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Surfactants at Interfaces and Thin Liquid Films

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Deadline for manuscript submissions:
closed (15 June 2020)

Message from the Guest Editors

Dear Colleagues,

Thin liquid films, stabilized by surfactant adsorption layers, are the fundamental building blocks of any dispersed system with a liquid continuous phase. The stability of liquid films is a parameter of crucial importance for the properties of the dispersed system as a whole. Moreover, it controls the outcome of many important technological and industrial applications involving multiphase flows. One of the important examples of such processes is flotation separation, where the collision of gas bubbles with various interfaces, in the presence of reagents creating a favorable chemical environment, are the first fundamental step of the formation of bubble-particle aggregates and foam. We welcome submission of high-quality papers on the physicochemical aspects of the flotation separation process, such as experimental and theoretical studies on the stability of liquid films (foam and wetting) under static and dynamic conditions, the kinetics of bubble attachment to solid surfaces, solid surface wettability, surfactant adsorption, bubble and drop interfaces, and the hydrodynamics of bubbles and drops in surfactant solution.

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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