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## Research and Applications of Computer-Aided Technologies for Additive Manufacturing

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Deadline for manuscript submissions:

**15 November 2024**

### Message from the Guest Editor

Additive manufacturing (AM), or 3D printing, is the process of building 3D objects from computer-aided design (CAD) programs in a layer-by-layer manner. Because of the freedom of fabrication, rapid and low-cost prototyping, and reduction in material waste, AM has become the critical industrial technique for innovative, sustainable, and customized products. As a result, there will be increasing demand for a software ecosystem that enables Computer-Aided Technologies (CAx) supporting the design, simulation, and process planning for AM. To keep up with the advancements in AM and to overcome the many challenges that AM faces today, we welcome you to this Special Issue of “Research and Applications of Computer-Aided Technologies for Additive Manufacturing” to submit papers in the field of AM and its related topics. This includes but is not limited to new AM technologies, process optimization, pre- and post-processing technologies and approaches, modeling AM processes, inspection processes and quality evaluation, design and simulation in AM, and any other interesting research topics regarding 3D printing (AM).



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# Special Issue



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## Message from the Editor-in-Chief

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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