Biotechnology and Microbiology

June 28-29, 2018 | Amsterdam, Netherlands

Use of nanoplates for detection of pathogenic bacteria in water tubes

Ahmed Mokhtar Ramzy Suez Canal University, Egypt

Nanomaterials are the foundation of nanotechnology and are anticipated to open new avenues to numerous emerging technological applications. Nanotechnology has grown very fast in the past two decades because of the availability of new approaches and tools for the synthesis, characterization of freshwater resources, seawater is becoming a recognized source for drinking water, as freshwater becomes significantly scarce. We use the iron oxide nanoplates carried with specific virus that detect the pathogeneic bacteria (*Escherichia coli*) in water tube as a indicator for the pathogeneicity of the water tube and as method for choosing the suitable way for water purification.

ahmedmokhtar2800@gmail.com