Water anomalies: from ice age to carbon

Marcia Babosa
Federal University of Rio Grande do Sul

Abstract

The anomalous properties of water are those where the behavior of liquid or solid water is quite different from what is found with other materials. Although it is an apparently simple molecule, it has a highly complex and anomalous character due to its hydrogen bonding. In this talk, we will present some of water anomalous properties, how they are related to our life and how some of the more recent anomalous behaviors can help to understand the water-biomolecules interactions as well as be employed to design new materials to clear water.