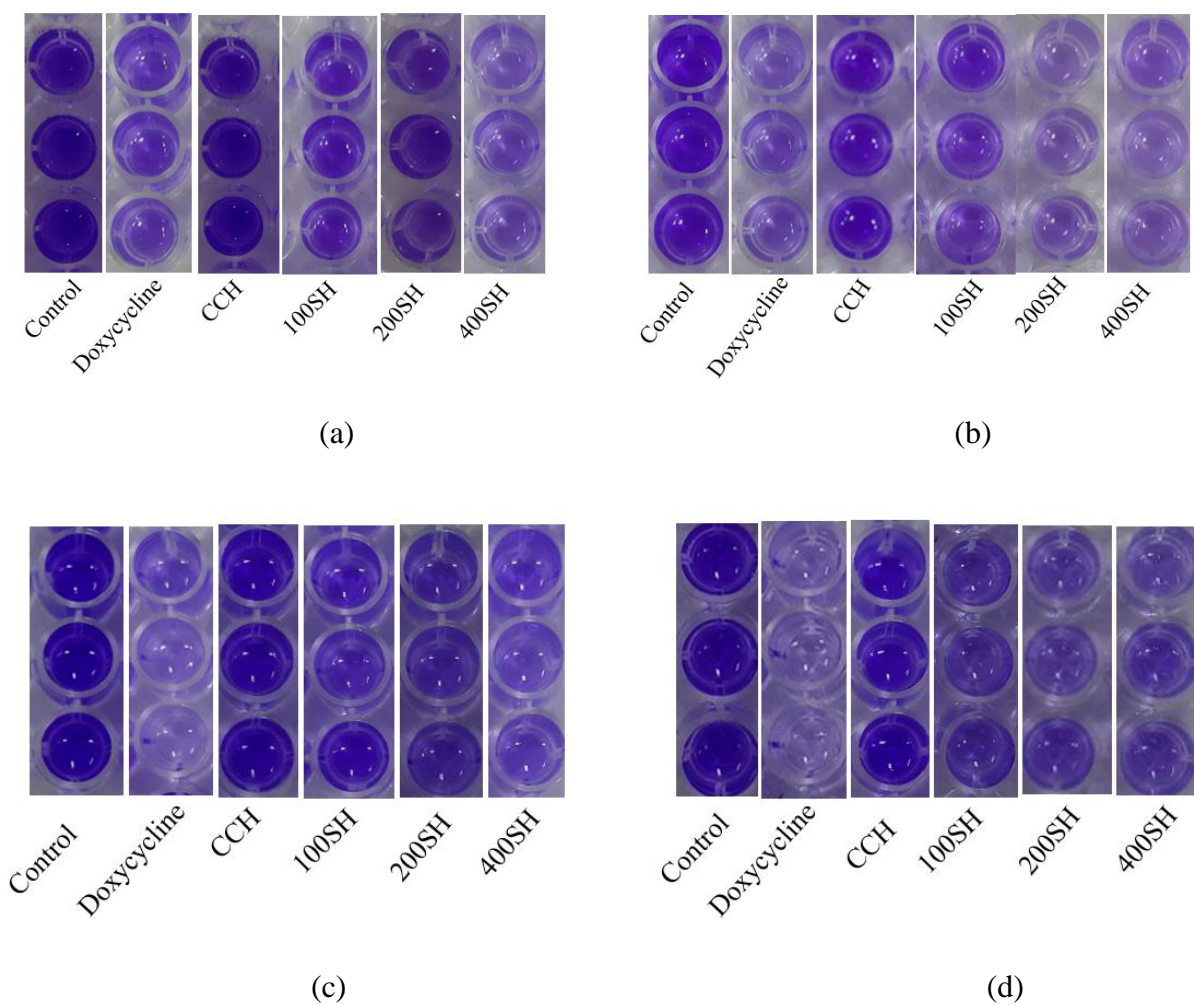


# Therapeutic Effects of Antibiotics Loaded Cellulose Nanofiber and $\kappa$ -Carrageenan Oligosaccharide Composite Hydrogels for Periodontitis Treatment

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**Figure S1:** Visualization of the inhibition of biofilm (a) *Porphyromonas gingivalis*, (b) *Streptococcus mutans*, (c) *Fusobacterium nucleatum*, and (d) *Pseudomonas aeruginosa* by crystal violet assay. The samples were stained with 0.1% crystal violet and the absorbance was measured at 595 nm. CCH:  $\kappa$ -carrageenan oligosaccharides linked cellulose nanofibers

hydrogel, 100SH: 100 mg surfactin and Herbmedotcin loaded hydrogel, 200SH: 200 mg surfactin and Herbmedotcin loaded hydrogel, and 400SH: 400 mg surfactin and Herbmedotcin loaded hydrogel. Control: only bacteria.