

Scheelite SrWO_4 decorated g- C_3N_4 for Efficient Inhibition of Foodborne Pathogens: Synthesis, Structural Characterization, and Antibacterial Properties Interpretations

Abstract

Scheelite metal molybdates and their composites have attracted significant attention because of their numerous applications. The present study describes the synthesis, characterization, and antimicrobial characteristics of $\text{SrWO}_4/\text{g-C}_3\text{N}_4$. A facile one-pot hydrothermal approach was exploited for sample preparation. XRD, FT-IR, XPS, TEM, and HR-SEM-EDS were used to investigate the morphological and physicochemical characteristics of the prepared hybrid composite. The antibacterial activity tests were performed using an agar-well diffusion assay