



## Recent Advances in Welding Technology of Alloys and Metals

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### Message from the Guest Editor

Welding as an “umbrella” term defines all those technological process variants that provide the proper quality of the welded joints. Arc welding, electron beam welding, laser beam welding, and laser hybrid welding can be recognized as joining processes which melt the materials. It should be noted that the welding technologies can be put into effect both very quickly and very precisely at the position desired in each case. The welding process can be applied in an SME as well as in large companies as needed.

In this Special Issue, we seek to provide a wide set of articles on various aspects of welding technologies. The idea is to demonstrate the broad range of properties and applications of these technologies. It is hoped that this open access Special Issue will provide a place for anyone to familiarize themselves with the current state of the art for these processes. Articles on technological process analyses, defect elimination, and the performance of final welded joints are desired, as well as those on the welding of modern materials.





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## Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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