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Editorial

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Dry mineral processing: the new topic of XXXII international mineral processing congress

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The XXXII International Mineral Processing Congress (IMPC2024), the latest IMPC, will be held from September 30 to October 3, 2024 in Washington DC, USA. This event will draw together the world's leading experts to discuss, reveal and promote the latest advances in the science and technology of mineral processing. I am honored to be the co-chair for the session on Dry Mineral Processing, a new topic of the IMPC.

Dry processing has become increasingly important in the field of mineral processing. The IMPC 2024 will explore the latest developments and applications of dry processing technology in mineral processing, providing attendees with the latest research and achievements in this field. The conference will focus on the following issues:

- Dry Ore Sorting. It is a hot topic in the field of mineral processing, involving many different dry ore sorting technologies such as air flow sorting, electric sorting, and electrostatic sorting. This conference will focus on their performance and prospects in practical applications.

- Dry Grinding. It plays an important role in the field of mineral processing. The development and application are of great significance for improving processing efficiency and reducing costs.

- Dry Separation Technology. It is a technique for mineral separation without water and has been widely used in the fields of bauxite, coal, iron ore, and others, including magnetic separation and gravity concentration.

- Dry Flotation Technology. It is a new type of flotation technology that can be carried out without water. It has the advantages of saving water resources, reducing wastewater discharge, and lowering costs.

I would like to welcome researchers, engineers, and entrepreneurs from around the world to participate in this conference and explore the frontier development and applications of dry mineral processing technology. Attendees are also encouraged to submit their research results to the journal of *Minerals and Mineral Materials* to promote the wider dissemination and application of these new technologies. I believe that through exchanges and cooperation at this conference, we can promote the development of dry mineral processing technology and contribute to the sustainable development of the mining industry.

DECLARATIONS

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