

Supporting Information

Interface Engineering of $\text{Zn}_3\text{V}_2\text{O}_8$ decorated Hydroxyapatite Nanocomposite for Photocatalytic Degradation of Congo Red dye and Anti-Microbial Applications

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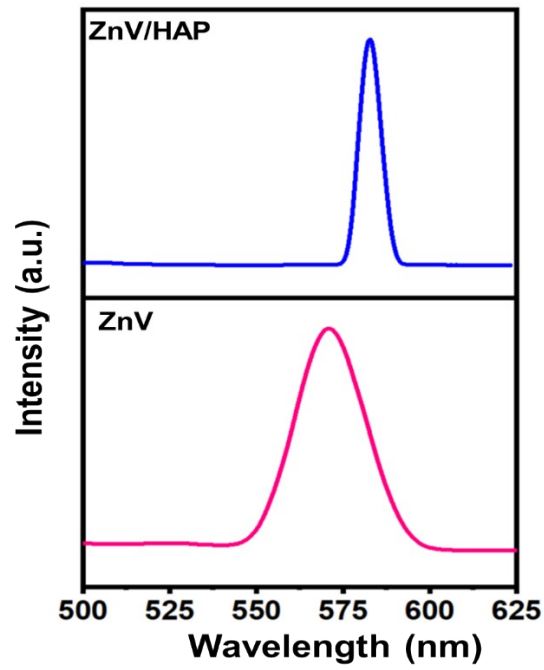


Fig.S1. Photoluminescence spectra of ZnV and ZnV/HAP composite

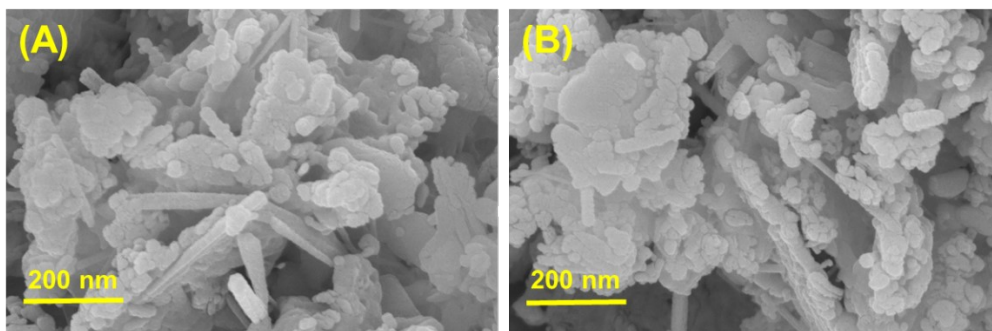


Fig. S2. (A and B) SEM images of HAP

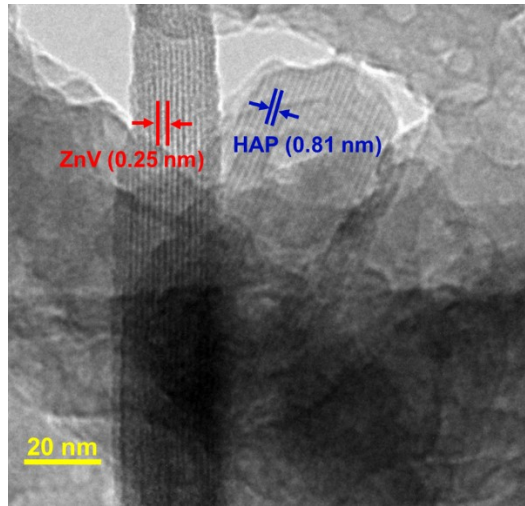


Fig.S3. TEM image of ZnV/HAP composite with lattice spacing of ZnV and HAP

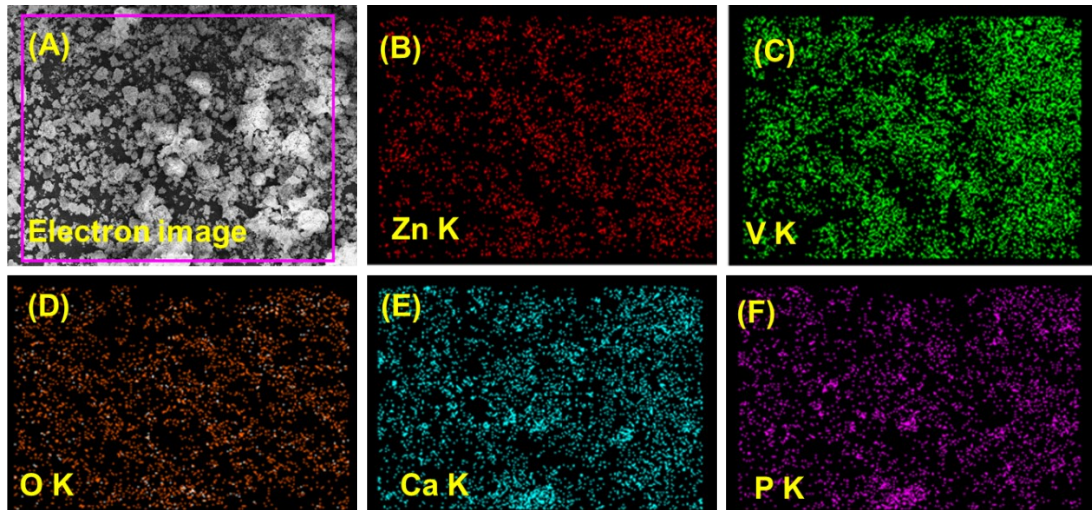


Fig. S4. EDS color mapping analysis of ZnV/HAP composite

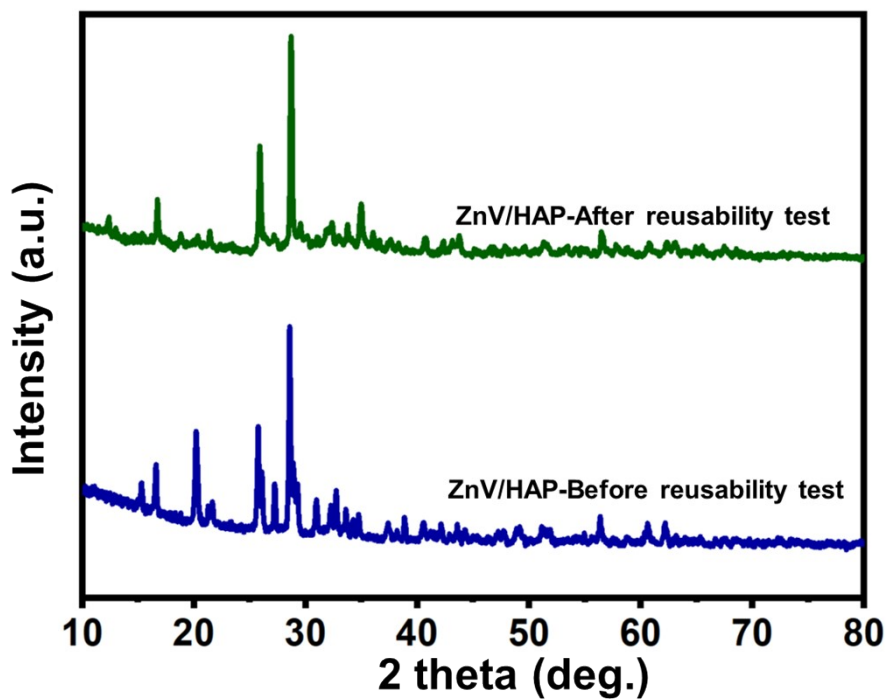


Fig.S5. XRD patterns of ZnV/HAP composite before and after reusability analysis

Table S1. Comparison of photocatalytic performance of ZnV/HAP towards degradation of CR dye with other investigated materials

S. No	Catalysts	% of degradation	Ref.
1.	Ni-TiO ₂	92.3 %	[1]
2.	CuO NPs	91%	[2]
3.	SnO ₂ -Fe ₃ O ₄	50.7 %	[3]
4.	CMCFO-Cr	84%	[4]
5.	CoFe ₂ O ₄	79%	[5]
6.	CuFe ₂ O ₄	92%	[6]
7.	ZnO	82%	[7]
8.	Co ₃ O ₄ / TiO ₂ /GO	91%	[8]
9.	ZnV/HAP	94%	This work

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