

Green Synthesis of Biological Magnetic Eggshell Nanocomposite and Investigation of Its Magnetic Properties

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The Magnetite eggshell nanocomposite was synthesized using the antioxidant contents of the aqueous extract of the lemon in a green root and eggshell wastes through an environmentally friendly mechanism. The characterization of nanocomposite and also its magnetic properties was using surface analysis techniques such as FE-SEM, TEM, EDS and VSM. The facile and clean synthesis, simple preparation procedure, excellent properties, alterable supports and low cost allow them to act as biological supported magnetic nanostructures for application in science and industry.