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Advanced High-Strength Steels (AHSS) Prepared as Bulk and Powder Metal

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 July 2025)

Message from the Guest Editor

Dear Colleagues,

Advanced High Strength Steels (AHSS) are characterized by selected chemical composition, final microstructures, and physical properties that can be formed in bulk or powdered steel materials.

This Special Issue aims to present the latest works in the research and development of AHSS steels. We invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are welcome for submission.

Potential topics include, but are not limited to:

- (a) Materials base: AHSS steels prepared in bulk and PM form (introduction and characterization);
- (b) Experimental techniques: controlled rolling and cooling, additive manufacturing, SPD techniques, plastic deformations at cryogenic temperatures, and heat treatment;
- (c) Strengthening mechanisms to increase mechanical properties;
- (d) New trends to increase mechanical properties;
- (e) Application of AHSS.





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Editor-in-Chief

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Message from the Editor-in-Chief

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