

## عنوان مقاله:

Biological Efficacy of Green Synthetized Zinc OXide Nanoparticles against Diabetes: A Review

## محل انتشار:

اولین کنفرانس بین المللی زیست شناسی گیاهان دارویی (سال: 1401)

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## خلاصه مقاله:

The number of diabetic patients is increasing over the world. Development of new natural products and drugs without adverse side effects is still in demand to manage diabetes. The correlation of diabetes and an imbalance in zinc homeostasis have been proved previously. Zinc oxide nanoparticles (ZnONPs) may be a novel agent to deliver zinc to diabetic patients. Here, we reviewed the green synthesized ZnO NPs applied for their potential antidiabetic effects in recent studies. Present study suggest that green synthesized ZnO NPs have glucose lowering and anti-inflammatory effects via the decrease in the expression of proinflammatory cytokines tumor necrosis factor- $\alpha$ , interleukin- $\epsilon$ , and interleukin- $\beta$ .

## کلمات کلیدی:

Anti-diabetic effect, Zinc, Nanoparticle, Green synthesis, Biosynthesis

## لینک ثابت مقاله در پایگاه سیویلیکا:

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