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Design and Development of Al Alloys and Composites

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Deadline for manuscript submissions:
closed (30 April 2022)

Message from the Guest Editors

Aluminium is an extremely versatile metal with plenty of advantages, including light weight, corrosion resistance, mechanical property, electrical and thermal conductivity, recyclability, etc., and it can be manufactured into a variety of shapes suitable for a range of applications. With great contributions from research institutes and manufacturing industries, a deeper and deeper understanding with a wider and wider range of achievements have been obtained in the field of composition design, manufacturing process, and microstructure characterisation, and we realise the properties of Al could be tailored based on the relationship between microstructure and properties.

We invite researchers to contribute to this Special Issue on the design and development of Al alloys and composites, which is intended to serve as a unique multidisciplinary forum covering broad aspects of materials design, manufacturing technology, solidification behaviour, microstructure characterisation, simulation, and machine learning in research and development of materials, to inspire the innovation in Al alloys and composites.

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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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