

SUPPORTING INFORMATION

Investigating the Photothermal Disinfecting Properties of Light Activated Silver Nanoparticles

Jenna MacPhee, Tracy Kinyenye, Brian J. MacLean, Erwan Bertin,*[§] Geniece L. Hallett-Tapley[§]

*Department of Chemistry, Saint Francis Xavier University, 5009 Chapel Square
Antigonish, Canada B2G 2W5*

*Corresponding Author: ebertin@stfx.ca

[§] Both authors contributed equally

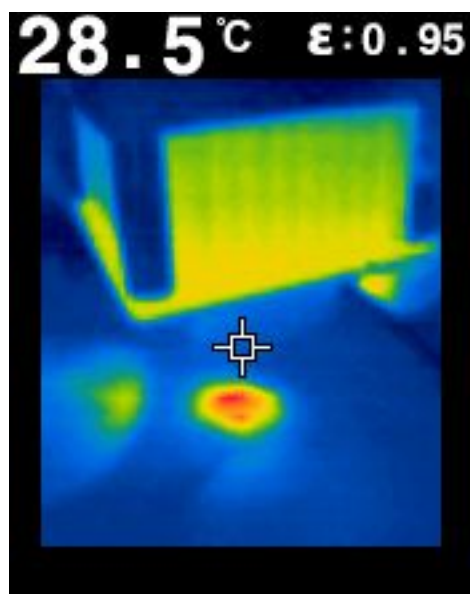


Figure S1: Temperature measurement on the labcoat, uncoated, at 3 cm, illuminated with 7 LEDs. Note the lab coat is the lower circular area, whereas the square one in the upper half of the image is the LED assembly.

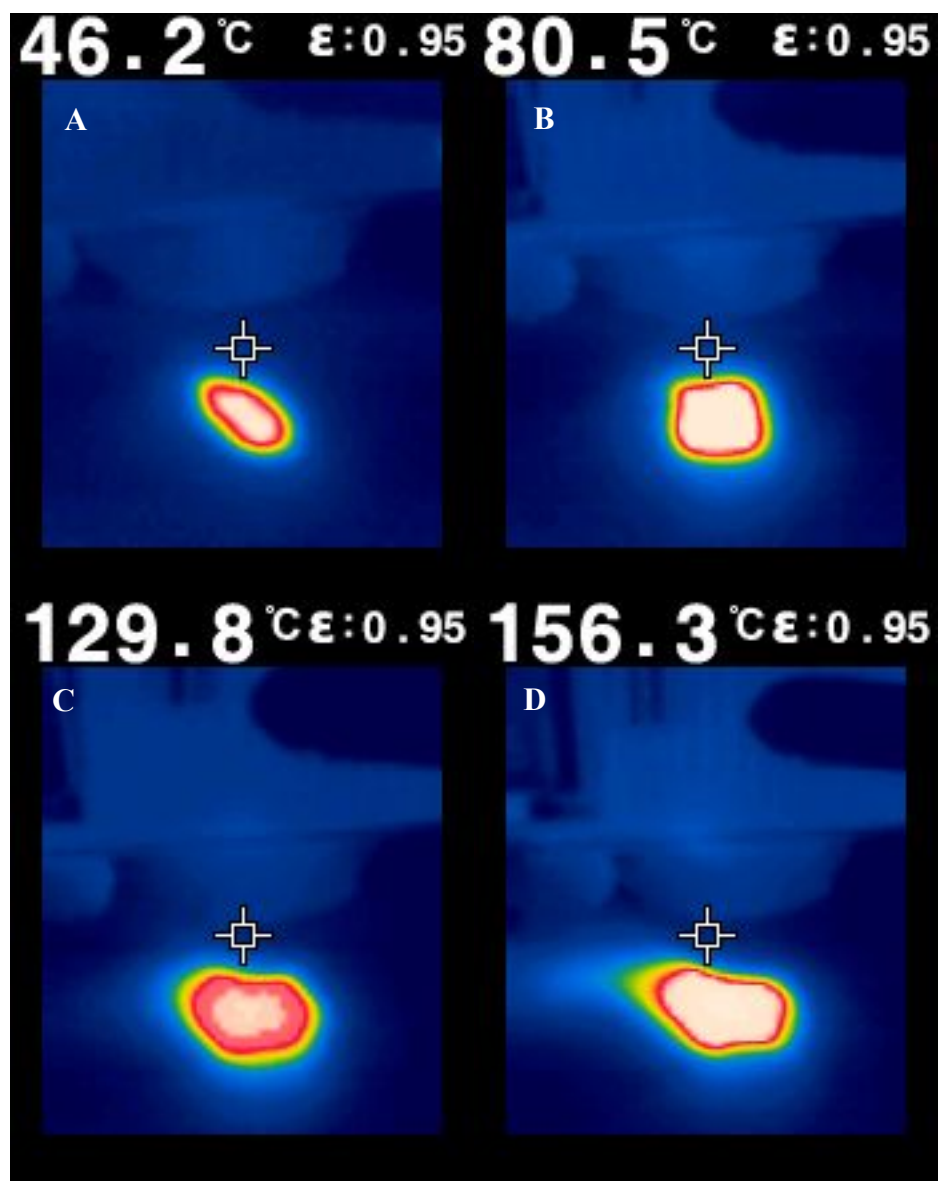


Figure S2: Representative images from the thermal camera a coated lab coat using hv AgNPs ($5 \pm 1 \mu\text{g}/\text{cm}^2$) taken at 3 cm using 2 (A), 4 (B), 6 (C) and 7 (D) LEDs.

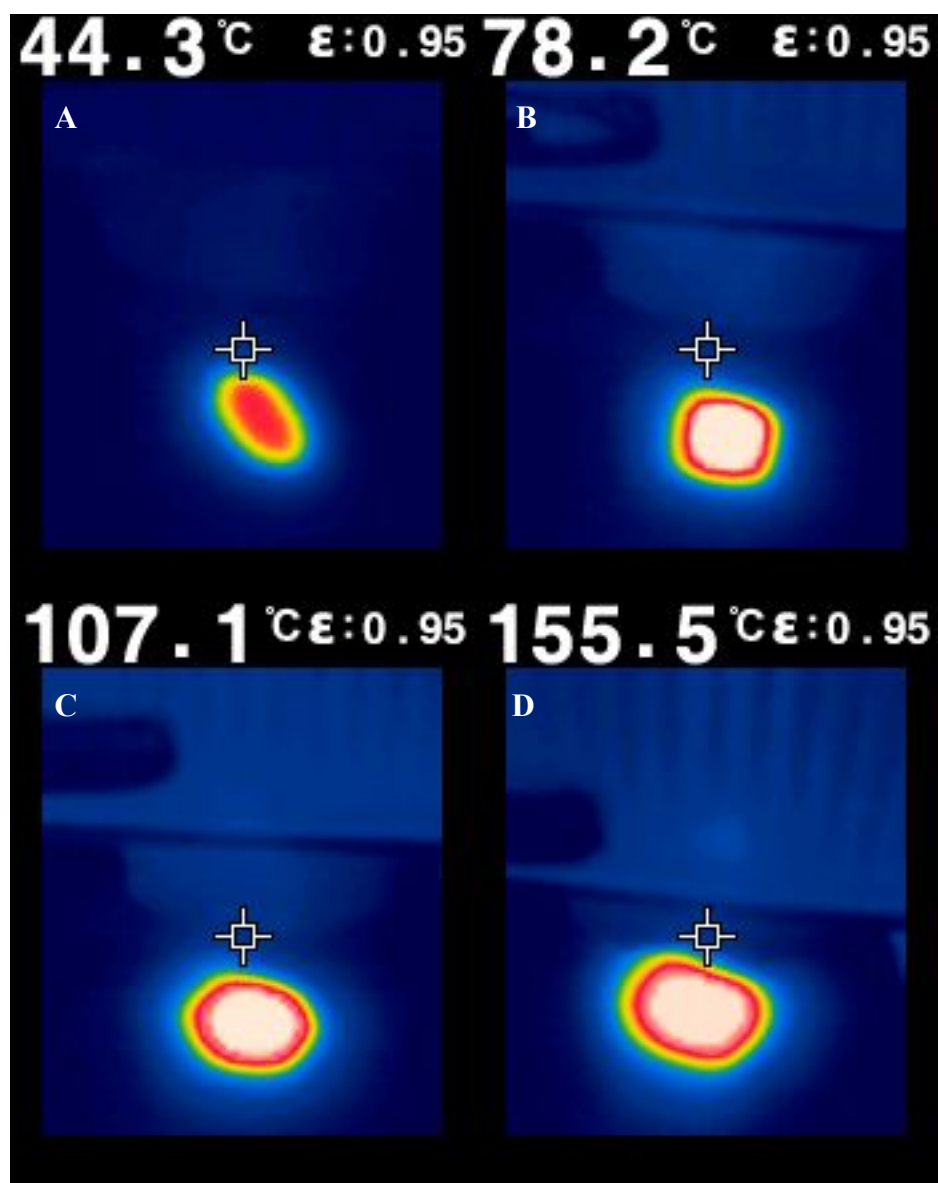


Figure S3: Representative images from the thermal camera a coated lab coat using PLAL AgNPs ($3 \pm 1 \mu\text{g}/\text{cm}^2$) taken at 3 cm using 2 (A), 4 (B), 6 (C) and 7 (D) LEDs.

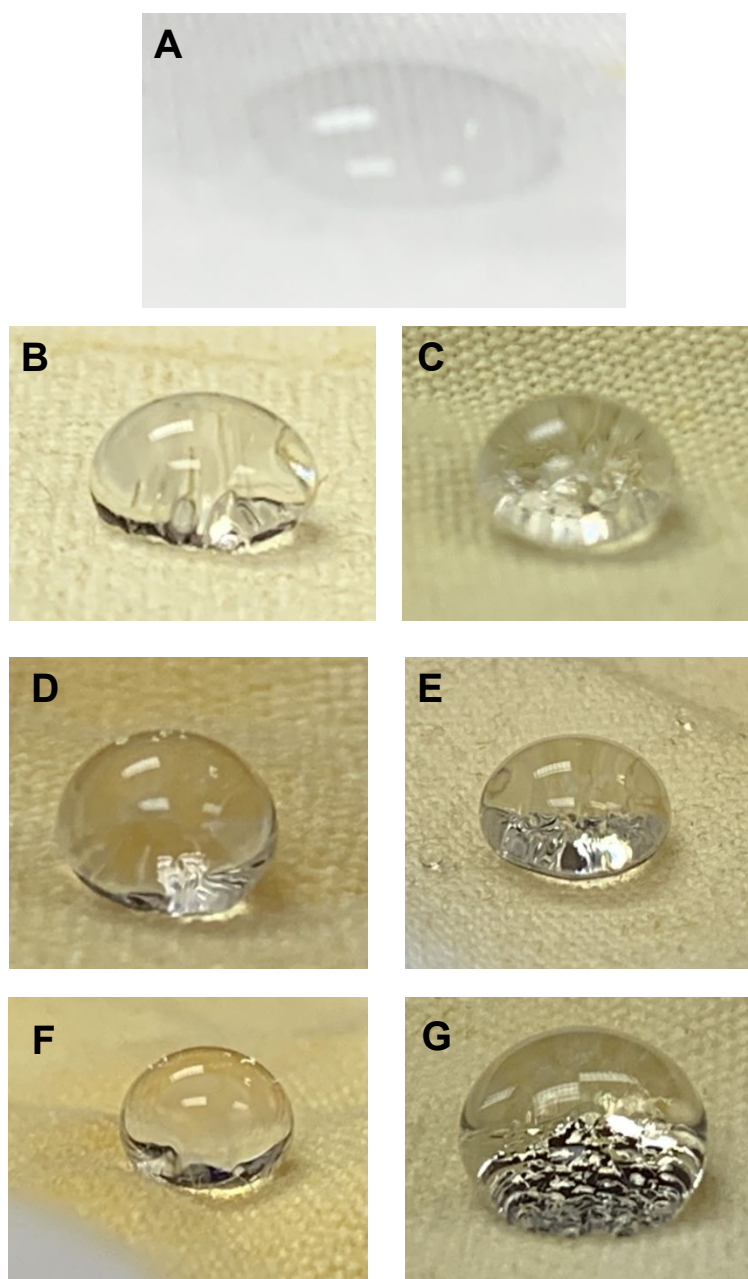


Figure S4: Wettability assessment of (A) an uncoated lab coat, (B) as prepared PLAL AgNP, (C) as prepared hv AgNP, (D) PLAL AgNP after 4 washes, (E) hv AgNP after 4 washes, (F) PLAL AgNP after 9 washes and (G) hv AgNP after 9 washes.