



Mining Waste as Raw Materials for Mullite-Based Ceramics

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Message from the Guest Editors

Mullite ($3\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2$) is an aluminosilicate characterized by excellent physical properties, such as good resistance to thermal shock, low thermal conductivity, good resistance to wear and deformation, working temperature over 1200 °C, etc., which make it an important ceramic material. In this way, ceramic materials based on mullite find application in different technological fields as refractory material matrix in composite materials for high temperature applications, substrate in multilayer packaging, protective coatings, components of turbine engines, windows transparent to infrared radiation, etc.

For this Special Issue, researchers can report findings on the use of sterile materials generated in mining activities for the manufacture of ceramic materials containing mullite as a main crystalline phase.





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Message from the Editor-in-Chief

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