

**Highly active agrowaste extracted cellulose supported CuInS₂ nanocomposite for visible
light induced photocatalysis**

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Supporting information

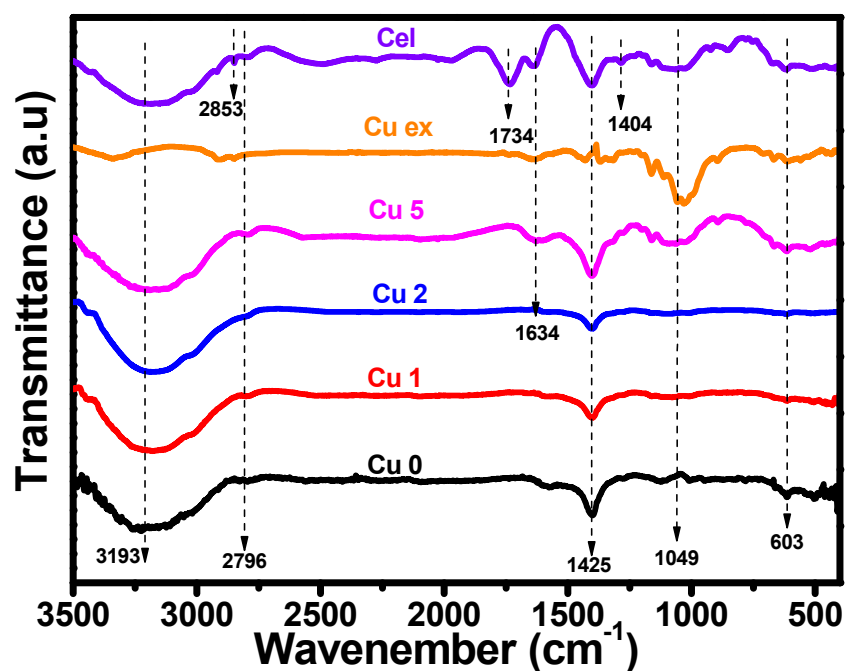


Figure S1. FTIR spectra of Cel, Cu ex, Cu0 to Cu5 photocatalysts

Table S1: Surface area, pore volume and pore radius from BET analysis

Sample	BET surface area (m ² /g)	Pore volume (cc/g)	Pore radius (nm)
Cel	48.66	0.136	1.13
Cu0	262.89	0.258	3.88
Cu2	138.91	0.145	0.387

Table S2: Time resolved florescence data of Cel, Cu0 and Cu2 photocatalyst

Sample	B1	τ_1 (ns)	B2	τ_2 (ns)	B3	τ_3 (ns)	τ_{av} (ns)	χ^2
Cel	0.018	1.232	0.032	2.463	0.001	0.11	1.488	1.180
Cu0	0.596	80.99	0.752	239.1	0.408	3.876	265.8	1.203
Cu2	-0.25	241.7	1.414	188.8	1.565	3.02	199.7	1.512