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Novel Physics Condensed Matter

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closed (30 November 2020)

Message from the Guest Editors

Dear Colleagues,

Condensed matter physics is an area with a high impact on the material sciences and material technologies. A field with strong future perspectives is the application of the fundamental principles of condensed matter physics to the development of “smart” materials. The progress in solvation and complex formation research is the basis for a better understanding of the complex problems of condensed matter physics at the nanoscale level. On the other hand, studying the new developments in nanotechnology opens new horizons in the physical chemistry of solvation and complex formation. Despite the evident success of modern materials science, the structure of molecular fluids and polymers confined in nanopores, and the effect of external stimuli and state parameters on the structure, the dynamics and conformational properties of molecules have not yet been studied well.

This Special Issue will contribute to solving problems of solvation and complex formation that occur as a result of the action of external stimuli, such as nanopores and any other confinement, electromagnetic fields, high and low parameters of state, and co-solvent concentration.

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Message from the Editor-in-Chief

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