



Mining and Mineral Processing Waste: Transition Towards a Circular Economy

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Message from the Guest Editors

Dear Colleagues,

More than 70 years ago, V. Vernadsky, who created the holistic doctrine of the Biosphere and the Noosphere, stated that “*Humankind is a geological force transforming the face of our planet*”. A vast amount of waste (e.g., mining tailing, mine drainage, etc.) has been generated globally during the last century as a result of mining and mineral processing, and this is expected to worsen with increasing resource and energy demand due to increasing population, industrialisation and urbanisation. The high amount of the materials mined or removed for extraction of Cu, Pb, Zn, Pb, Co, Au, Ag, and REE become waste. Therefore, the transition from the existing linear economy (take-make-dispose) to a circular economy in the mining and mineral processing industry (MMPI) is critical and timely. A holistic approach to integrating a circular economy, an alternative model of growth for a sustainable future, includes interconnection and developments in economics, environment, science, technology and innovation, government, society, and education.





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Message from the Editor-in-Chief

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