



an Open Access Journal by MDPI

Advances in Fine and Structural Ceramics for High-Tech Applications

Guest Editors:

Dr. Daniel Fernández-González

Centro de Investigación en
Nanomateriales y
Nanotecnología, Consejo
Superior de Investigaciones
Científicas: El Entrego/L'Entregu,
Asturias, Spain

Dr. Cristian Gómez Rodríguez

Faculty of Engineering, University
of Veracruz (Coatzacoalcos), Av.
Universidad km 7.5 Col. Santa
Isabel, Coatzacoalcos 96535,
Mexico

**Prof. Dr. Guadalupe Alan
Castillo Rodríguez**

Facultad de Ingeniería Mecánica
y Eléctrica, Universidad
Autónoma de Nuevo León, San
Nicolás de los Garza, Nuevo León
66455, Mexico

Deadline for manuscript
submissions:

closed (10 December 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue, entitled *Advances in Fine and Structural Ceramics for High-Tech Applications*, aims to provide a place where researchers can share recent advances in the synthesis and development of fine and structural ceramic materials and their application using methods such as sintering with nanoparticle addition, melting, and laser ablation, as well as advances in fine ceramics for the development of ferroelectric ceramic materials and their applications according to their properties.

The purpose of this Special Issue is to compile research articles that present the current state of knowledge on fine and structural ceramics developed using both traditional and modern sintering processes (e.g., spark plasma sintering, microwave sintering, laser sintering or solar energy, plasma spray, physical vapor deposition and/or fusion), including better developments of sintered products doped with nano and microparticles.

Dr. Daniel Fernández-González

Dr. Cristian Gómez Rodríguez

Prof. Dr. Guadalupe Alan Castillo Rodríguez

Guest Editors



mdpi.com/si/101229

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

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

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)