

Article

Graphene@Curcumin-Copper Paintable Coatings for the Prevention of Nosocomial Microbial Infection

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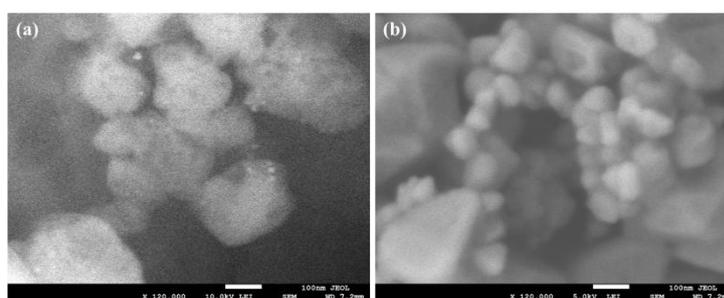


Figure S1. FESEM image of (a) CR and (b) Cu nanoparticles. Figure S1(a-b) shows high resolution FESEM images of CR and Cu. It is clearly evident from Fig. S1(a) that the CR nanoparticles have fluffy structure with critical size nanopores on its surfaces. On the other hand, Cu nanoparticles have solid geometry showing polyhedral shapes [Fig. S1(b)]. Also, it seems that both the samples are highly uniform, dispersed and well separated with any lump or agglomeration.

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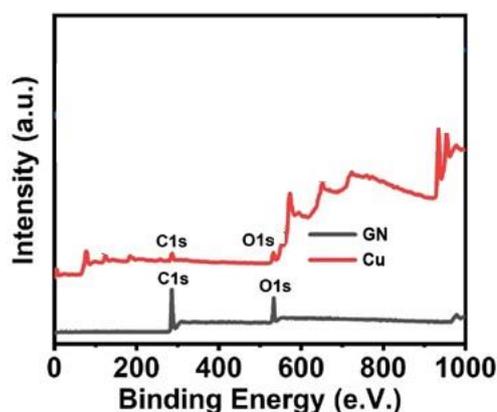


Figure S2. XPS survey scan of GN and Cu.

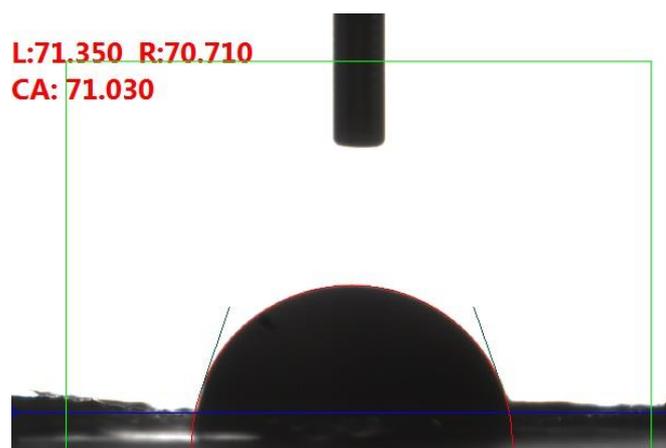


Figure S3. Water contact angle measurement of GN@CR-Cu composite.