Special Issue

Effect of Processing Techniques on the Characterization of Alloys Composites and Hybrids

Message from the Guest Editors

This topic delves into the transformative impact of these modifications, exploring the various methods used to develop materials with optimized properties. By examining techniques such as solid solution strengthening, precipitation hardening, surface treatments, powder metallurgy, mechanical alloying, and the creation of metal matrix composites and functionally graded materials, we aim to provide a comprehensive overview of the state-of-the-art strategies in material enhancement. This Special Issue will address the above-mentioned points in relation to materials, methods characterisation, performance and properties of advanced alloys or composites or hybrids to offer an insight into the future of field of materials. We invite you to engage with this discussion, share your insights, and contribute to the collective understanding of how these advancements are shaping the future of material engineering. Your expertise and perspectives are invaluable as we explore the intricate relationships between elemental modifications, microstructural changes, and their resultant effects on reinforcement and wear behaviour.

Guest Editors

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