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Research on the Microstructure and Properties of Metal Alloys (2nd Edition)

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Message from the Guest Editors

The purpose of the second volume of this Special Issue is to present the results of scientific research related to the study of metal alloy microstructures at various stages of their production and the properties of these materials. The properties of metallic alloys do not depend only on their chemical composition. The microstructure of an alloy also has a significant influence on the behavior of its products. Metallurgical technology begins with natural and recycled raw materials and uses melting and casting methods. Part of the metallurgical production is used in the as-cast state. Another part is further processed by various technological processes. These include various methods of metal forming, heat and thermochemical treatment, welding, sintering, and additive manufacturing. We invite you to share your latest results. Topics of interest include analyses of the microstructure and properties of alloys, their processing, the development and application of modern research, and modeling and simulation techniques. Review articles on related topics are welcome. We hope you will join us in developing this interesting area of research.





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