

## عنوان مقاله:

Review on MgO nanoparticles multifunctional role in the biomedical field: Properties and applications

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## خلاصه مقاله:

Nanotechnology has introduced many useful uses to people's lifestyles in various fields such as health care, agriculture, the food industry, and separate industries during the previous few decades, and it is now available to the majority of the world's population. Among these applications, nanotechnology is critical in the realm of medical therapy. Many forms of studies indicate that nanoparticles, particularly metal oxide, can make a significant contribution to this field. In the current work, we examined one of them, MgO, a critical inorganic oxide used in a variety of applications. MgO is a multilateral oxide material with several properties, including great thermodynamic stability and a low refractive index and dielectric constant. The wide bandgap allows for a variety of uses in ceramics, catalysis, hazardous waste remediation, and antibacterial materials as a refractory additive paint and as a superconductor product. MgO NPs have been used in a variety of disciplines due to their extensive properties and functions, which we will discuss in this article.

## کلمات کلیدی:

Cancer Treatment, Antibacterial activity, Catalysis, Tissue engineering, Nanoparticles Cytotoxicity

## لینک ثابت مقاله در پایگاه سیویلیکا:

