

Supplementary Information

Synergistic Antiviral Effects of Metal Oxides and Carbon Nanotubes

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1. Energy Dispersive X-ray Spectroscopy Studies

The EDS spectra for the MOs and the MO-CNTs have been presented in Figure S1.

Figures S1a-c show the presence of Ni (57.6%) and O (42.4%) bands in $\text{Ni}(\text{OH})_2$ in

$\text{Ni}(\text{OH})_2$, Fe (88.7%) and O (11.3%) in Fe_2O_3 and Mn (65.1%) and O (34.9) in MnO_2 .

Similarly, Figures S1d-f represent the MO-CNTs where in $\text{Ni}(\text{OH})_2$ -CNT (Figure S1d),

Ni is at 15%, O is at 20% and C is at 64%; in Fe_2O_3 (Figure S1e) Fe is at 8%, O is at 36%

and C is at 55% and; in MnO_2 (Figure S1f) Mn is at 9%, O is at 36% and C is at 54%.

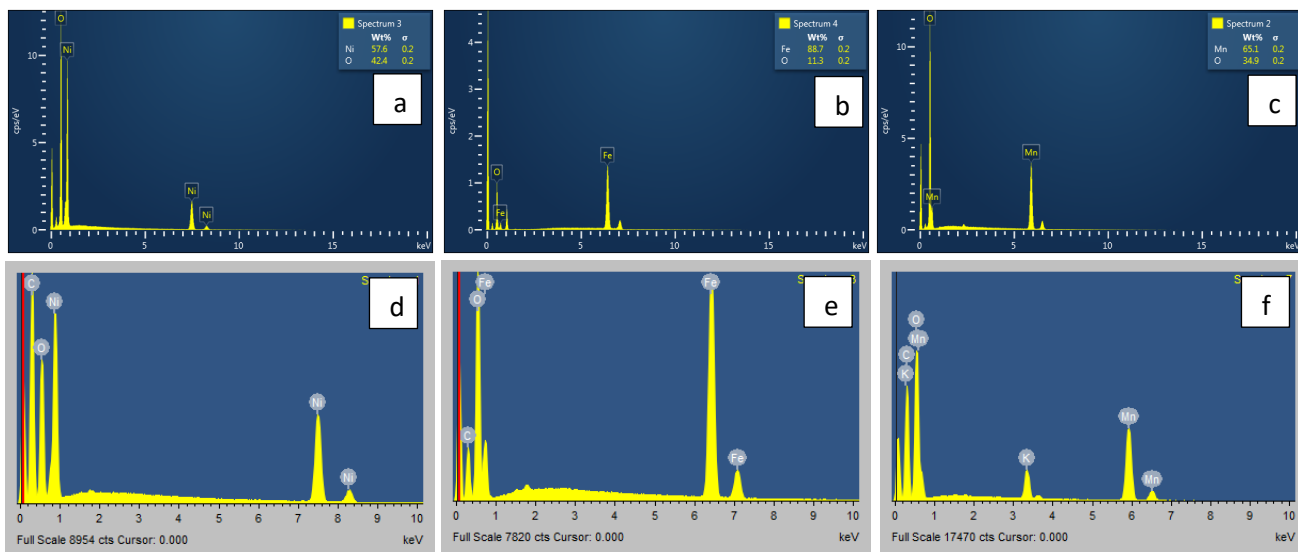


Figure S1. EDS spectra of a. $\text{Ni}(\text{OH})_2$; b. Fe_2O_3 ; c. MnO_2 ; d. $\text{Ni}(\text{OH})_2$ -CNT; e. Fe_2O_3 -CNT; f. MnO_2 -CNT.