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Flotation Reagents

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Deadline for manuscript submissions:
closed (1 December 2019)

Message from the Guest Editor

"Without reagents there would be no flotation, and without flotation the mining industry, as we know it today, would not exist." Handbook of Flotation Reagents by Srdjan M. Bulatovic

Dear Colleagues,

Separation by froth flotation involves many types of reagents. Reagents are mainly used for treating the surface of ores and/or for improving conditions of operations for increasing flotation separation efficiency. Reagents can impact the pulp chemistry and make flotation a complex system involving the interaction of all additives (including collectors, depressants, activators, pH regulators, and frothers). The flotation reagents may remain on the products (slurry, tail, and concentrate) and lead to many environmental problems or have a great impact on downstream processes such as bioleaching. Therefore, fundamental knowledge of chemical reagents, the development of their new types, using them for different conditions, and minerals and surface chemistry studies in the presence of various reagents are typical and essential investigations in mineral processing.

Prof. Dr. Saeed Chehreh Chelgani
Guest Editor

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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

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