

Supplementary Information

## **Dual-functionality of tungsten oxide doped-Magnesium oxide nanoparticles for organic dyes adsorption and antimicrobial activity**

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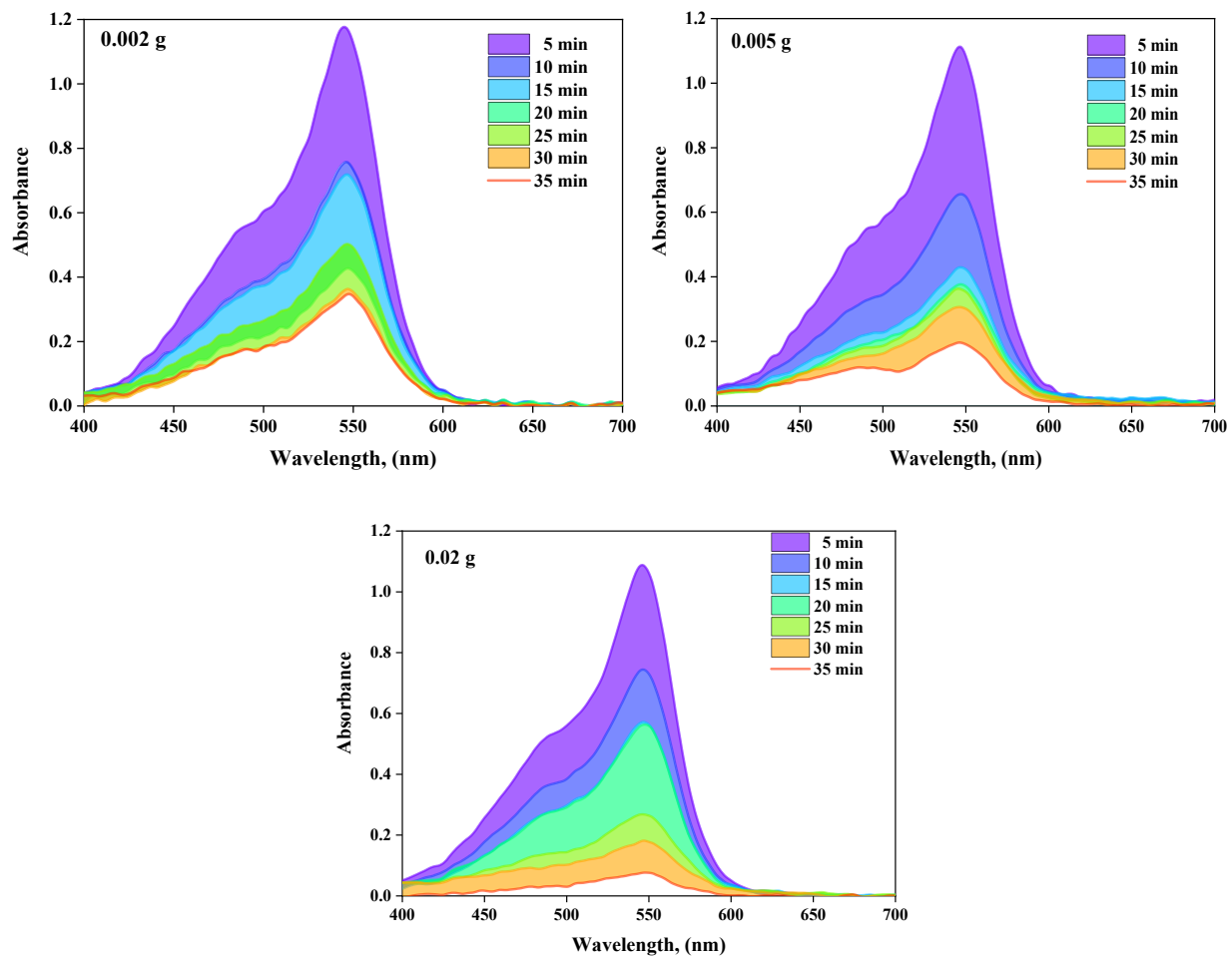
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**Fig. S1** UV-Vis spectra of TW4 adsorption with various doses of BF dye.

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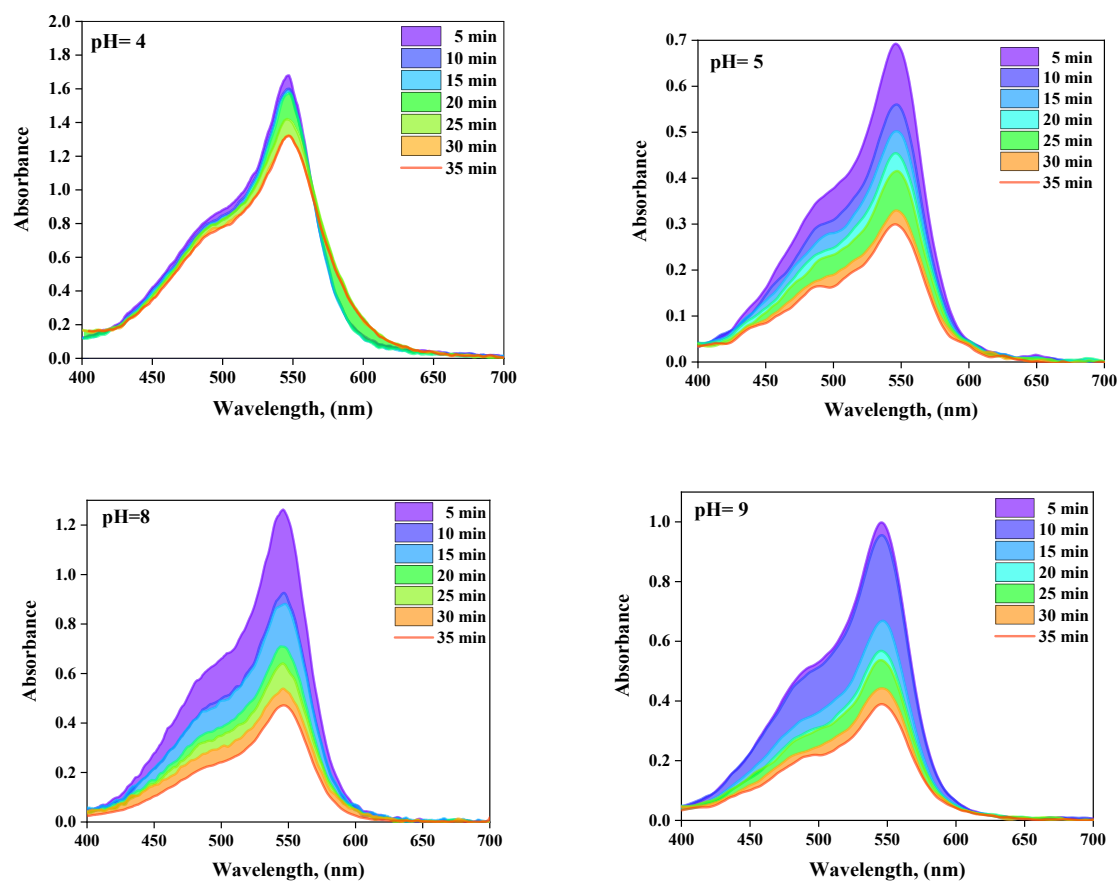


Fig. S2 UV-Vis spectra of TW4 adsorption with different pH values of BF dye.

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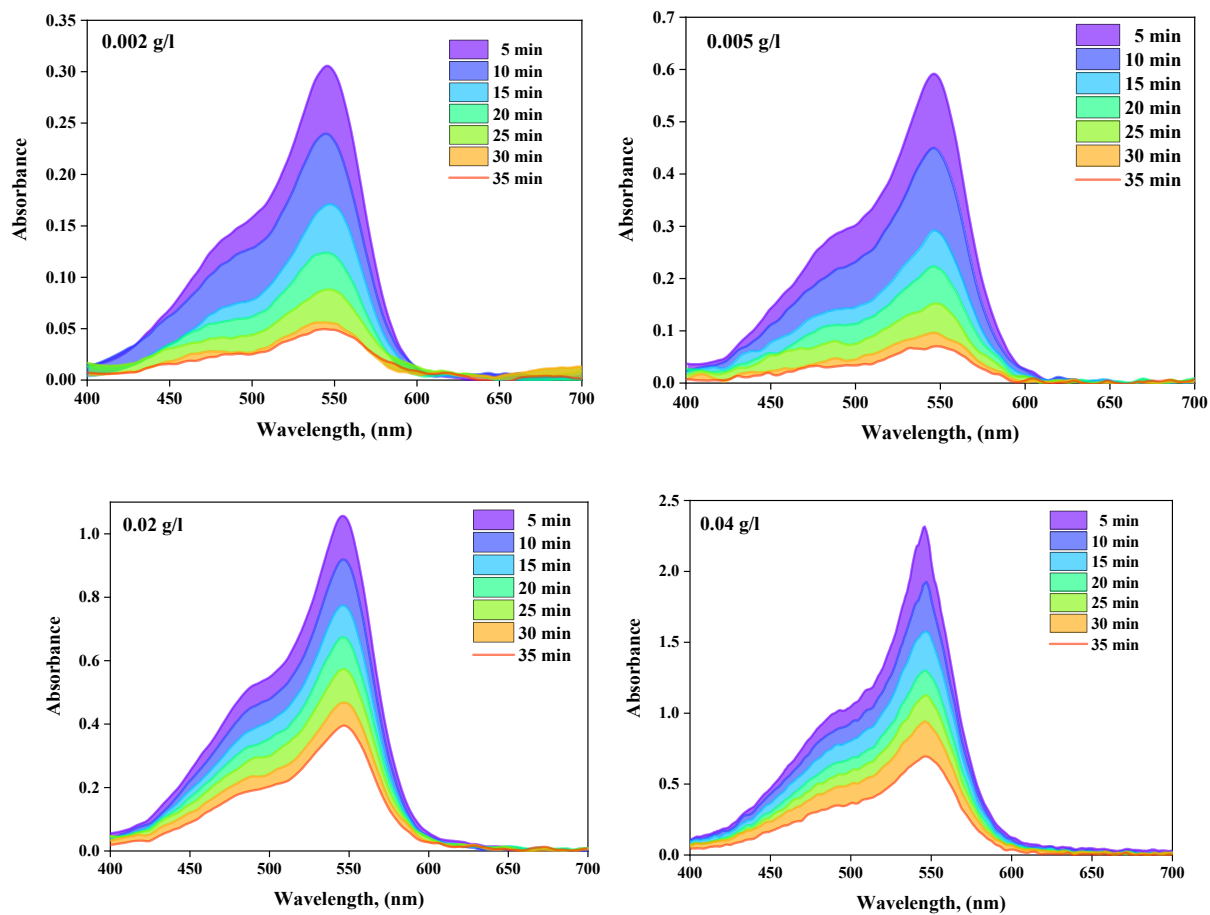


Fig. S3 UV-Vis spectra of TW4 adsorption with various dye concentrations of BF dye.