

New Approaches to Overcome the Problems of Antibiotic Resistance by Microorganisms

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Abstract

Through recent decades, the highest use of antibiotics within agriculture, animal food, treatment, has led to the prevalent development of antimicrobial resistance in our community.

An increasingly popular alternative to antibiotics is bacteriophages to control bacterial diseases, and also a recent research has shown the capability of Hydrophilic Nanoparticles that kill Bacteria while sparing mammalian cells reveal the antibiotic role of Nanostructures.

The unique bactericidal Properties of bacteriophage makes them an ideal alternative to antibiotics, as many countries begin to restrict the usage of antibiotics in agriculture and certain other product. On this webinar, we will be discussing on the possible ways to concentrate in order to overcome the problem of antibiotic resistance, which is the problem threatening the current peace of our health. The benefits and challenges of phage therapy reveals the potential for phages to control bacterial populations, and also the mode of action for nanoparticle as a possible replacement for antibiotic.

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Biography

Musab Umar Abubakar works in Mewar University, India.