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Role of Nanotechnology during Covid enigma

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Abstract

Nanoantimicrobials are a concept since 2004.They can also be exploited as point of carediagnostics, therapeutic carriers and development of vaccines. Different formulations and different nanostructures which contain silver,copper and zinc will prove to be helpful inpreventing and limiting the contamination of this virus.In few studies copper was potent enough to inactivate the virus in a short span of time and the rate of inactivation is directly proportionate to the percentage of copper present. This can even be helpful in upgrading thequality of PPE (personal protection equipment) which will exhibit better shielding quality.This will induce more sterility to surfaces also.The metallic nanoparticles might act as ion reservoirs for the bioactive ion release.Silver nanoparticles are also researched for their viricidal activity.Nanotechnology will definitely come up with solutions for SARS-CoV 2

Biography:

Dr Saba Siddiqui is presently working as Head of department at Integral university. Her major subject is microbiology and her accomplishments are as under 1. Gold Medal by Saket Mahavidiyalay Faizabad in 2005, for 1st position in M. Sc (Botany). 2. Chancellor Gold Medal by Dr. R.M.L. Awadh University for 1st position in University in M. Sc (Botany). 3. Gold Medal by A.M.U Aligarh For 1st position in M. Sc. (Agricultural Microbiology) 4. Award of Academic Excellence by Women's College A.M.U. Aligarh. 5. Medal for Merit in U.P. by Madhayamik Siksha Parishad Allahabad for 19th position in intermediate. 6. Medal for Merit in U.P. by Madhayamik Siksha Parishad Allahabad for 11th position in high school.

Speaker Publications:

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