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Advanced Material Science and Engineering: Metamaterials, Material Characterizations, and Sensing Techniques

Guest Editors:

Dr. Ahmed Jamal Abdullah Al-Gburi
Centre for Telecommunication Research and Innovation (CeTRI), Faculty of Electrical and Electronic Engineering Technology (FTKEE), Universiti Teknikal Malaysia Melaka (UTeM), Taman Tasik Utama, Ayer Keroh 75450, Malacca, Malaysia

Prof. Dr. Zahriladha Zakaria
Center for Telecommunication Research and Innovation (CeTRI), Faculty of Electronics and Computer Engineering, Universiti Teknikal Malaysia Melaka, Jalan Hang Tuah Jaya, Melaka 76100, Malaysia

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Message from the Guest Editors

Recent advances in material science, particularly in the field of nanotechnology, have triggered significant research progress. Attributed to the high surface periodic structures arising from nanostructured materials, they are shown to exhibit unusual physicochemical properties. An improved performance was achieved when rationally designed nanostructured materials were carefully employed for sensing applications. Metamaterials are a novel type of functional material based on unique patterns or structures that enable them to interact with light and other sources of energy in ways that are not found in natural materials. The internal structure determines the properties of these artificially engineered composite materials.

This Special Issue aims to showcase recent developments, advances, and new frontiers in advanced material science and engineering: metamaterials, material characterizations, and sensing techniques. We also encourage original research and review articles that apply ideas and techniques from different areas to understand the problems and challenges in advanced material technology.

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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

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Materials_Mdpi