



## Special Issue on Rheology and Complex Fluids:

### Theory and Application

#### Call for Papers

Rheology is defined as the science of deformation and flow. In principle, this definition includes everything that deals with flow, such as fluid dynamics, hydraulics, aeronautics and even solid state mechanics. However, in rheology we tend to focus on materials that have a deformation behavior in between that of liquids and solids, i.e. with a “funny” material behavior. Rheology is an applied science, and its aim is twofold: Firstly, rheologists try to understand the relation between structure and flow properties. Secondly, by studying the material behavior using simple deformations, fundamental relations will be derived between deformation and force.

Rheology has applications in materials science and engineering, geophysics, physiology, human biology and pharmaceuticals. Materials science is utilized in the production of many important substances, such as cement, paint, and chocolate, which have complex flow characteristics. The science of rheology and the characterization of viscoelastic properties in the production and use of polymeric materials have been critical for the production of many products for use in both the industrial and military sectors.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Rheology and Complex Fluids: Theory and Application**.

Authors should read over the journal’s [Authors’ Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal’s [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue —Rheology and Complex Fluids: Theory and Application**” should be chosen during your submission.

According to the following timetable:

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#### Editor:

For further questions or inquiries

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