

## عنوان مقاله:

Application of nano compounds for the prevention, diagnosis, and treatment of SARS-coronavirus: A review

محل انتشار:

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## خلاصه مقاله:

Coronavirus disease, also called COVID-19, a universal health concern, has affected more than Yoo countries afterits declaration as a pandemic on 1) March YoYo by the World Health Organization, WHO. COVID-19 results due to SARS-CoV-Y entrance into the epithelial cells of the human's lung. Recently, nanotechnology has turned to be great promising method used in the medical field regarding viruses. By mitigating infection, nanotechnologyplays an important part in the diagnostics, prevention, and therapeutic approaches for controlling COVID-19. The development of nanomaterials for viral disease is based on preventive measures and disinfectants, diagnosticdevices, and therapeutic drugs or vaccines to transfer antiviral drugs into the human body. Being at the samescale as viruses, nanoparticles can replicate the functional and structural properties of viruses, and nanomaterialscan be the best substitute for developing vaccines. A broad range of nanostructures, including gold, silver, zinc,graphene, carbon, liposomes, and .polymeric compounds, have antiviral activity and can be employed in vaccinedevelopment or inactivation of the virus

## کلمات کلیدی:

SARS-coronavirus, Nanocompounds, COVID-19, Nanotechnology

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