Special Issue

Recent Advances in Mechanics of Non-Newtonian Fluids

Message from the Guest Editors

Non-Newtonian (non-Linear) fluids are common in nature, for example, mud, honey, but also in many chemical, biological, food, pharmaceutical, and personal care processing industries. This Special Issue of Fluids is dedicated to the recent advances in the mathematical and physical modeling of Non-linear fluids with industrial applications, especially those concerned with CFD studies. These fluids include the traditional non-Newtonian fluid models, electro- or magneto-rheological fluids, granular materials, slurries, drilling fluids, polymers, blood and other biofluids, mixtures of fluids and particles, etc.

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