Special Issue

New Insights in Material Forming

Message from the Guest Editor

The formation of materials is an important aspect of the manufacturing industry, and the procedures involved are becoming increasingly vital to the development of advanced manufacturing technology. Casting, forging, welding and other materials processing techniques have been relied upon as the primary technologies for the sustainable development of the national economy. In recent years, plastic forming has developed from the traditional forging forming processes to the new stages of precision forming integration, multi-energy field plastic forming and microforming, each of which has developed research hotspots and frontier directions. The various plastic forming methods include: sheet forming; deep drawing; spinning; flow turning; stretch forming; fluid and hydro-forming; cutting; forging; rolling; tube forming; extrusion; wire and tube drawing; high-energy and explosive forming; powder forming; mushy state forming; hot, warm and cold processes; super-plastic forming; micro- and nano- forming; multi-material forming; incremental forming. This Special Issue will be discuss recent developments, innovations and advances in metal forming processes.

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Deadline for manuscript submissions

closed (10 July 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/157228

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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