

Antibiofilm Activities of Cinnamaldehyde Analogs against Uropathogenic *Escherichia coli* and *Staphylococcus aureus*

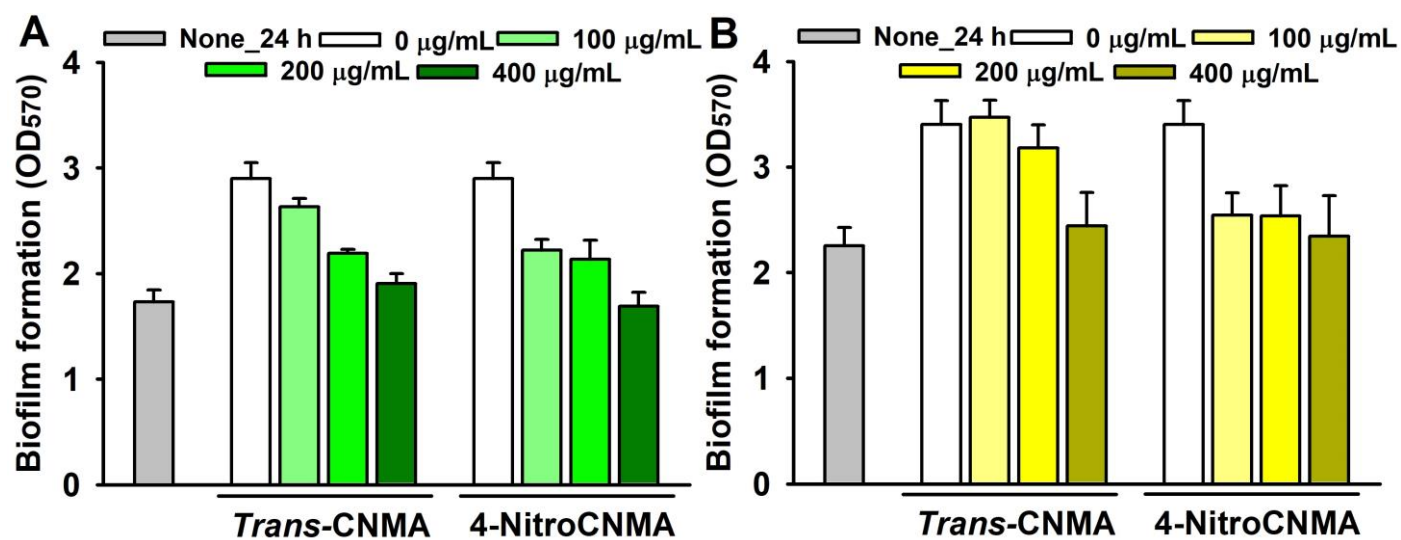
Yeseul Kim ^{1,†}, Sanghun Kim ^{1,†}, Kiu-Hyung Cho ², Jin-Hyung Lee ^{1,*} and Jintae Lee ^{1,*}

¹ School of Chemical Engineering, Yeungnam University, Gyeongsan 38541, Korea; yeseul@ynu.ac.kr (Y.K.); minimo017@ynu.ac.kr (S.K.)

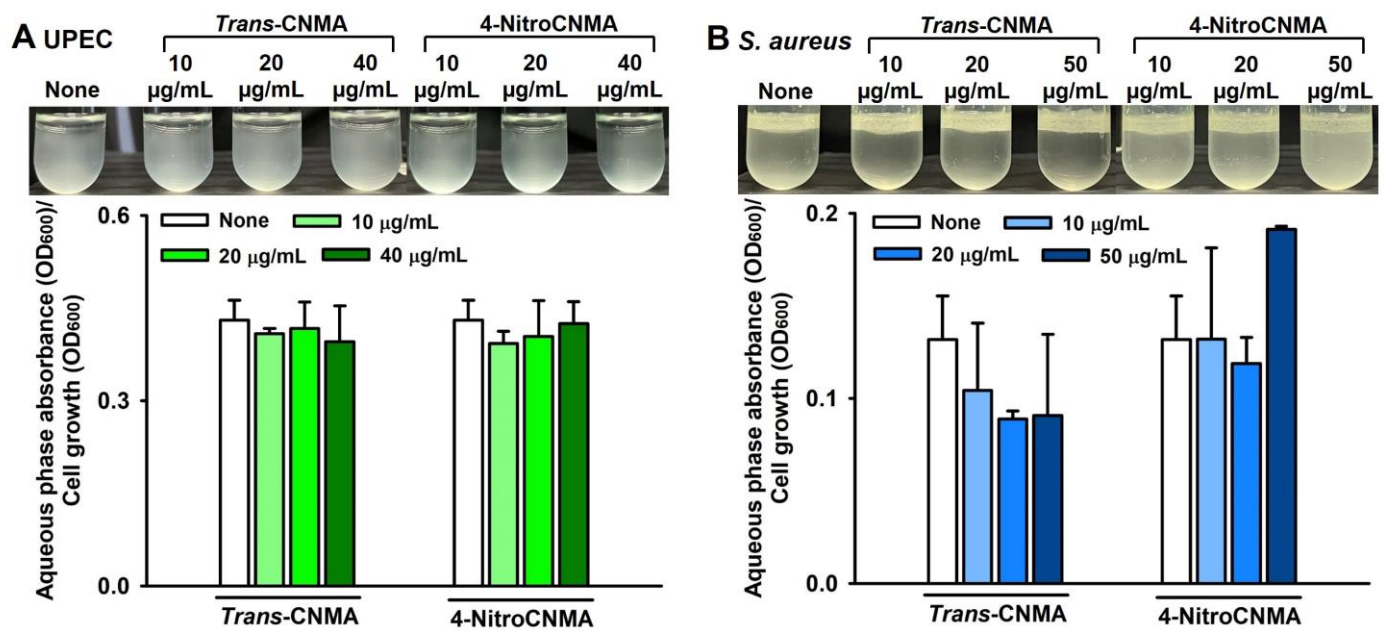
² Gyeongbuk Institute for Bioindustry, Andong 36618, Korea; khcho68@gmail.com

* Correspondence: jinhlee@ynu.ac.kr (J.-H.L.); jtleee@ynu.ac.kr (J.L.); Tel.: +82-53-810-3812 (J.-H.L.); +82-53-810-2533 (J.L.)

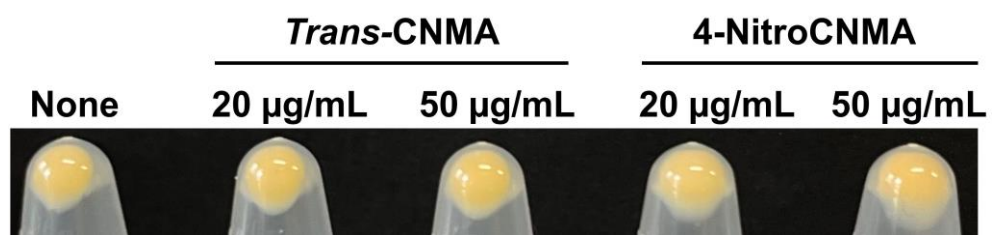
† These authors contributed equally to this work.



Supplementary Figure S1. Effects of *trans*-CNMA and 4-nitroCNMA on biofilm dispersal. Preformed biofilms of UPEC grown in NB medium (**A**) and of *S. aureus* grown in LB medium (**B**) for 24 h (grey bar) were treated with *trans*-CNMA or 4-nitroCNMA for 24 h. Biofilm formation was measured by crystal violet staining.



Supplementary Figure S2. Effects of *trans*-CNMA and 4-nitroCNMA on the hydrophobicity of UPEC (**A**) and *S. aureus* (**B**). Cell surface hydrophobicity of UPEC and *S. aureus* after treatment with or without *trans*-CNMA or 4-nitroCNMA at 10, 20 or 40 $\mu\text{g/mL}$ (*S. aureus* 10, 20 or 50 $\mu\text{g/mL}$).



Supplementary Figure S3. Effects of *trans*-CNMA and 4-nitroCNMA on the production of staphyloxanthin in *S. aureus*.