

Supplementary Information

NIR light-activated Nanocomposites Combat Biofilm Formation and Enhance Antibacterial Efficacy for Improved Wound Healing

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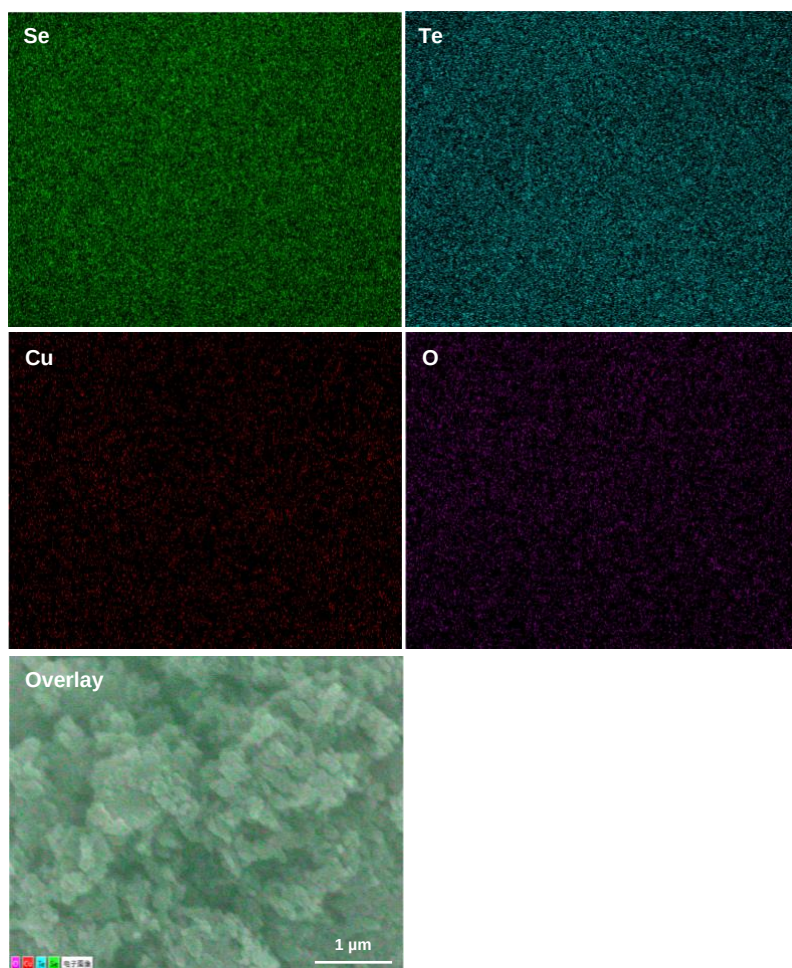
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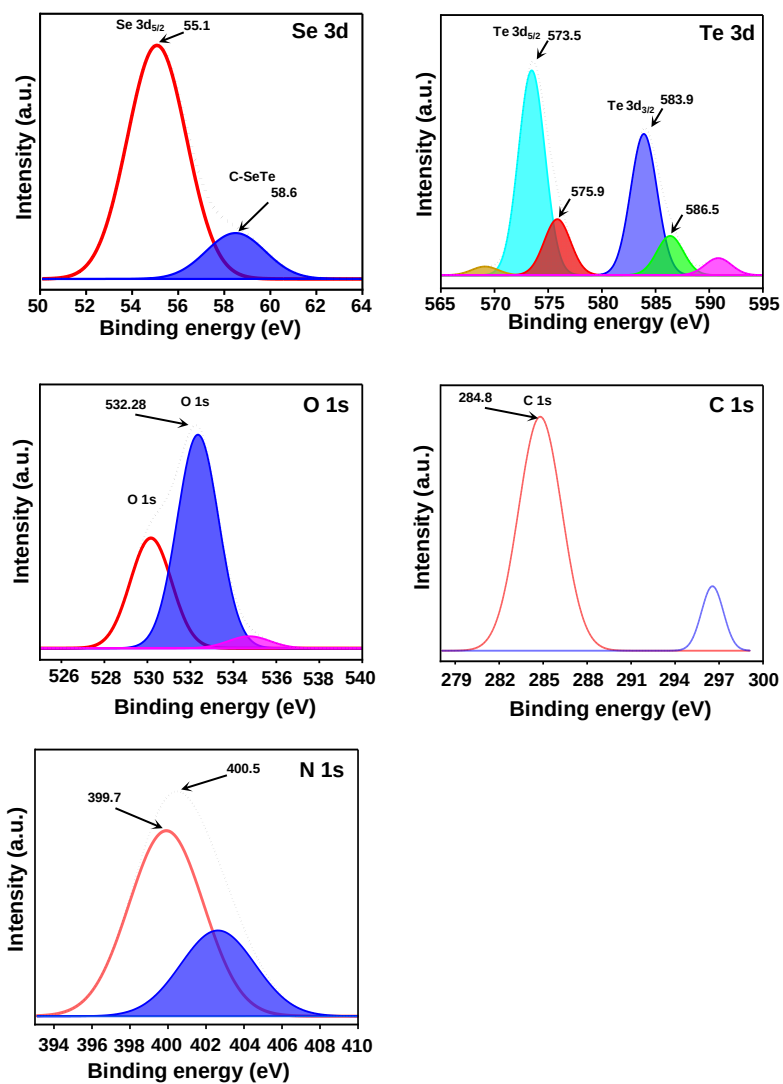
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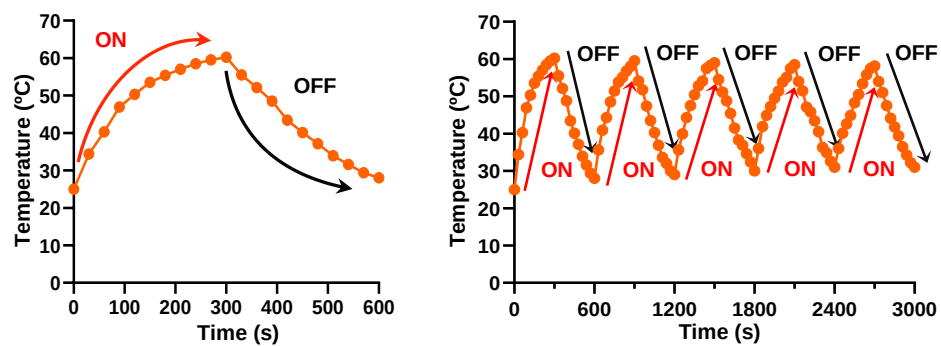
⁶ Both authors contributed equally to this work.



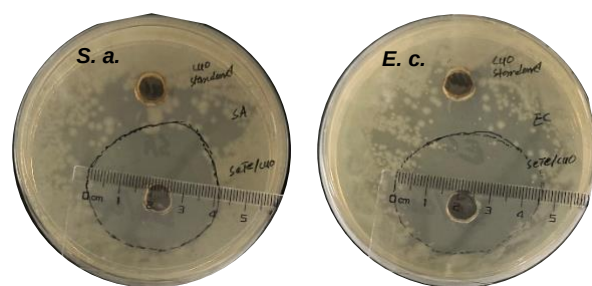
Supplementary Figure 1. EDS pictures of SeTe-CuO NPs.



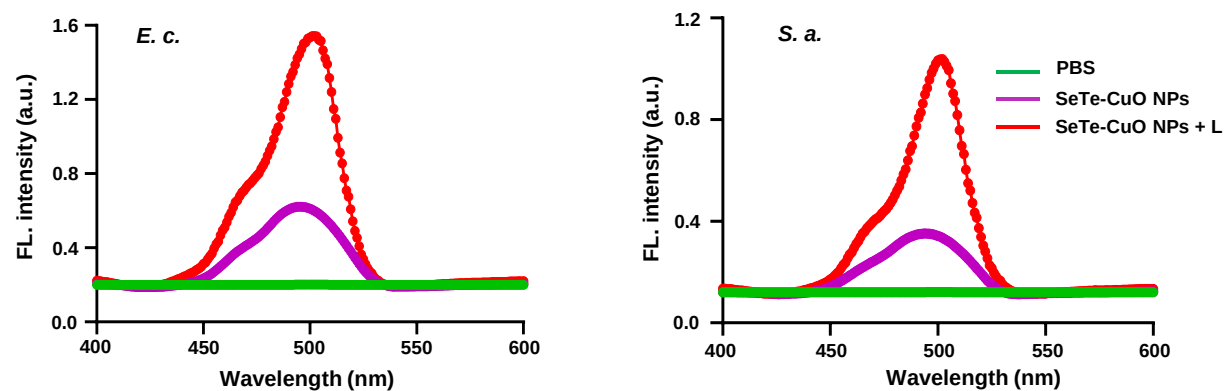
Supplementary Figure 2. XPS elemental spectra of SeTe-CuO NPs.



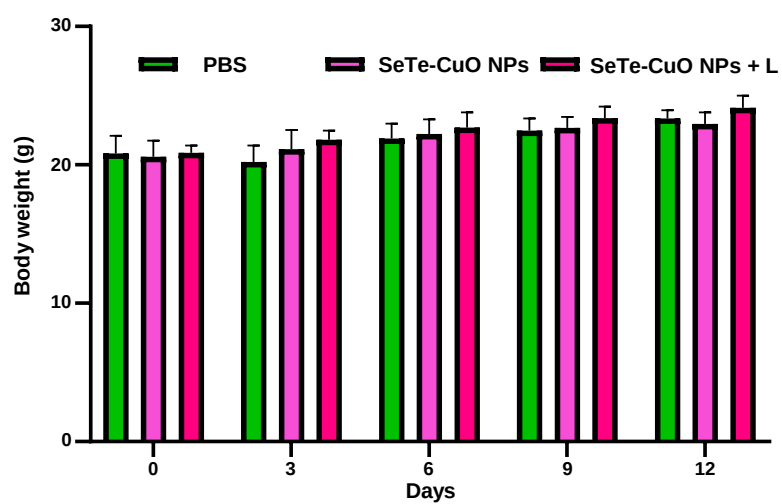
Supplementary Figure 3. Single and five consecutive cycles of SeTe-CuO NPs + L with 5 min NIR laser irradiation ON and then OFF.



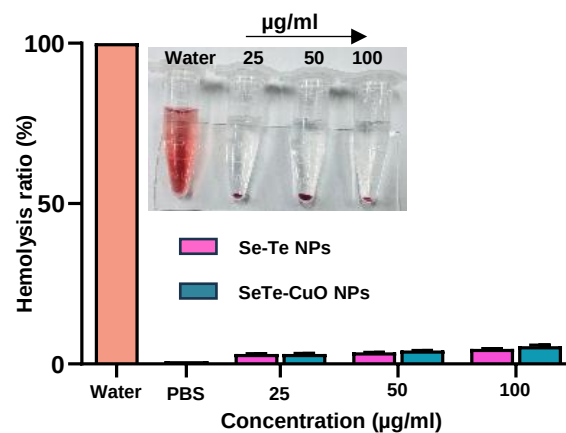
Supplementary Figure 4. Zone of inhibitions of SeTe-CuO NPs against *S. aureus* and *E. coli*.



Supplementary Figure 5. Fluorescence intensities (FL) of intracellular ROS generation of *E. coli* and *S. aureus* after treatment with SeTe-CuO NPs and SeTe-CuO NPs + L.



Supplementary Figure 6. Body weight of mice after treatment with PBS, SeTe-CuO NPs and SeTe-CuO NPs + L. The data represent mean values and the error bars correspond to standard deviations.



Supplementary Figure 7. Hemolysis ratio of the mice blood samples after treatment with Se-Te NPs and SeTe-CuO NPs. The data represent mean values and the error bars correspond to standard deviations.