# Special Issue

## Advances in Multimaterial Fibers and Devices

## Message from the Guest Editors

In the 1960s, Dr. Charles Kuen Kao (The Nobel Prize Winner of Physics 2009) discovered optical fibers, which were multimaterial silica fibers in a broad sense with a higher refractive index of doped silica cores and a relatively lower refractive index of pure silica claddings. Multimaterial silica fibers open a new door for transmitting light and information to thousands of homes by total internal reflection at the core/cladding interface. Furthermore, increasing efforts have been made to develop the field of optical fiber networks and optical data communications, which has become an indispensable part of modern life. In this Special Issue, we welcome research on multimaterial fibers and devices, including, but not limited to, the discovery of new fiber materials by preparing glass-clad/polymer multimaterial fibers and designing fiber-based devices comprising conductor, semiconductor, single crystal. polycrystal, nanocrystal, quantum dot, low-temperature glass, rare-earth ions doped core glass, and dissimilar core-clad materials.

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## Deadline for manuscript submissions

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## 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.

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