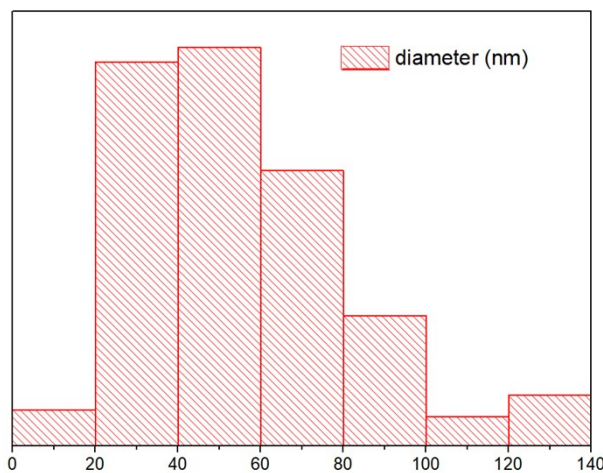
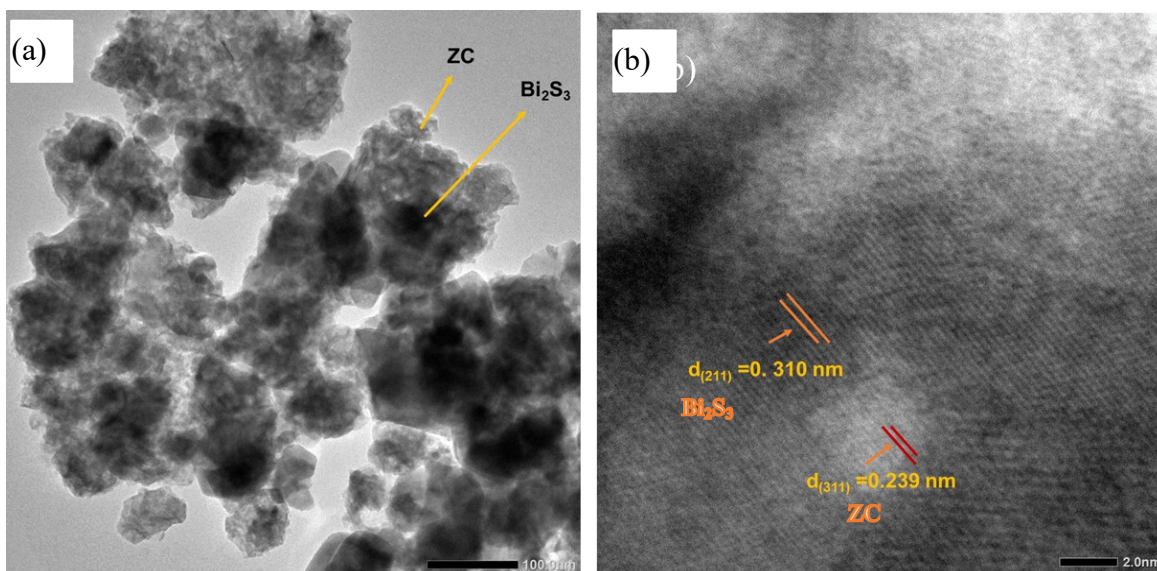


Supplementary document for

**A novel n-p heterojunction  $\text{Bi}_2\text{S}_3/\text{ZnCo}_2\text{O}_4$  photocatalysts for boosting visible-light-driven photocatalytic performance toward indigo carmine**



**Figure S1.** TEM (a) and (b) HRTEM, and (c) distribution particles of 12.0 $\text{Bi}_2\text{S}_3/\text{ZC}$  samples.

**Table S1.** Zn and Co content of ZC and Bi<sub>2</sub>S<sub>3</sub>/ZC samples determined by ICP-OES.

	<b>ZC</b>	<b>Bi<sub>2</sub>S<sub>3</sub>/ZC</b>
%Zn	16.96	12.37
%Co	33.88	26.15
Co/Zn	2.17	2.32