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Green synthesis of Magnesium Hydroxide $Mg(OH)_2$ NPs and Magnesium Oxide MgONPs nanoparticles using *Olea europea* leaf extract

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Green synthesis approach to synthesize magnesium hydroxide (MgHNPs) and magnesium oxide (MgONPs) nanoparticles using *Olea europea* leaf aqueous extract in one-pot reaction. The synthesized magnesium hydroxide and oxide nanoparticles were characterized by X-ray diffraction (XRD), Fourier transform infrared (FT-IR), Scanning electron microscopy (SEM) and energy dispersive X-ray spectroscopy (EDS).

Keywords: Green synthesis, Magnesium hydroxidenanoparticles, Magnesium oxide nanoparticles, *Olea europea* leaf extract.

Biography:

The presenter Alaa Y. Ghidan, the PhD Student at the Jordan University, and she has two publications about the same field of nanotechnology, synthesis as an eco-friendly method.