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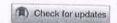
## MWCNT attached mesoporousAg<sub>3</sub>O<sub>4</sub> @NiO nanocomposite for hybrid supercapacitor applications

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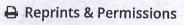


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## ABSTRACT

The carbon nanotubes attached mesoporous  $Ag_3O_4$ -coated NiO nanosheets were prepared successfully through hydrothermal method. The structural, morphological and electrochemical properties of the prepared nanocomposite have been studied. The X-ray diffraction and Raman analysis confirms the presence of NiO,  $Ag_3O_4$  and carbon nanotubes in the prepared sample. HRTEM images clearly show the coating of  $Ag_3O_4$  on the NiO and attachment of carbon nanotubes. BET surface area analysis confirms the mesoporous nature of the prepared composite. The cyclic voltammetric