Electronic Supplementary Material (ESI) for New Journal of Chemistry.

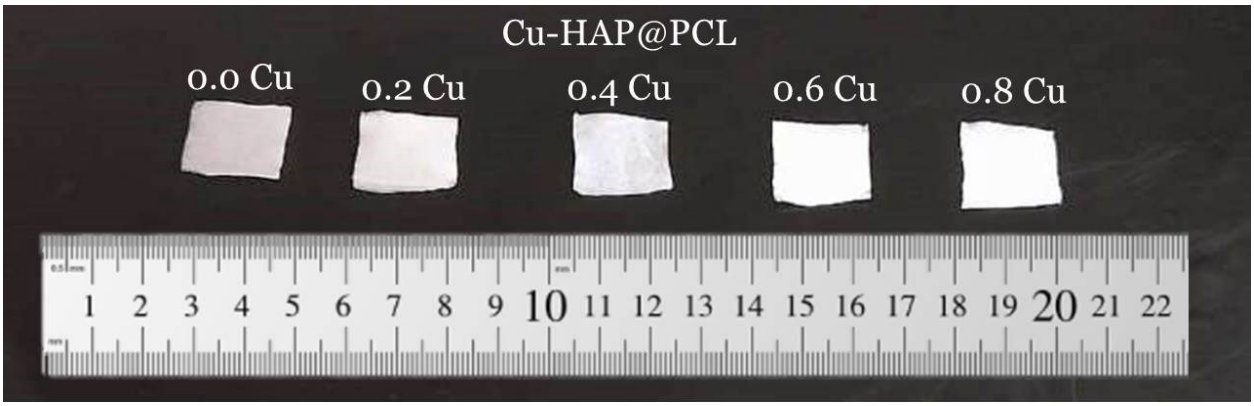

Fig. 1S Photogragraphs for the fabricated nanofibrous membranes of Cu-HAP@PCL at different contributions of Cu ions.

Table 1S: Characteristic bands of nanofibers of Cu-HAP@PCL at various contents of Cu ions.

0.0Cu-HAP@PCL	0.2Cu-HAP@PCL	0.4Cu-HAP@PCL	0.6Cu-HAP@PCL	0.8Cu-HAP@PCL	Assignment	Ref.
453.4	453.5	453.6	452.4	453.7	Bending mode of (ν_4) of PO^{3-}_4	[47-49]
567.6	567.3	566.5	568.3	557.4		
601.2	602.4	599.5	601.4	602.4		
960.4	960.4	960.4	959.4	960.4	(ν_1) of PO^{3-}_4	[51, 52]
1044.3	1044.5	1044.8	1043.6	1044.9	Asymmetric (ν_3) of PO^{3-}_4	[53]
1102.3	1102.5	1101.4	1101.7	1101.5	P–O stretch	[54]
1181.5	1178.5	1180.4	1181.4	1179.9	C–O–C	[52, 55]
1241.3	1240.4	1239.7	1238.8	1241.4		
1291.5	1292.4	1291.5	1293.6	1291.6	C-O and C-C	[51, 55]
1464.6	1464.8	1462.9	1462.5	1461.5	(ν_3) of	[54,

					$CO^{2}_{3}^{-}$	56]
1727.5	1728.5	1728.4	1725.6	1728.6	C=O	[51, 55]
2862.4	2861.4	2861.2	2860.4	2861.9	asymmetric stretching C–H	[51, 55]
2937.4	2938.7	2937.3	2936.4	2939.4		
3433.5	3437.1	3433.4	3435.3	3434.3	O–H stretch	[25, 48, 52]
3527.3	3526.4	---	---	3534.1		

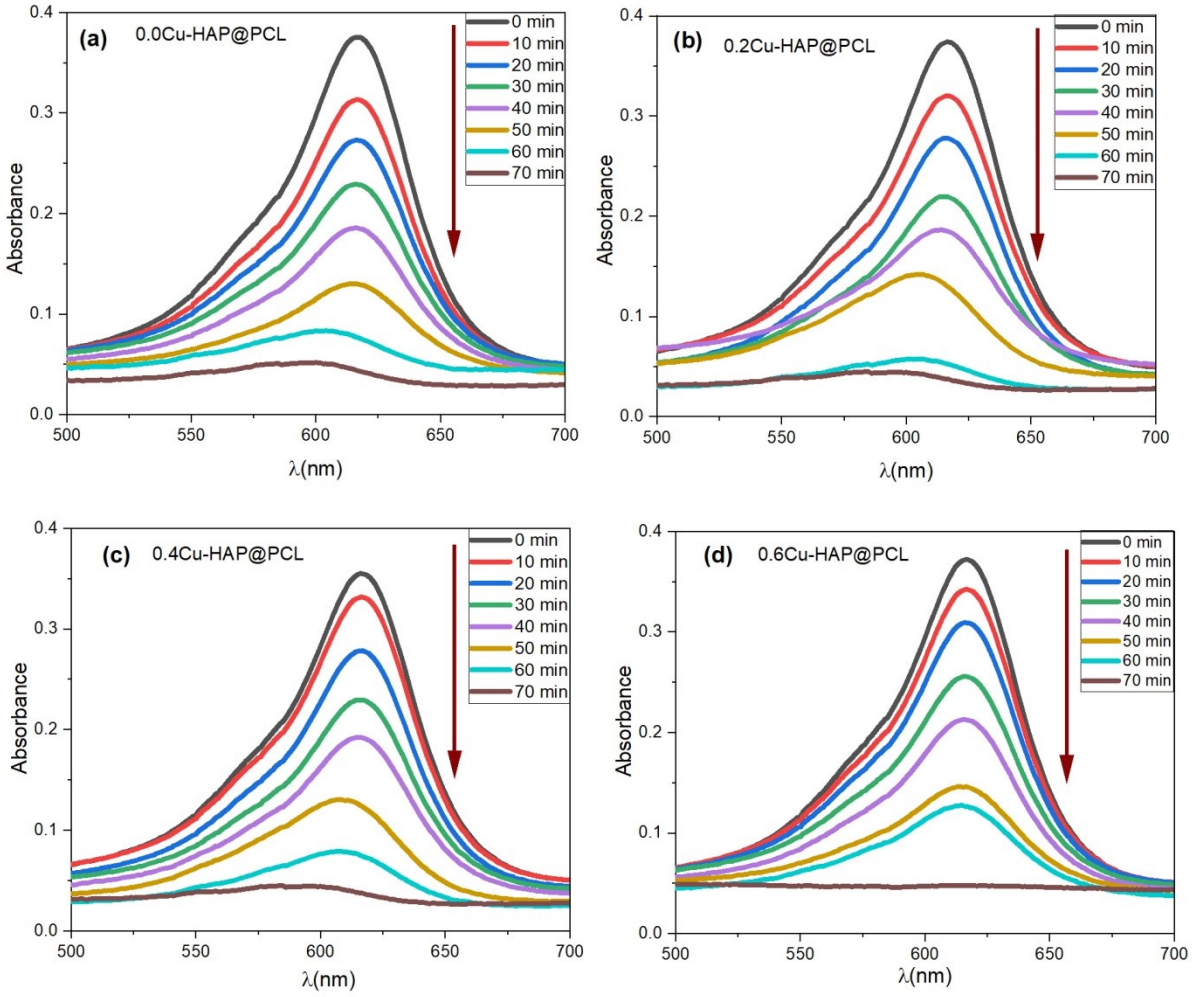

Fig. 2S MB degradation using nanofibrous membranes of Cu-HAP@PCL ; (a-d) degrading spectrum off MB under visible light.