, Oak Ridge, TN 37830,  
USA

Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editor

The texture of functional materials is a controlling factor governing their performance in application. Texture engineering has become a vital tool for enhancing the functionality of materials by exploiting their intrinsic property anisotropy. In addition, the crystallographic texture stores information about the history of materials because processing and external forces strongly influence the microstructure. For example, ceramists routinely quantified crystallographic textures to correlate enhancing in properties with processing-induced texturing and infer extrinsic contributions to the macroscopic properties from ferroelastic textures. Deformation textures in olivine enable geologists to determine the thermomechanical processes inside the Earth's crust. The continued advances in measurement probes (electron backscatter diffraction (EBSD) and X-ray/neutron diffraction) and data analysis methods require research with higher fidelity information texture information.



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### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

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Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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