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Advanced Design, Synthesis, and Application of Colloidal Suspensions of Magnetic Nanoparticles

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Message from the Guest Editor

Dear Colleagues,

Colloidal suspensions of magnetic nanoparticles, more commonly known as ferrofluids, have gained much notoriety in recent years due to their myriad applications, including magnetic resonance imaging (MRI) contrast enhancement, magnetic cooling, magnetic damping, magnetic filtration, and magnetic fluid hyperthermia. In this Special Issue, we bring together a collection of works highlighting novel synthesis methodologies, innovative techniques for producing colloidal suspensions of magnetic nanoparticles, new materials, and unique applications of ferrofluids. Full papers, communications, and reviews are all welcome.

Prof. Dr. Ronald J. Tackett
Guest Editor





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Message from the Editor-in-Chief

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