



Inaugural Editorial

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It is with great enthusiasm that we introduce the inaugural issue of the *Journal of High Performance Alloys and Processing*. As Editor-in-Chief, I am delighted to introduce this new journal as a platform for bringing together diverse perspectives, disseminating and facilitating the exchange of high-quality research in advanced alloys and processing technologies, and fostering progress in related academic fields. We also aspire to contribute to the advancement of high-end manufacturing through scientific innovation and technological development.

JHPAP is an international journal launched in 2026 and published quarterly by [ICJN Press](https://www.icjn.net). Focusing on the dual pillars of advanced alloys and advanced processing technologies, the journal is dedicated to the design, fabrication, processing, modification, and engineering applications of high-performance materials, including ferrous, non-ferrous, and high-entropy alloys. It integrates multiple disciplines, such as materials science and engineering, metallurgical engineering, and mechanical processing, and serves strategic sectors including aerospace, high-end equipment manufacturing, new energy, rail transportation, ocean engineering, and nuclear power.

JHPAP aims to bridge the gap between fundamental research and engineering applications, address key challenges in technology translation, and support the development of critical materials. It seeks to establish a leading platform for the dissemination and exchange of high-quality research in advanced alloys and processing technologies. With a clear scope, full industrial-chain coverage, interdisciplinary integration, and strong application orientation, *JHPAP* prioritizes the publication of articles, key technologies and processes, short communications, commentaries, comprehensive reviews, and high-level engineering achievements. This focus distinguishes it from conventional materials or single-process journals. Ultimately, the journal aspires to advance both academic disciplines and the upgrading of high-end manufacturing industries. Topics of interest include, but are not limited to: lightweight high-strength alloy, high-temperature alloy, advanced steels, functional/composite/rare earth alloys, high-entropy alloys, vacuum/special melting, advanced manufacturing processes, powder preparation, near-net-shape continuous casting, plastic molding, rolling and extrusion, additive manufacturing, casting and forging composite, heat treatment and

surface modification.

The journal has assembled an international editorial team of internationally recognized researchers and technical experts in materials science and engineering, representing a broad range of specialized disciplines. This multidisciplinary expertise reflects our commitment to advancing comprehensive and in-depth research that supports innovation and development across high-end manufacturing industries. As a newly launched journal, *JHPAP* aspires to become a vibrant platform for the global research community. We warmly invite researchers, academics, and industry professionals from around the world to contribute their most innovative and impactful work. The journal upholds the highest standards of academic integrity, transparency, and rigorous peer review. We hope through the collaborative efforts of authors, reviewers, and editors, we aim to build a dynamic and influential journal that not only disseminates cutting-edge research but also shapes future directions in engineering materials and advanced manufacturing.

The journal has assembled an international editorial team of distinguished researchers and technical experts in materials science and engineering, bringing together expertise across a broad range of related disciplines. The editorial team and editorial board are committed to maintaining a rigorous, efficient, and transparent editorial and publishing process. Upholding the highest standards of research integrity, the journal places strong emphasis on rigorous peer review to ensure the scientific soundness, reliability, and scholarly value of published work.

To promote open access to scientific knowledge worldwide, *JHPAP* publishes all accepted articles under [CC-BY-4.0](https://creativecommons.org/licenses/by/4.0/) Licenses, ensuring they remain freely and permanently accessible to readers worldwide. All submissions will be peer-reviewed to ensure integrity and transparency, uphold academic integrity, and ensure that published work meets the journal's standards. The journal is also committed to efficient editorial decision-making and a streamlined review process, facilitating timely publication without compromising scientific rigor.

As a newly established journal, *JHPAP* aspires to become a dynamic platform for the global research community, bringing together diverse perspectives and fostering closer connections



between fundamental research, engineering innovation, and industrial applications. We warmly welcome researchers, academics, and industry professionals worldwide to share their innovative and impactful research. We believe that the journal's long-term growth and influence will depend not only on the dissemination of high-quality research but also on the active engagement and collective efforts of authors, editors, reviewers, and readers.

Finally, we extend our sincere gratitude to all editorial board members, reviewers, authors, and readers for their invaluable support. Their valuable contributions to scholarly evaluation, research dissemination, and the journal's development are essential to building a strong academic foundation. We look forward to the continued growth of *JHPAP* and its lasting contributions to advances in advanced alloys and processing technologies.

Conflict of Interest

The author declares that there is no conflict of interest.

About the Journal

The *Journal of High Performance Alloys and Processing (JHPAP)* is an international journal launched in 2026 and published quarterly by [ICJN Press](https://www.icjn.net). *JHPAP* Focuses on the dual pillars of advanced alloys and advanced processing technologies, the journal is dedicated to the design, fabrication, processing, modification, and

engineering applications of high-performance materials, including ferrous, non-ferrous, and high-entropy alloys. It integrates multiple disciplines, such as materials science and engineering, metallurgical engineering, and mechanical processing, and serves strategic sectors including aerospace, high-end equipment manufacturing, new energy, rail transportation, ocean engineering, and nuclear power. The journal aims to bridge the gap between fundamental research and engineering applications, address key challenges in technology translation, and support the development of critical materials. It seeks to establish a leading platform for the dissemination and exchange of high-quality research in advanced alloys and processing technologies. With a clear scope, full industrial-chain coverage, interdisciplinary integration, and strong application orientation, *JHPAP* prioritizes the publication of articles, key technologies and processes, short communications, commentaries, comprehensive reviews, and high-level engineering achievement. This focus distinguishes it from conventional materials or single-process journals. Ultimately, the journal aspires to advance both academic disciplines and the upgrading of high-end manufacturing industries.

JHPAP offers APC waivers before December 31, 2029.
<https://www.icjn.net/jhpap>

Editor-in-Chief

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