

Electronic Supplemental Materials (ESM)

(Φ) UV/visible spectroscopy analyses:

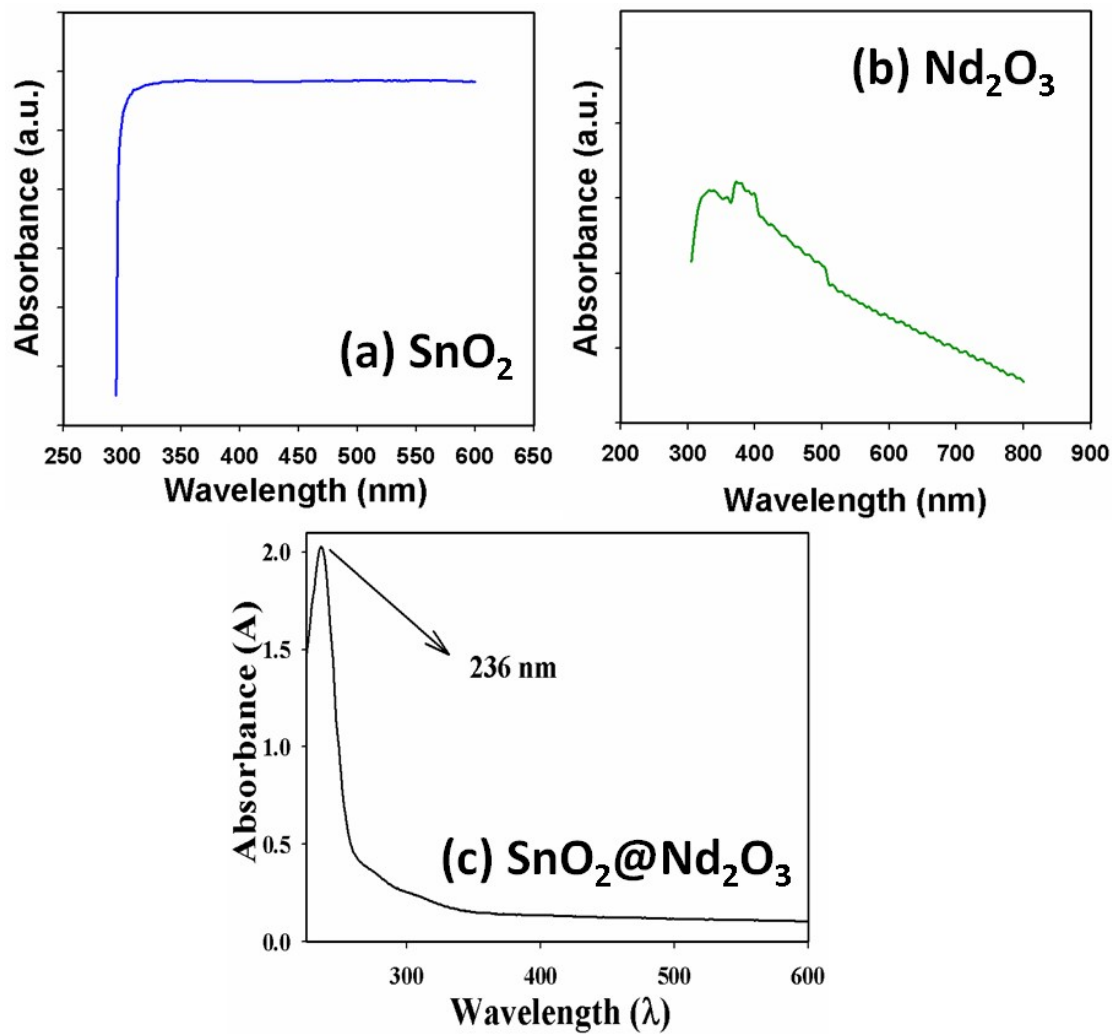


Fig. S1. Comparative UV/vis. Spectroscopic analysis of (a) SnO_2 , (b) Nd_2O_3 , and (c) $\text{SnO}_2@\text{Nd}_2\text{O}_3$ nanocomposites

(β) FTIR analyses:

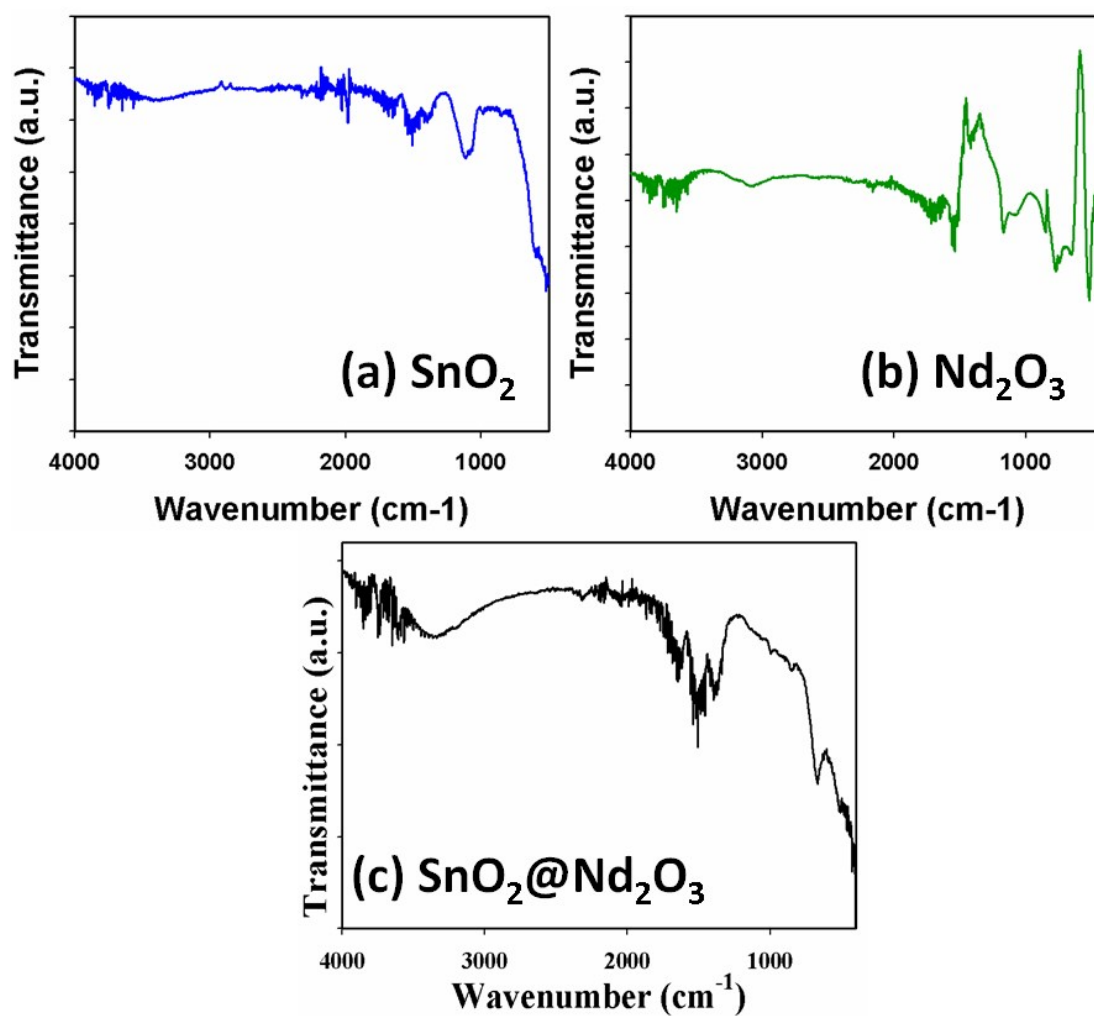


Fig. S2. Comparative FTIR analysis of (a) SnO₂, (b) Nd₂O₃, and (c) SnO₂@Nd₂O₃ nanocomposites

(Ψ) Powder XRD analyses:

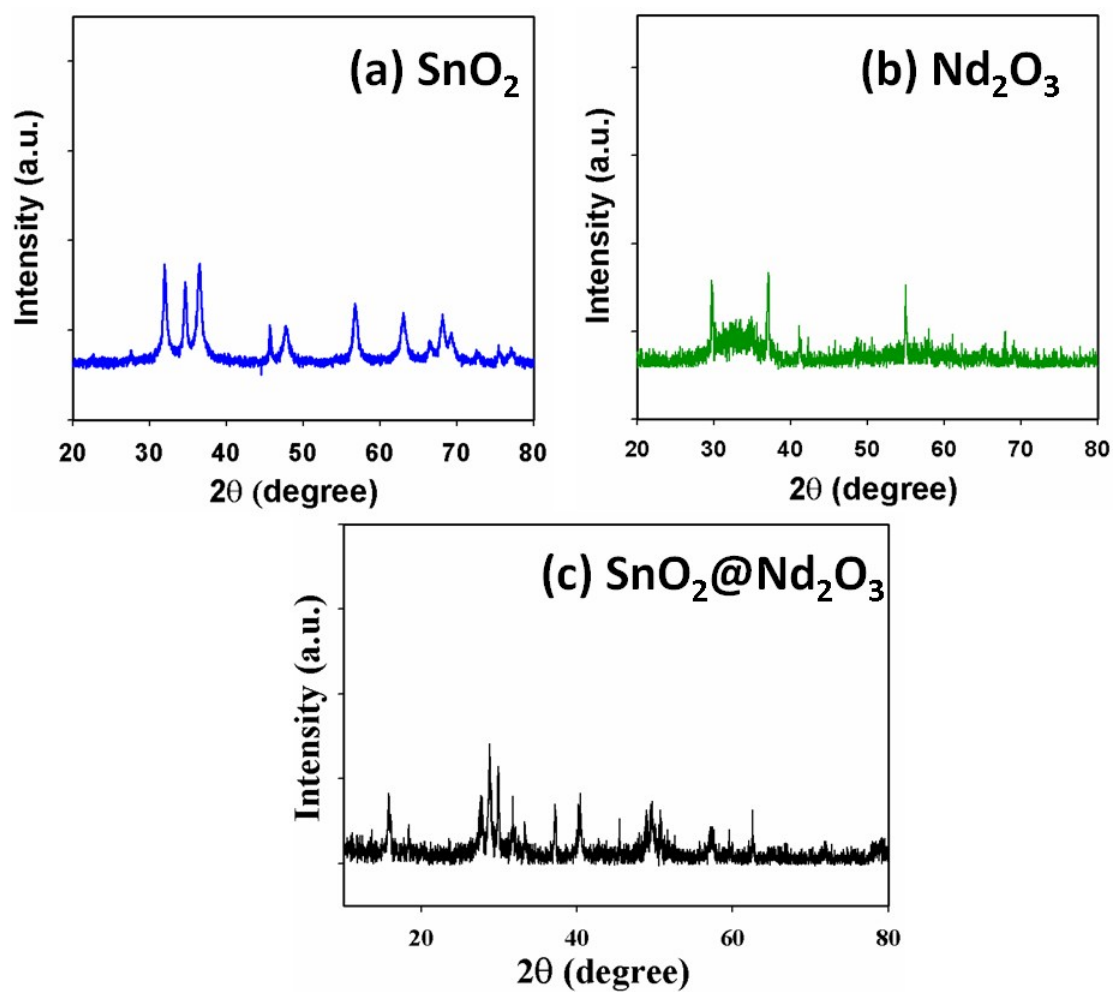


Fig. S3. Comparative powder XRD analysis of (a) SnO₂, (b) Nd₂O₃, and (c) SnO₂@ Nd₂O₃ nanocomposites

(γ) FESEM analyses:

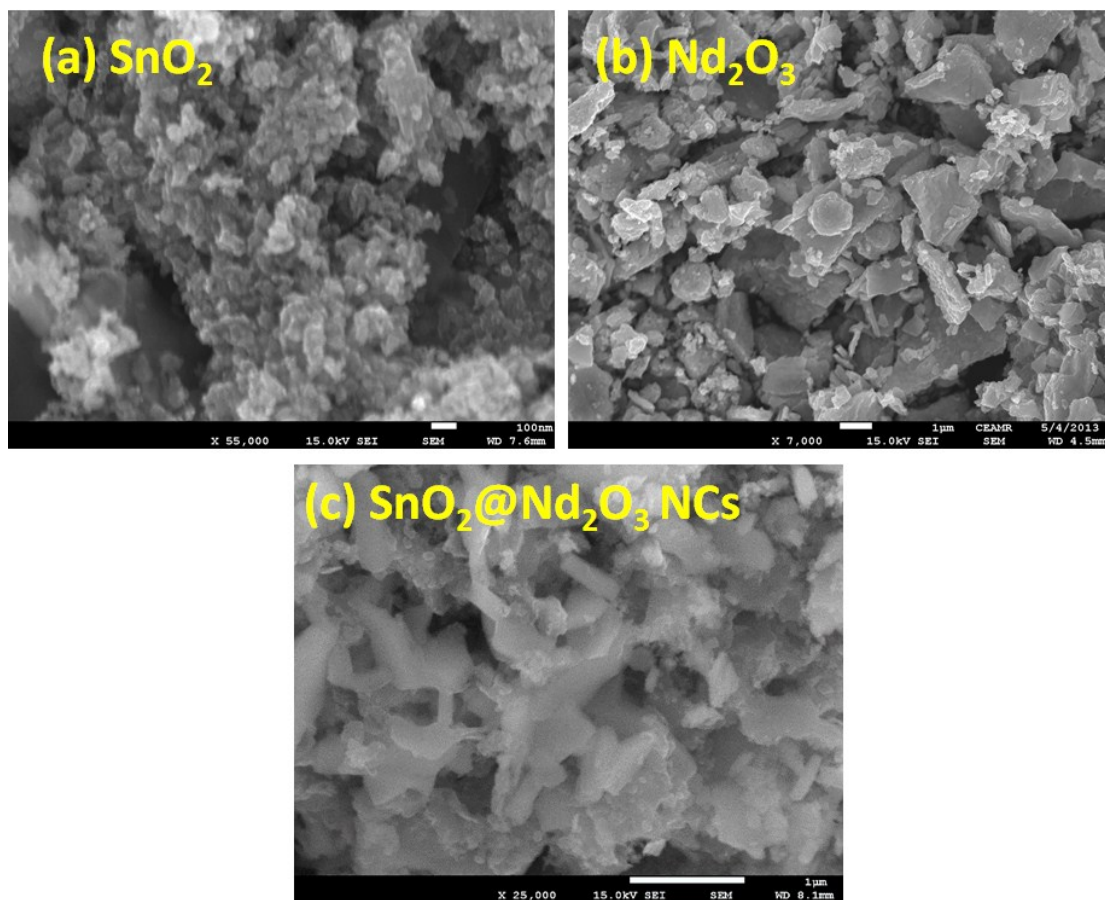


Fig. S4. Comparative FESEM analysis of (a) SnO_2 , (b) Nd_2O_3 , and (c) $\text{SnO}_2@ \text{Nd}_2\text{O}_3$ nanocomposites