

## عنوان مقاله:

Synthesis and characterization of Ag doped Cobalt Ferrite nanocomposite

## محل انتشار:

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## خلاصه مقاله:

Nanomaterials are attracted a great deal of attention from scientific community due to its unique properties and applications. The small size ferrites have opened the door for intensive research to utilize their properties for biomedical applications. Cobalt ferrite nanomaterials and its silver doped (Ag-doped) nanocomposites have been prepared using solid state combustion method. This combustion method was carried out using polyvinyl alcohol (PVA) as a fuel for combustion reaction. The structure of the prepared cobalt ferrite and its silver nanocomposites were characterized by using X-ray diffraction (XRD) tool and morphology by Scanning Electron Micrograph (SEM) tool respectively. Bonding nature of the sample was studied by Fourier transfer infra-red (FT-IR) studies. Presence of the metals in the composites was confirmed by Energy dispersive X-Rays (EDX) pattern

## کلمات کلیدی:

Ag doped, Cobalt ferrite, Energy dispersive X-Rays (EDX), Fourier transfer infra-red (FT-IR), Scanning Electron Micrograph (SEM), X-ray diffraction (XRD)

## لینک ثابت مقاله در پایگاه سیویلیکا:

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