

## Special Issue

# Materials Processing and Emerging Technologies

### Message from the Guest Editors

Manufacturing processes for materials are experiencing a worldwide transformation from traditional manufacturing to smart and advanced manufacturing techniques, where the integration of digital sciences and material processing has changed the face of the industry. The guest editing team are bringing together a collection of work related to the processing of materials using these new innovative techniques. The team, in collaboration with the organising committee of the 37th International Manufacturing Conference, seeks publications addressing the following topics:

Smart and advanced manufacturing technologies;  
Medical device and biopharmaceutical manufacturing

;

Additive manufacturing (3D printing) ;  
Polymer engineering technologies;  
Innovative manufacturing processes and practices ;  
Industry 4.0 technologies;  
Digital twin technologies for material processing ;  
Immersive technology for materials manufacturing ;  
Machine tool design;  
Manufacturing and sustainable development goals.

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### Guest Editors

Dr. Declan Devine

Dr. John (Sean) Lyons

Dr. Xavier Velay

Dr. Rónán Dunbar

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### Deadline for manuscript submissions

closed (31 December 2022)



## Materials

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Impact Factor 3.2  
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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q1 (Condensed Matter Physics)