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# **Advances in Dissimilar Metal Joining and Welding**

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# **Message from the Guest Editors**

Journal of Manufacturing and Materials Processing presents a Special Issue focused on dissimilar metal joining and welding. This Special Issue examines the latest advancements and practical implications in joining different metals, metal polymer joints, and metal composite joints, crucial across industries like the automotive, aerospace, and electronics industries. Contributors explore diverse methods, including friction stir welding, laser welding, ultrasonic welding, and adhesive issues bonding, tackling such metallurgical as compatibility, thermal management, and joint integrity.

Through experimental manufacturing trials, material and joint mechanical characterization, numerical modeling, and advanced experimental characterization of dissimilar joints and structures, this Special Issue fosters scientific discourse and practical insights essential for developing efficient and sustainable dissimilar metal joining techniques. It serves as a platform to bridge theoretical understanding with real-world applications, facilitating the advancement of manufacturing technologies and materials science.

**Special**sue



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## Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (JMMP) (ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP*.

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