toxics

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Supplementary Materials: Biogenic *Punica granatum* Flower Extract Assisted $ZnFe_2O_4$ and $ZnFe_2O_4$-Cu Composites for Excellent Photocatalytic Degradation of RhB Dye

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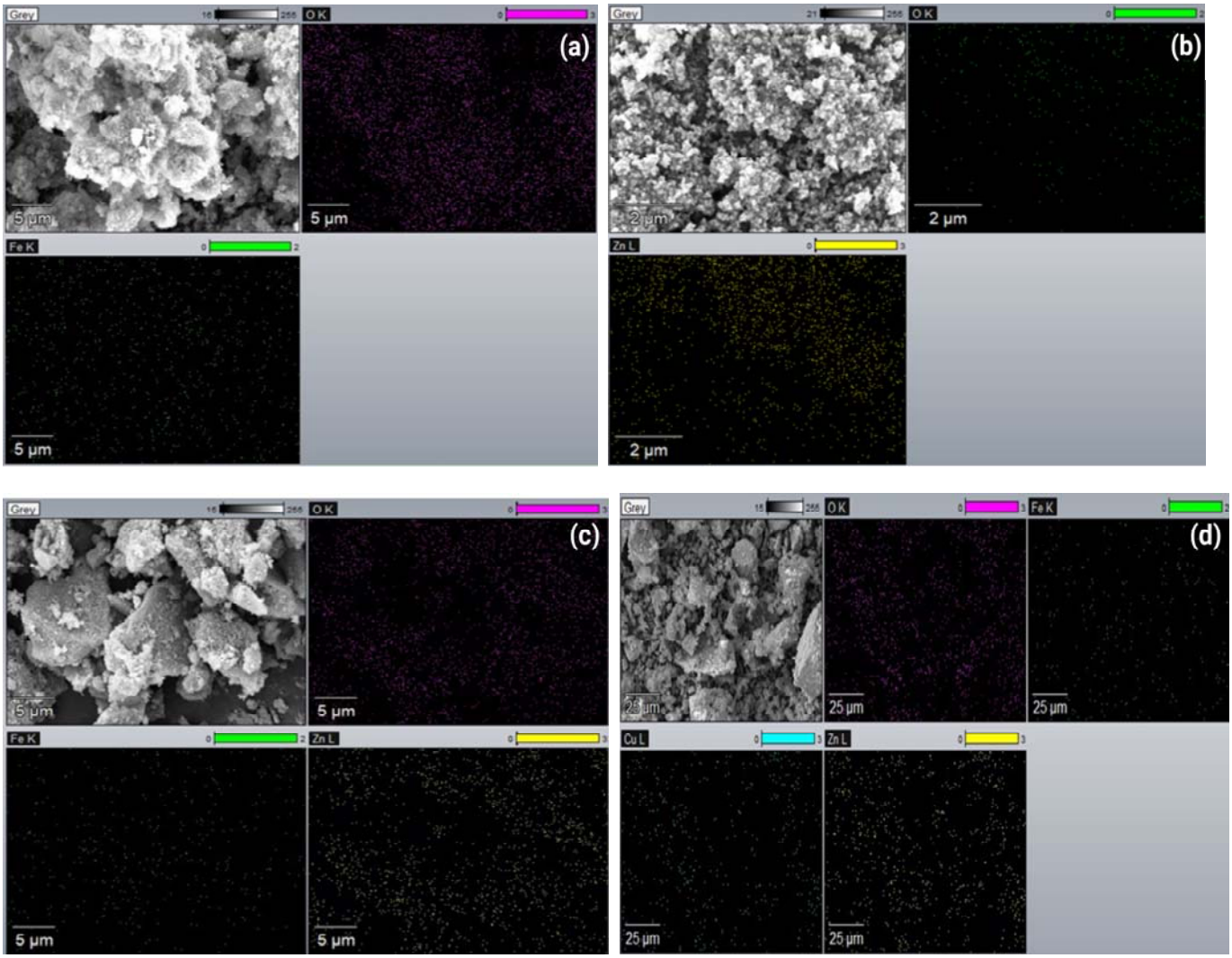

Figure S1. SEM-EDX elemental mapping analysis of (a) Fe_2O_3, (b) ZnO, (c) $ZnFe_2O_4$, and (d) $ZnFe_2O_4$–Cu NPs.

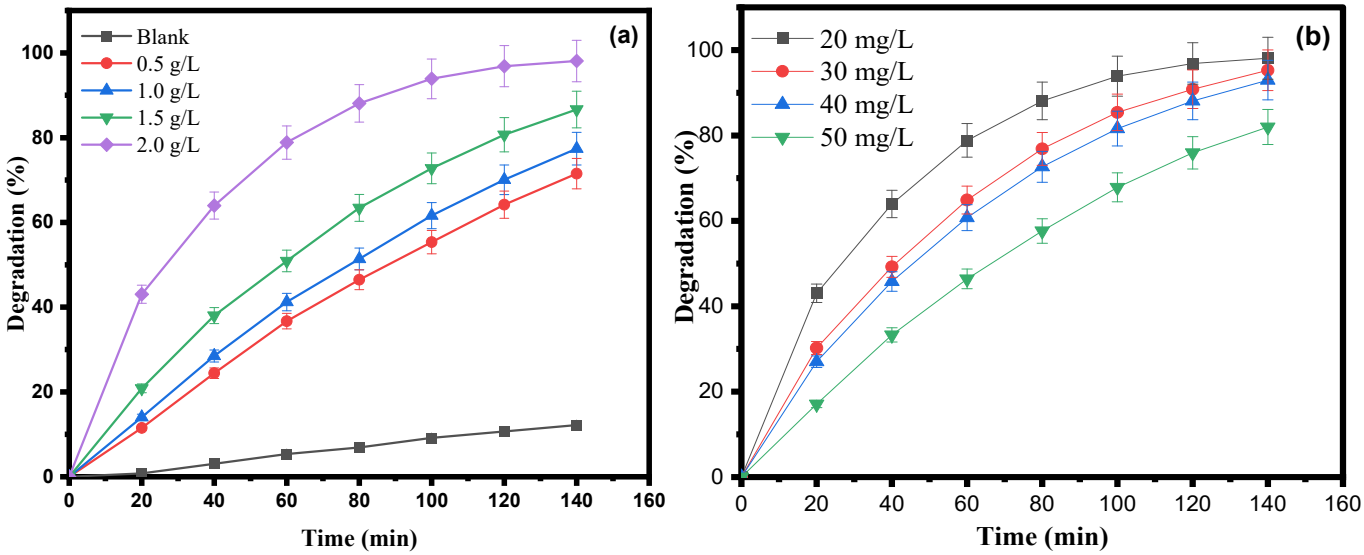

Figure S2. a) Photocatalytic degradation rate (%) of RhB dye with various catalyst dosages. (b) Photocatalytic degradation rate (%) of RhB dye with different dye concentrations.

Table S1. Langmuir–Hinshelwood kinetic rate constant of different parameters for RhB dye degradation.

Parameters		k (min^{-1})
Catalyst dose (g/L)	0.0	0.00098
	0.5	0.00897
	1.0	0.01056
	1.5	0.01423
	2.0	0.02864
Dye concentration (mg/L)	20	0.02864
	30	0.02123
	40	0.01861
	50	0.01227