

## عنوان مقاله:

Review on Green Synthesis of Iron-Based Nanoparticles for Environmental Applications

## محل انتشار:

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## خلاصه مقاله:

The use of effective and environmentally acceptable synthetic processes or procedures for the synthesis of nanomaterials is expanding substantially as a result of the nanotechnology relevance and its influence on numerous disciplines, as seen in the recent advancements in the field. This paper is a review of the published literature on the subject of environmentally friendly production of iron-based nanoparticles. In contrast to many conventional methods for the nanomaterials synthesis, the plant-mediated synthesis appears to be a highly intriguing and ecologically benign method. This is because of its simple methodology and eco-friendly approach. The created nanoparticle is simpler to manufacture, more stable, and effective in a range of application areas, as compared with conventional methods of synthesis. As a result, this analysis includes details on the various sources used so far and how the materials were created to be used in environmental applications, paying particular focus on the iron-based nanoparticles.

## کلمات کلیدی:

Green synthesis, Iron-based, Environmental application, Characterization, Nanoparticle

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