

Supplementary Materials: Silica-Gentamicin Nanohybrids: Synthesis and Antimicrobial Action

Dina Ahmed Mosselhy, Yanling Ge, Michael Gasik, Katrina Nordström, Olli Natri and Simo-Pekka Hannula

X-ray Diffraction (XRD) Analysis of the Native SiO₂ NPs and SiO₂-Gentamicin Nanohybrids

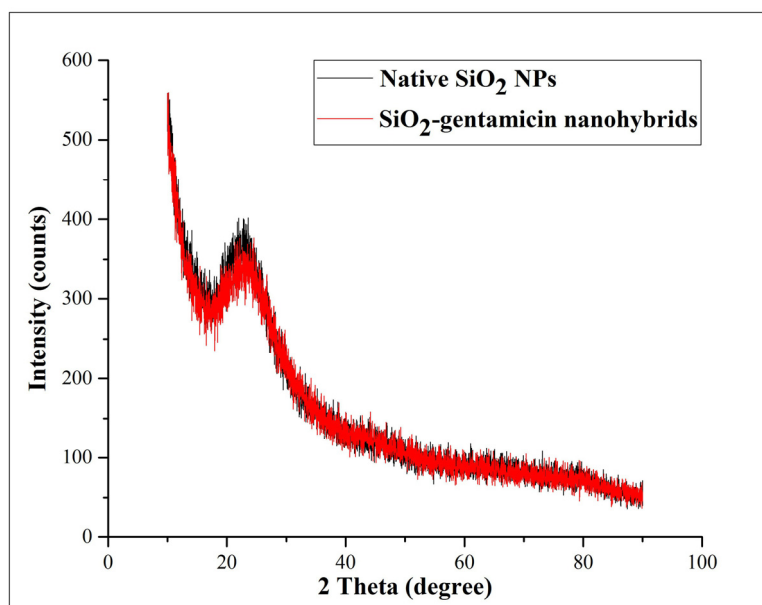


Figure S1. X-ray diffraction (XRD) patterns of the native SiO₂ NPs and SiO₂-gentamicin nanohybrids.

Agar Diffusion Assay of the SiO₂-Gentamicin Nanohybrids and Free Gentamicin

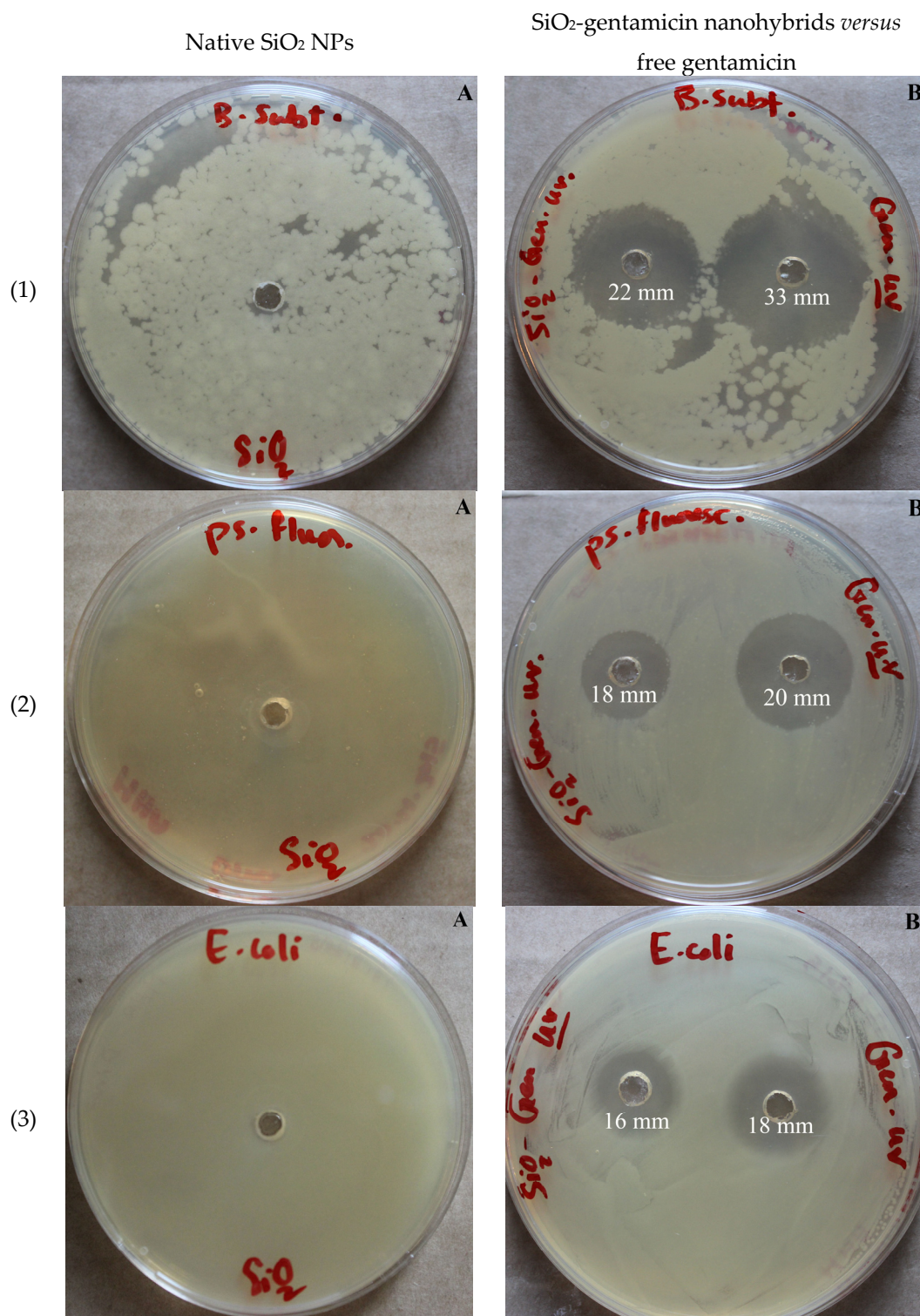


Figure S2. Antimicrobial activity of the: (A) native SiO₂ NPs; and (B) SiO₂-gentamicin nanohybrids *versus* free gentamicin against: (1) *B. subtilis*; (2) *P. fluorescens*; and (3) *E. coli*.