

Supplementary Information

Involvement of ROS in Nanosilver-caused Suppression of Aflatoxin Production from *Aspergillus flavus*

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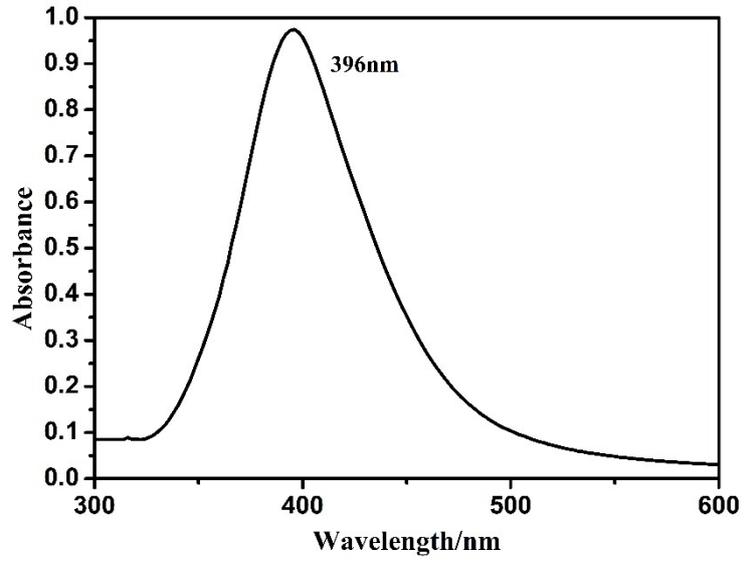


Figure S1. UV-vis spectrum of AgNPs suspension after 4-day storage

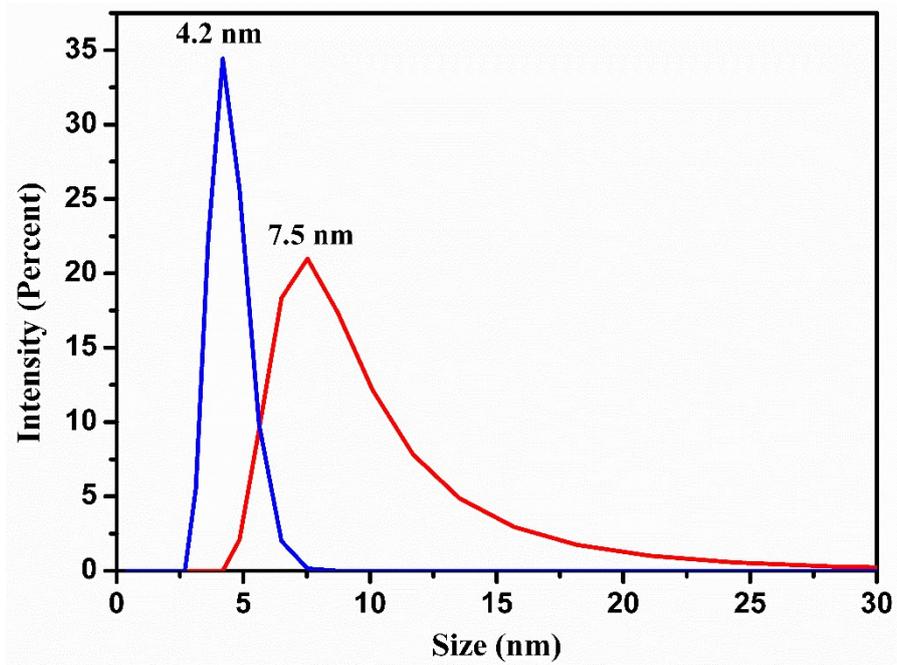


Figure S2. Dynamic size of AgNPs before (blue line)/after (red line) storage in culture medium

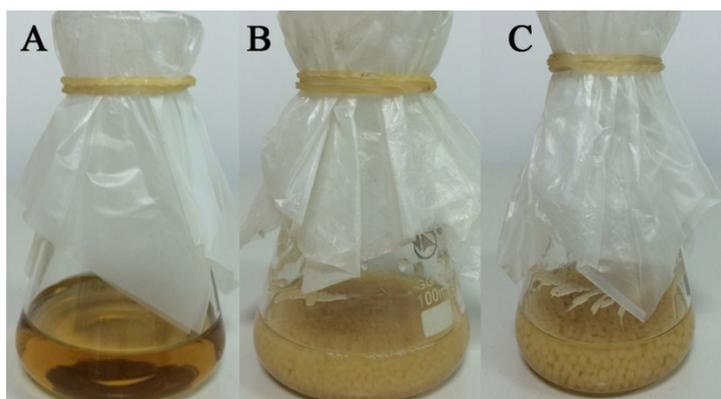


Figure S3. (A) Culture medium without fungi; (B) *A. flavus*-inoculated medium after 48 h's incubation; (C) *A. flavus*-inoculated medium after 72 h's incubation.

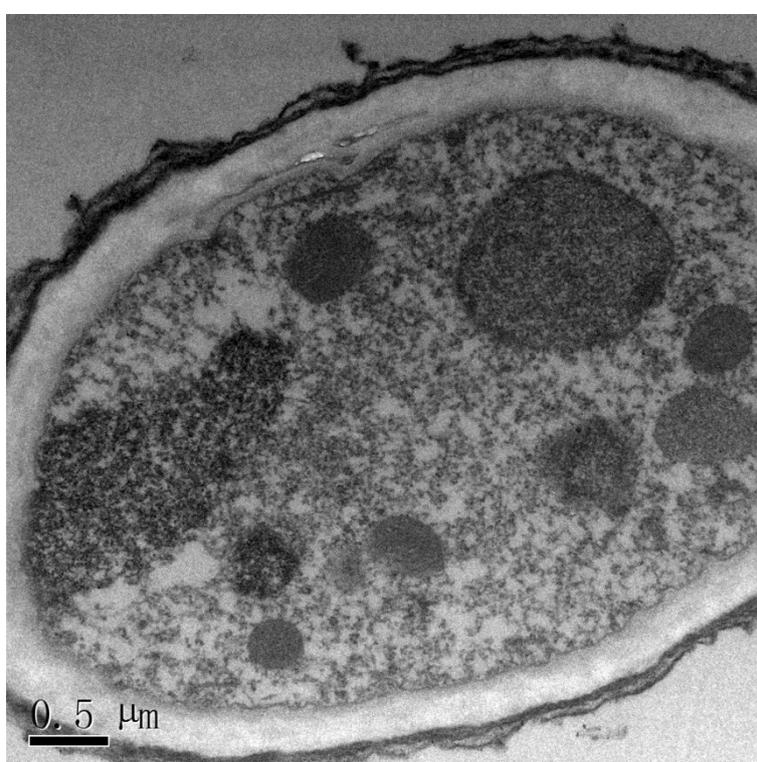


Figure S4. TEM micrograph of AgNPs-treated filamentous fungi

Table S1. Inhibition of AgNPs on the growth of *A. flavus*

AgNPs ($\mu\text{g} / \text{mL}$)	Inhibition rate (%)
5	0
15	30
25	57.8
35	85
45	98
60	100

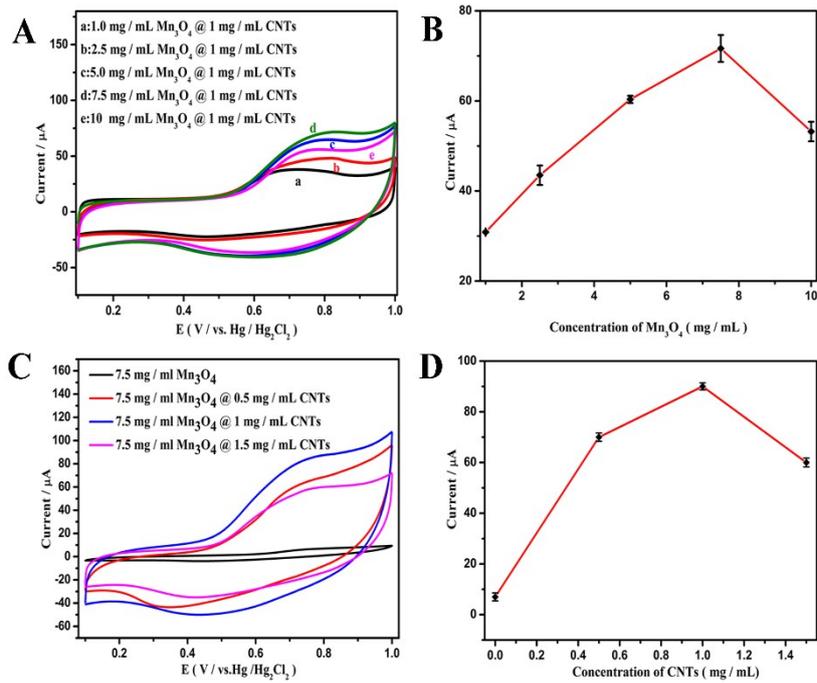


Figure S5. (A) and (B): Optimization diagram of the amount of Mn_3O_4 nanorods; (C) and (D) Optimization diagram of the amount of MWCNTs.

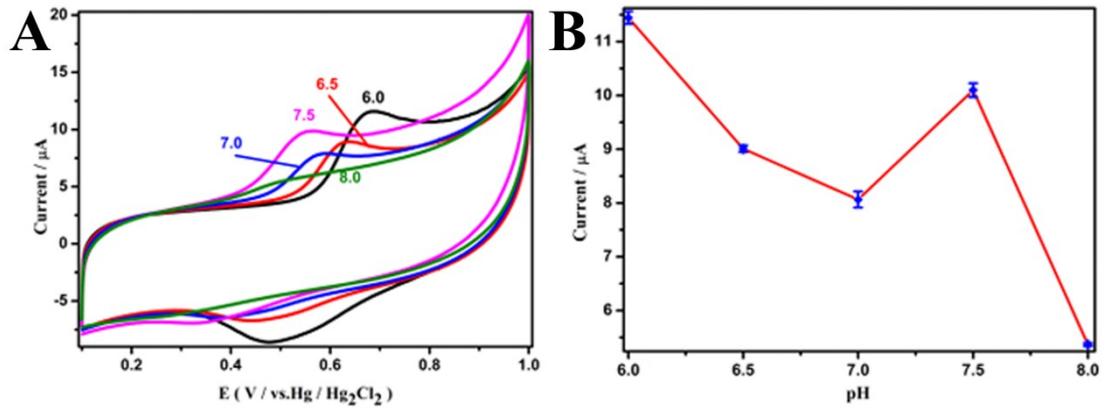


Figure S6. (A) and (B): pH optimization diagram of the MWCNTs- Mn_3O_4 nanorods-modified electrode.

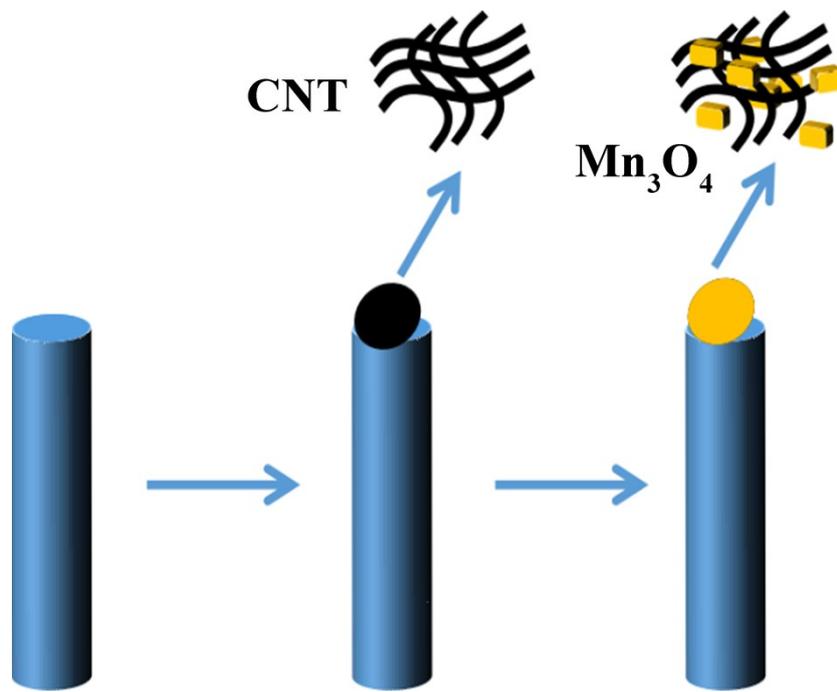


Figure S7. Manufacturing process of the MWCNTs-Mn₃O₄ nanorods-modified electrode.