Special Issue

Advances in Laser Technologies and Applications

Message from the Guest Editor

We have the pleasure to invite you to submit a manuscript to the forthcoming Special Issue, “Advances in Laser Technologies and Applications”, for the journal Materials. Since the invention of the laser, a broad variety of laser systems with different properties have been developed and have allowed the processing of almost any material . Laser has been established as the key tool for many material processing applications and is many times the only real solution available. This Special Issue covers the whole spectrum of laser materials processing, ranging from novel trends in well-established industrial processing techniques (like laser welding or laser micro processing) to fundamental research in novel applications (like laser tissue engineering or surface functionalization). This Special Issue will cover applications with new laser systems, new beam delivering systems and new methods for the monitoring and adaptive control of laser processes. In addition, fundamental research concerning the interaction between laser radiation and matter, including simulations and the modeling of these processes will also be topics of specific interest.

Guest Editor

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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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