



Synthesis Nanoparticles, Characterization and Application in Biotechnology

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is focused on the synthesis, characterization, and applications of magnetic nanoparticles and magnetic nanosystems in biotechnology. Research results on the preparation of metals, oxides, ferrites, organometallic compounds, micelles, and magnetic fluids by dispersion, ablation, synthesis, and physical methods will be published. The characterization of nanoparticles could be provided by methods of IR spectroscopy, XRD, SEM, TEM, SAXS, and other new methods.

Humankind is looking for technologies that allow people to live in harmony with nature. Industrial growth leads to dangerous pollution that can be reduced through harmonious technologies. Nanotechnologies can improve human health, but the toxicity of nanoparticles should also be widely discussed.

Any contribution to solving the mentioned problems will be interesting.

Keywords:

- **magnetic nanoparticles**
- **nanotechnology**
- **biotechnology**
- **biochemistry**
- **synthesis**
- **characterization**

