



Modernly Designed Materials and Their Processing

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Message from the Guest Editors

Dear Colleagues,

Modern materials in mechanical engineering have significantly improved the performance of mechanical systems, allowing for more efficient and effective designs. These materials offer several advantages over traditional materials such as increased strength, durability, and corrosion resistance, as well as being lightweight. The development of these materials continues to push the boundaries of what is possible in mechanical engineering. The processing of these modern materials often involves advanced manufacturing techniques, such as additive manufacturing, advanced forming, advanced machining, and advanced casting processes. These techniques allow for precise control over the material properties and the manufacturing of complex geometries with high accuracy. The progress in technology and materials has enabled mechanical engineers to design and produce more efficient, reliable, and sustainable mechanical systems.





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Message from the Editor-in-Chief

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