Special Issue

3D & 4D Printing—Metrological Problems

Message from the Guest Editors

Over the past 25 years, we have seen significant advancements in modern manufacturing technologies, such as 3D printing. This applies to both new additive manufacturing technologies and materials. This development has led to the emergence of a new field of manufacturing technology called 4D printing. Following the initial success of the Special Issue of *Materials* devoted to "3D and 4D Printing in Engineering Applications", both the first and second editions, we are pleased to present this new issue, thematically combining 3D/4D printing with modern metrological issues. Additionally, this issue is a continuation of the annual conference: 3D 4D PRINTING-Metrological Problems. The conference is held on 17–19 September 2025, in Kielce, Poland in hybrid form. SI journal will publish innovative research, review articles, and communications on modern additive manufacturing technologies and the materials used in them, including innovative measurement tools that address the realities of the industrial transformation towards Industry 4.0. An important aspect of 3D printing is the developing standardization process, which is also the focus of this Special Issue.

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Message from the Editorial Board

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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