# Special Issue

# Design of Welded Steel Structures

### Message from the Guest Editor

Welded steel structures have various applications worldwide in civil and industrial construction. Regarding the design of steel welded structures, it is necessary to use new methods that allow for quick verification of the different constructive variants in order to improve their operating behavior. This is possible through the use of different software design programs such as, for example, the finite element method (FEM) or others. Nowadays, welded steel constructions have undergone great development, and following the analyses that have been made, it was found that an improvement in their design is required to improve their operation behavior and for reduction in the consumption of materials and energy. This Special Issue aims to approach the latest research dedicated to the design of welded steel constructions using new design methods to obtain welded structures that are technically and economically efficient. Research articles focused on the optimization of welding technologies that allow welded steel structures to be obtained with a design corresponding to their field of use are also encouraged.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2021)

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# About the Journal

## Message from the Editor-in-Chief

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.

## Editor-in-Chief

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