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## Preface of Volume 1 Issue 1 on Journal of Materials Exploration and Findings (JMEF)

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## **PREFACE**

Journal of Materials Exploration and Findings (JMEF) is a peer-reviewed publications that report on R&D discoveries and fundamental understanding of phenomena with potential significance, as well as those that explore solutions to current engineering challenges in materials and mechanical engineering or related fields.

The journal publishes original research papers written in English that contribute to a better comprehension of scientific concepts as well as the development of advanced scientific and technological practices. Papers can either provide a theoretical explanation (including computational explanations), an experimental observation and analysis, or a mix of both a theoretical explanation and an experimental analysis. The contribution must not have been previously published anywhere, and it should not be under consideration for publication anywhere else.

The JMEF always uses a conventional, double-blind review procedure for its papers. Due to the nature of the review procedure, neither the author nor the reviewer is aware of the other's identity. Because JMEF is an open-access journal, there are no fees assessed to readers, authors, or the institutions where they are affiliated in order to gain access to the journal's articles in its very first issue. The Metallurgical and Materials Engineering Department of the Faculty of Engineering at Universitas Indonesia is the publisher of this journal, which was initially released on August 15, 2022, and will continue to release new issues in August and February of each year.

In this issue, we published five original research papers. We received papers from researchers in some countries in the world, including Malaysia dan Indonesia and reviewers from Korea, Singapore, the USA, and Indonesia. We highlight the paper which uses artificial intelligence to sort properties of materials needed to design a new product in the case of polymer composite and the paper which use machine learning to predict the risk in offshore production facilities.

We are of the opinion that this issue will prove beneficial to the expansion and growth of scientific research and technological capabilities.

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