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### Synthesis of Magnetic Nanocomposites and Their Potential Applications: A Review

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#### **ABSTRACT**

*In present review article I have reported the field of Nanotechnology under worldwide research is the subset of magnetic Nano-materials like nano-composites, nano-thin films etc. In this review, discussed the importance of magnetic nanocomposite and their unique application for technological advances, and explain the bottom-up synthesis of magnetic nano-composites by various methods like Sol-gel or co-precipitation method. Some of the current updates were described and research for application of these magnetic nanocomposites.*

**Keywords:** Magnetic-Nanocomposite, Sol gel method, Co-precipitation, Thermal decomposition and Applications.

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