

Superior performance of a ZnO-10%BiOI heterostructure in the destruction of 2-Chlorobiphenyl

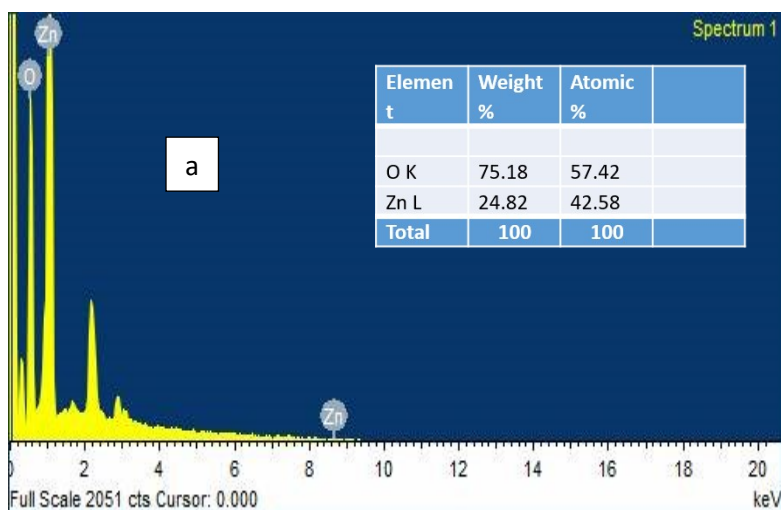
Darlington .C. Ashiegbu^{a*}, Nosipho Moloto^b and Herman Potgieter^{a,c}

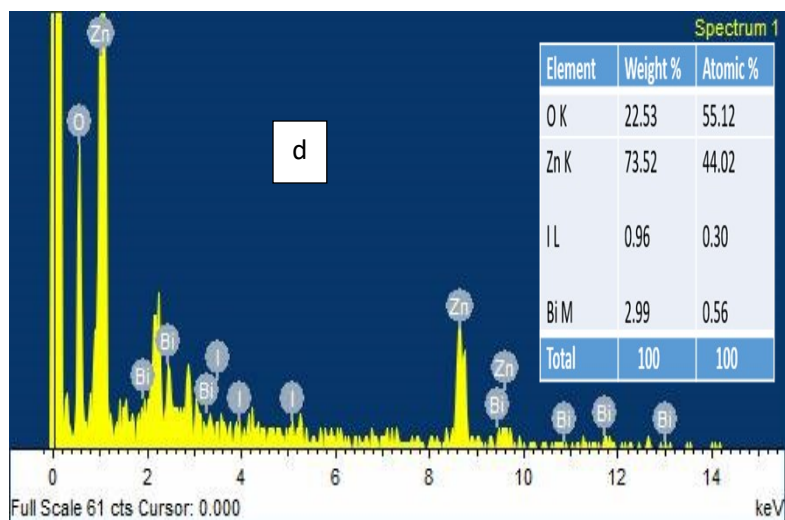
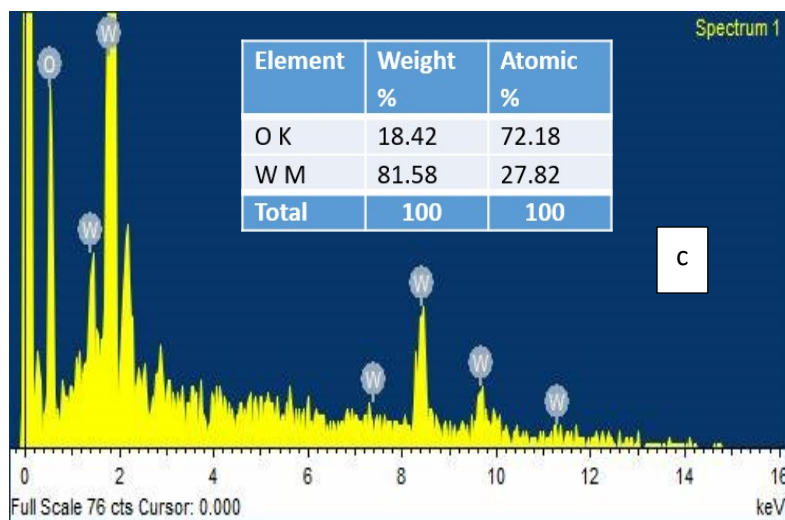
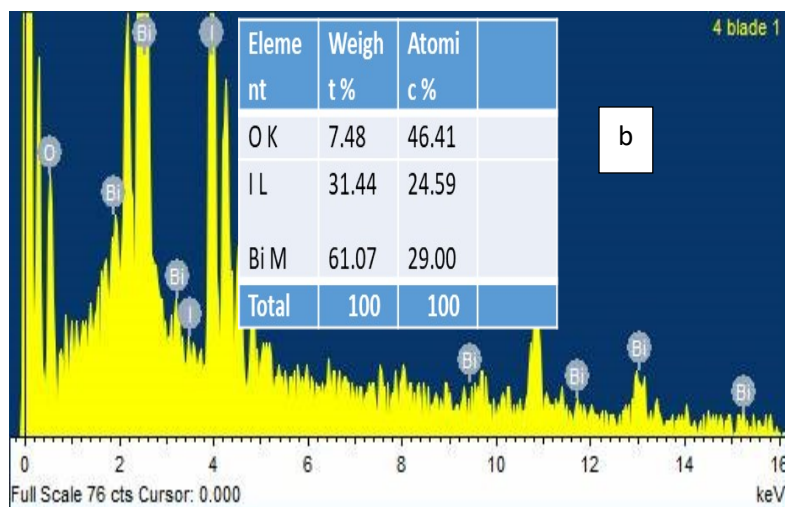
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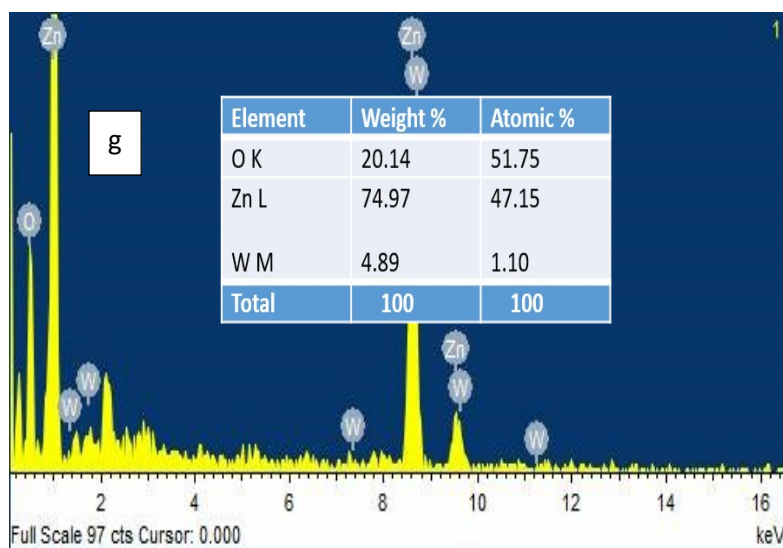
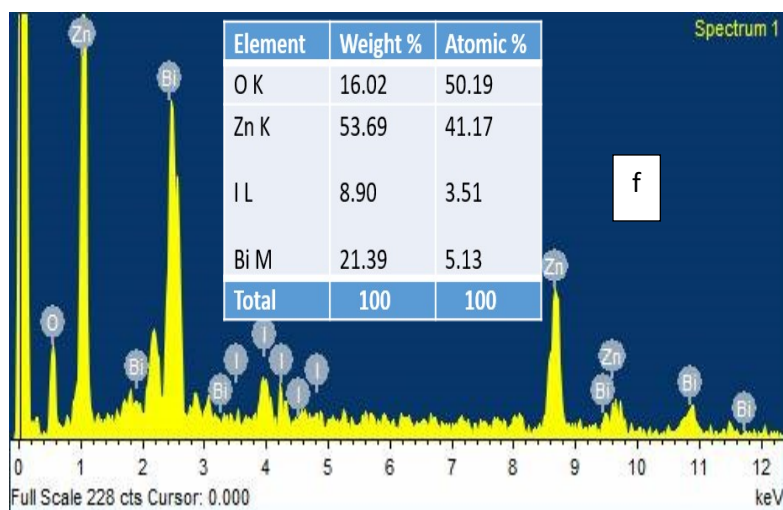
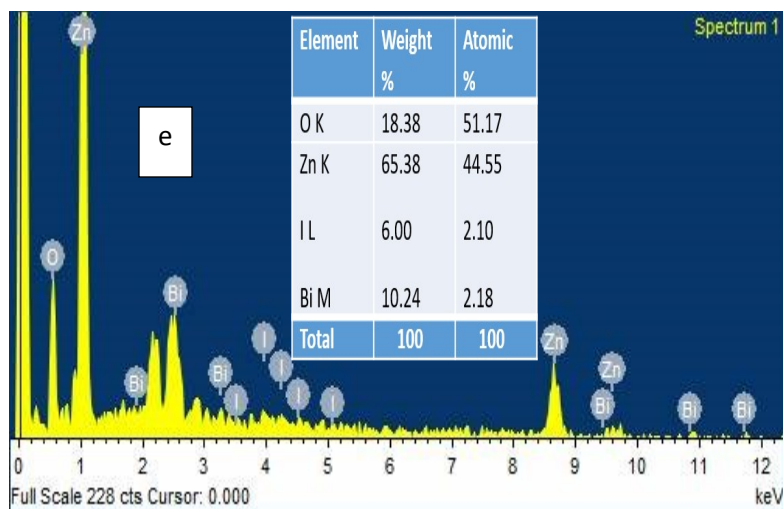
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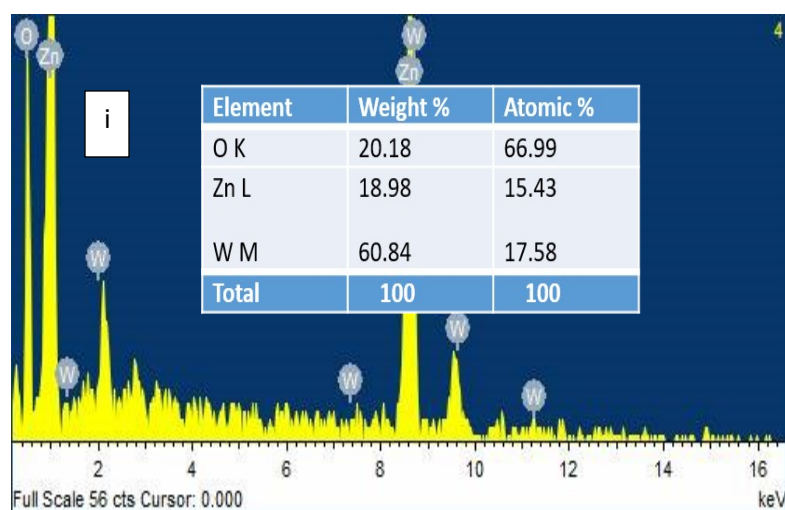
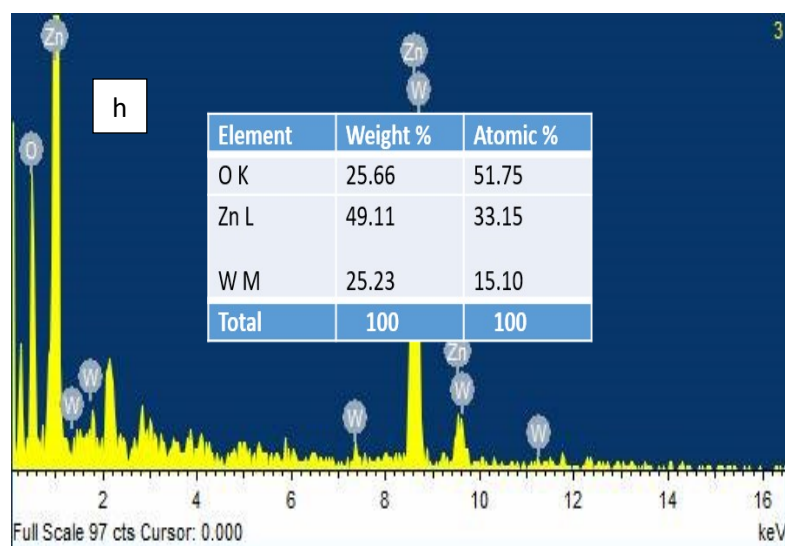
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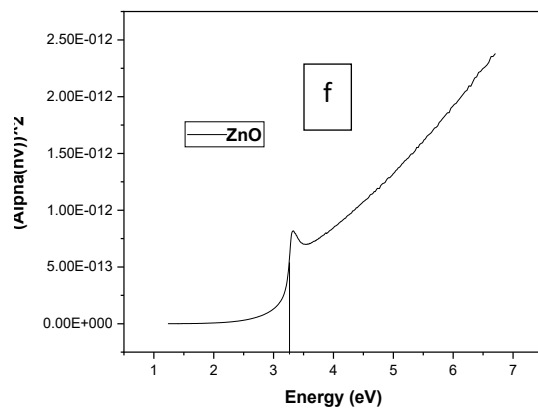
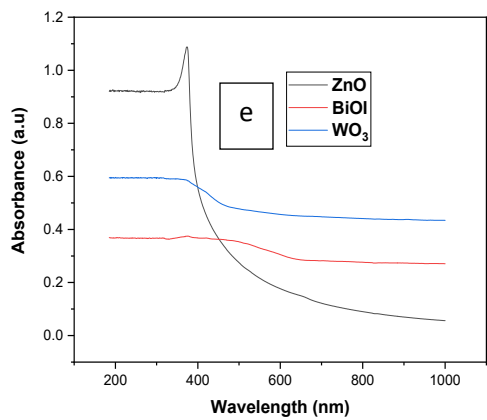
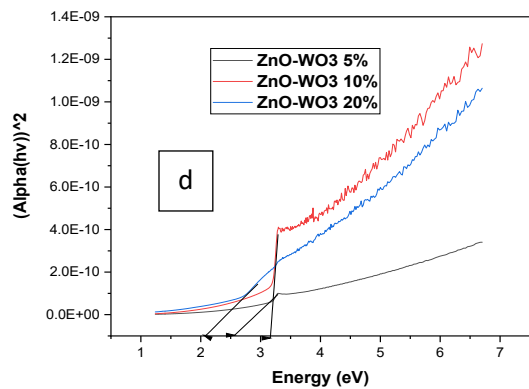
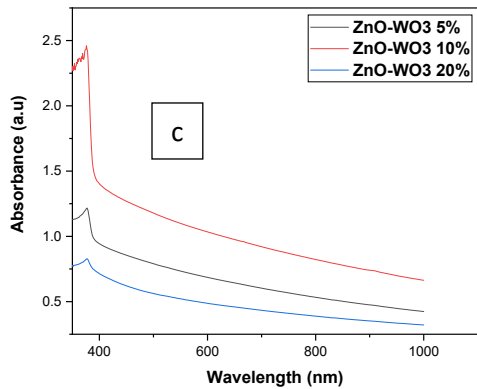
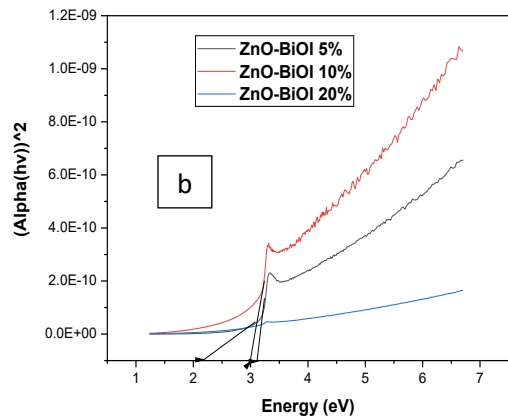
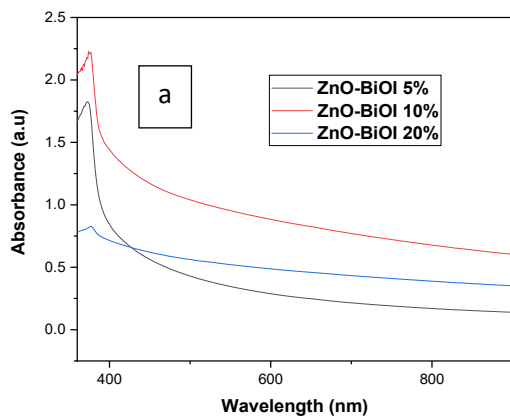


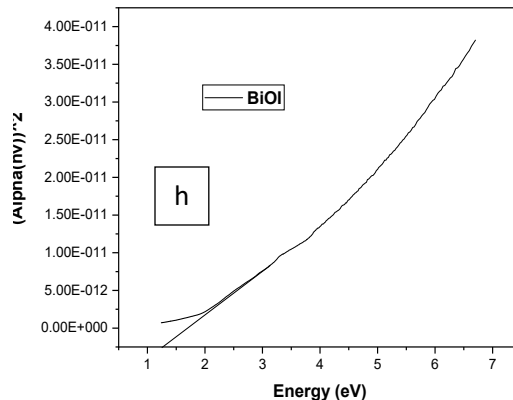
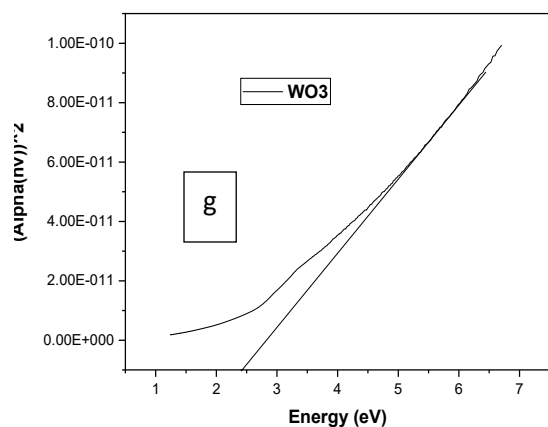






Supplementary Material 1. EDS spectra and stoichiometry of (a) ZnO (b) BiOI (c) WO₃ (d) ZnO-5%BiOI (e) ZnO-10%BiOI (f) ZnO-20%BiOI (g) ZnO-5%WO₃ (h) ZnO-10%WO₃ (i) ZnO-20%WO₃





Supplementary Material 2. Absorption spectra and Tauc plots of (a) ZnO-[X] BiOI absorbance (b) ZnO-[X]BiOI Tauc plots (c) ZnO-[X]WO₃ absorbance (d) ZnO-[X] WO₃ absorbance Tauc plots (e) ZnO, BiOI and WO₃ absorption spectra (f) ZnO Tauc plot (g) WO₃ Tauc plot (h) BiOI Tauc plot