

Supplementary Materials

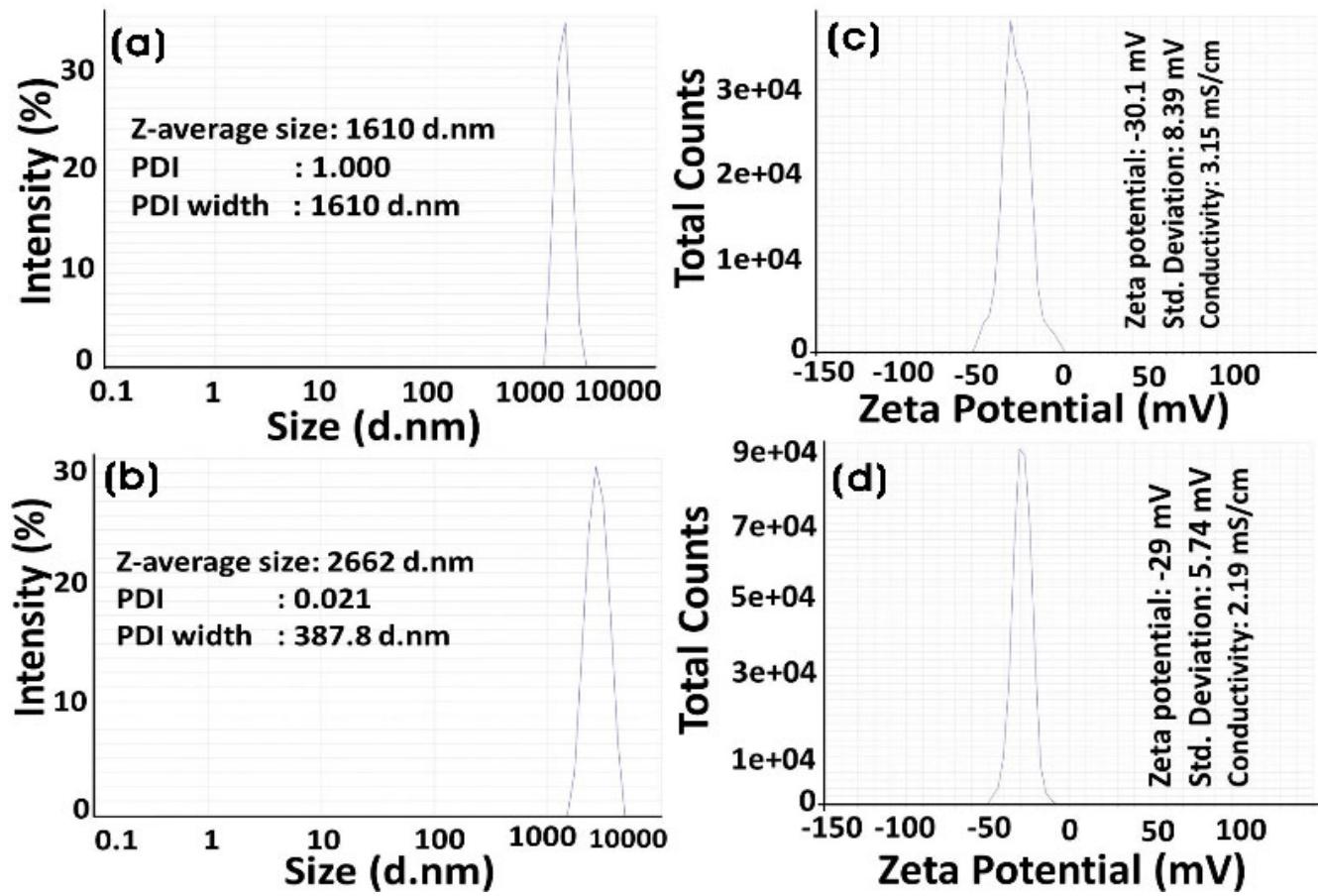
Photocatalytic Degradation, Anticancer, and Antibacterial Studies of *Lysinibacillus sphaericus* Biosynthesized Hybrid Metal/Semiconductor Nanocomposites

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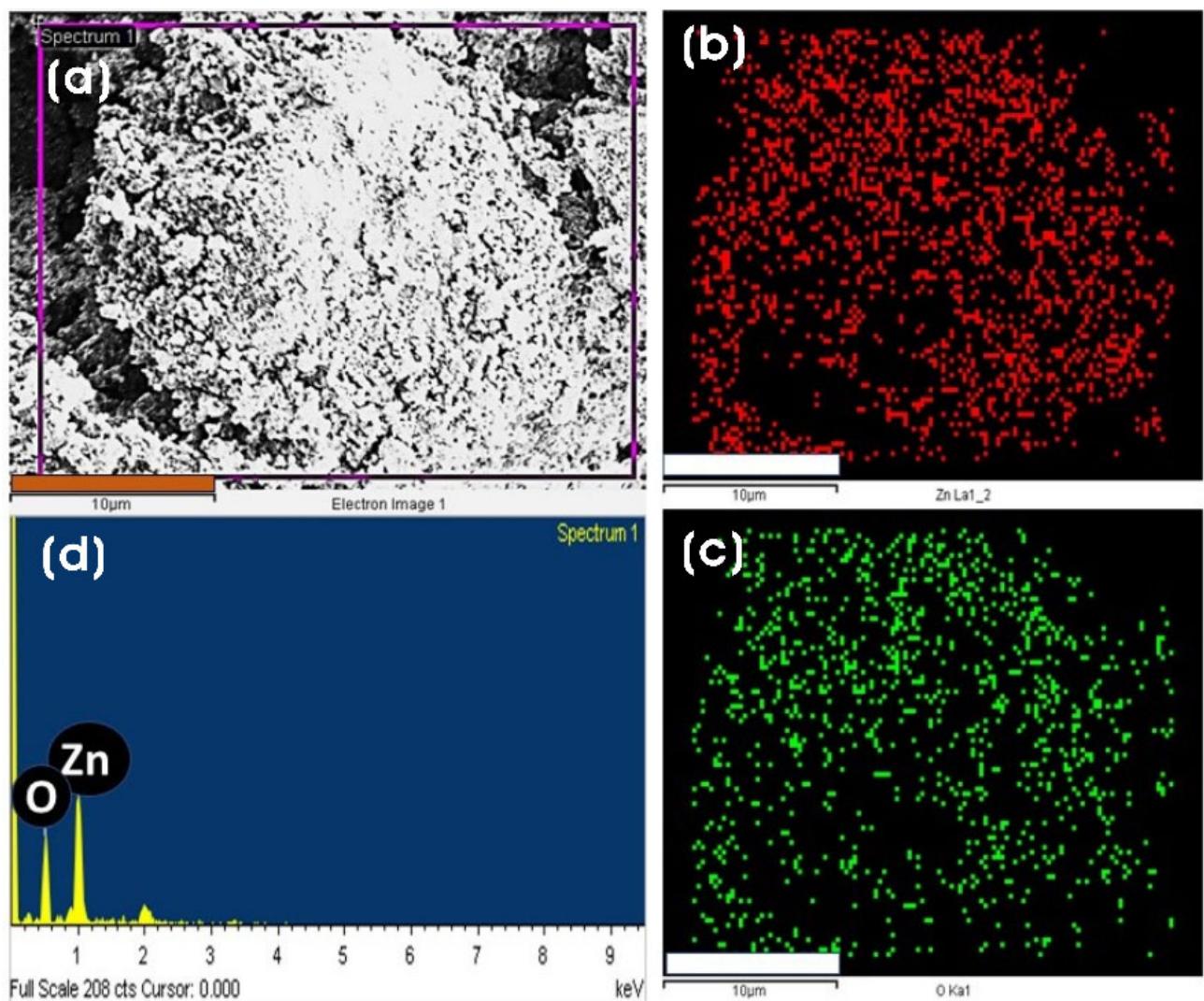
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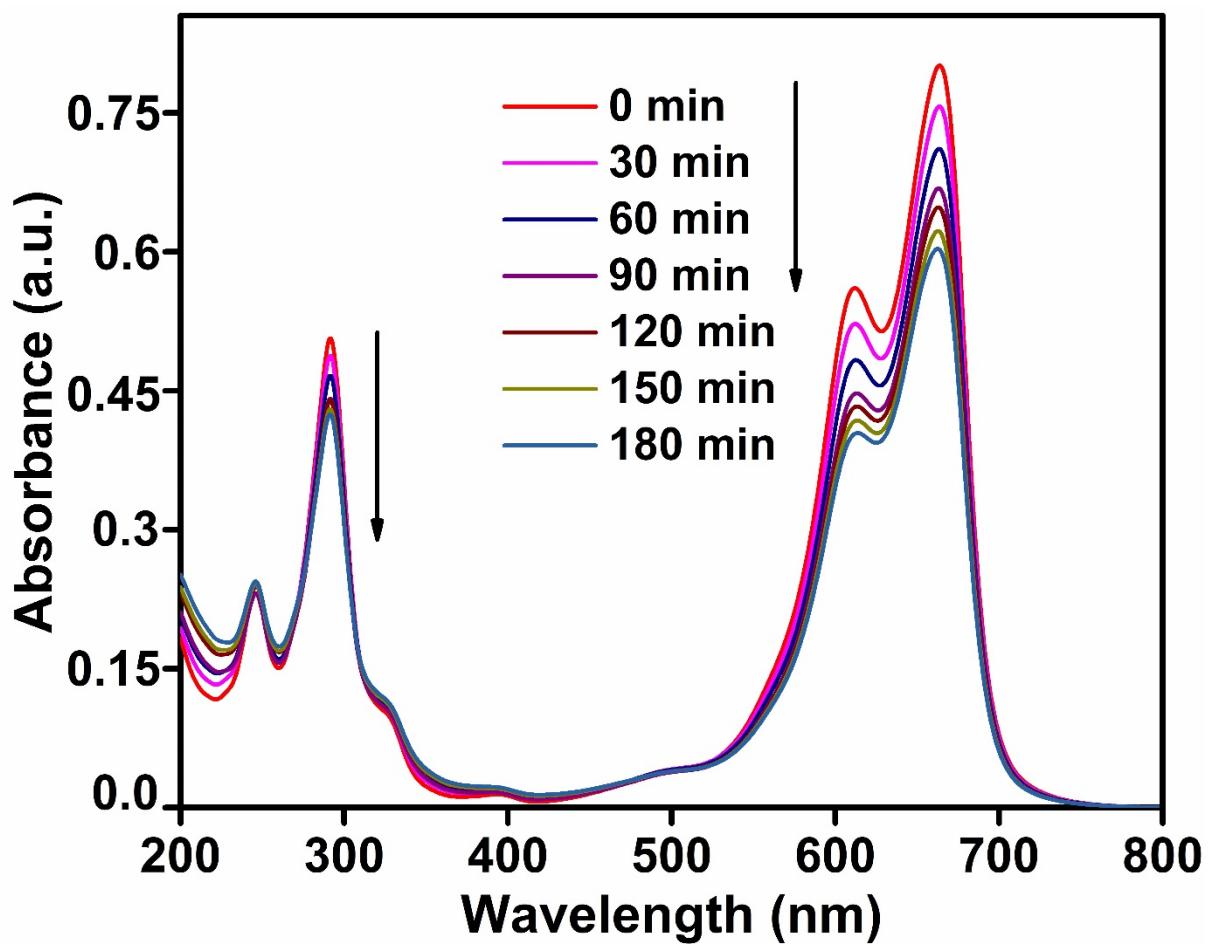
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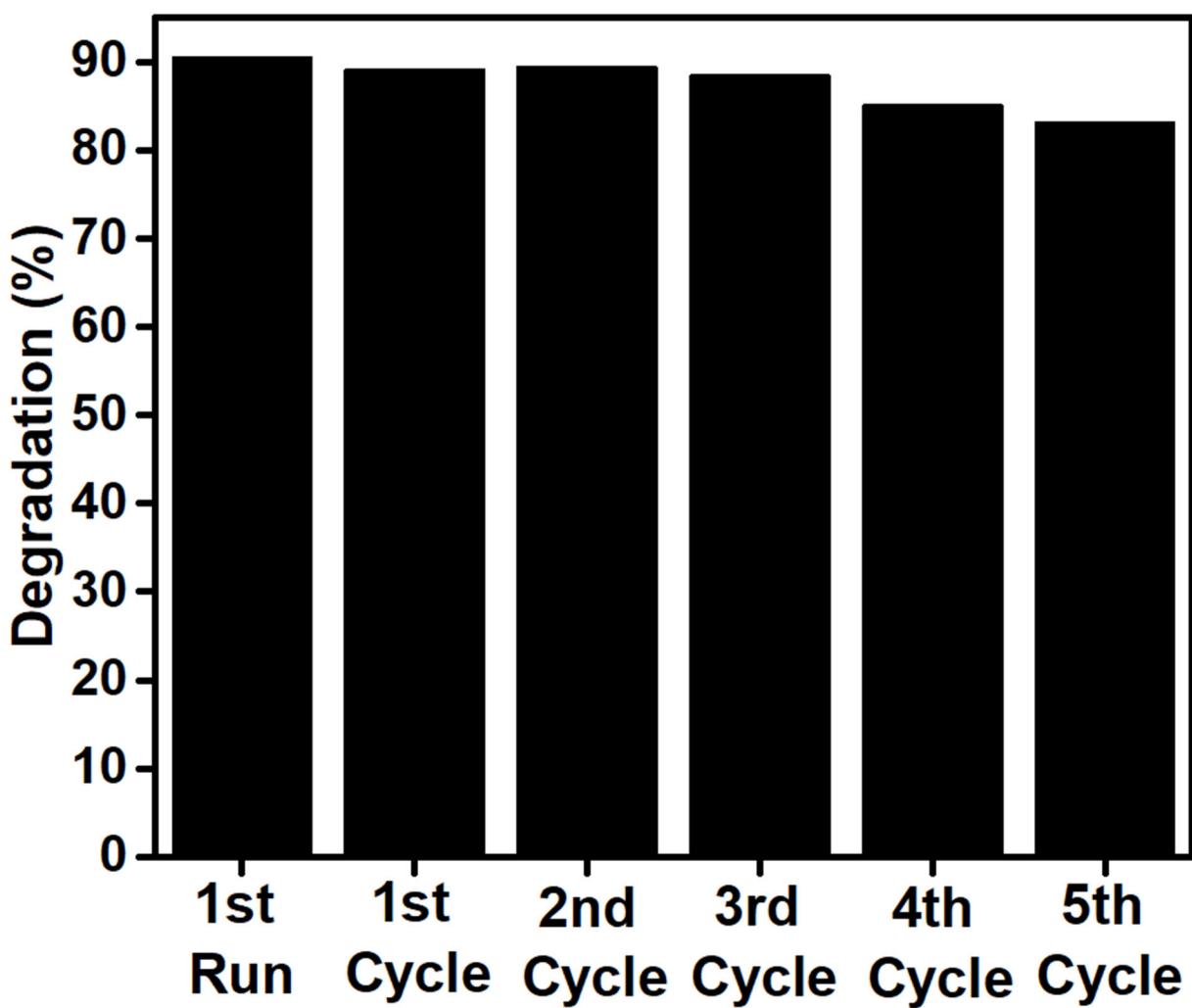
Supplementary Figure S1. (a, b) Dynamic light scattering (DLS) and (c, d) zeta (ζ) potentials of biosynthesized ZnO and Ag/ZnO NCs.



Supplementary Figure S2. FE-SEM-EDX analysis of ZnO. (a) FE-SEM micrograph and elemental maps of (b) Zn-L (c) O-K and (d) EDX spectrum.



Supplementary Figure S3. Photolysis of methylene blue dye without any photocatalysts.



Supplementary Figure S4. Reusability of Ag/ZnO NC as a photocatalyst in the degradation of MB up to five cycles.