

Special Issue

Role of Water in Biological Systems

Message from the Guest Editors

Being the only natural liquid that exists on the surface of our planet in enormous quantities, water is the basis of life on Earth. Water is an active component of various biological processes ranging from enzymatic catalysis to protein folding, to the assembly of biological complexes, and to liquid–liquid phase transitions serving as a foundation of the biogenesis of various membrane-less organelles. To stress the inseparable link of biological processes with water, we have decided to launch a Special Issue titled “Role of Water in Biological Systems”.

In this Special Issue, we welcome the submission of papers focusing on both experimental and computational approaches. Fields of interest include but are not limited to the roles of water in protein folding, enzymatic catalysis, the assembly and functionality of biological complexes, liquid–liquid phase transitions in aqueous media, the partition of various solutes in formed phases, the biogenesis of membrane-less organelles, as well as the structure of bulk water, the structure of hydration shell water, and the solvent properties of water.

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