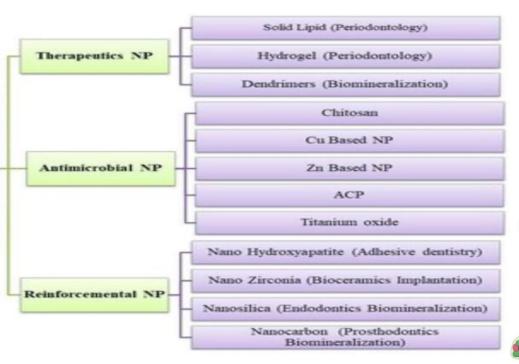






## EFFECT OF NANOPARTICLES ON POLYMICROBIAL BIOFILMS IN ENDODONTICS

**NANOMATERIALS** offer unique physicochemical properties due to their larger surface-to-volume ratio and a higher number of atoms present near the surface. These advantages can be leveraged to design specific materials capable of interacting with tissues to achieve maximum antimicrobial efficacy with minimal toxicity possible



## SILVER NANOPARTICLE

S – release of ag+
ions that interact with
bacterial cell
membranes and
cause disruptions and
damage to DNA and
enzymatic functions

