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# Interactions of Chemical Reagents with Clay Minerals

Guest Editor:

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Deadline for manuscript submissions: closed (25 January 2021)

#### Message from the Guest Editor

Dear Colleagues,

The presence of complex gangue like phyllosilicates is increasingly challenging for the mining industry. Clays negatively impact the different stages of mineral froth processing. including leaching. flotation comminution, solid-liquid separation, tailings handling and storage. Generally, clays are associated with lower recovery of valuable minerals in flotation and contamination of their concentrate, reduction of the permeability of heap leachings, increase of rheological properties of slurries, low settling rates in thickening operations, etc. Each of these stages involves specific chemical reagents that largely determine the efficiency of processes. decisive the and are in economic, environmental and social matters.

In this special issue, we are interested in improving the understanding of the interactions between the surface of clays with the various chemical reagents that are applied in the mining industry, including collectors, frothers, pH modifiers, polyelectrolytes, coagulants, rheological modifiers, dispersants, surfactants, etc.









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#### Message from the Editor-in-Chief

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