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

Guest Editor:

Prof. Ronald J. Tackett

Department of Physics, Kettering
University, Flint, MI, USA

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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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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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