

1 **Electronic Supplementary Information**

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3 **Comparative study of preparation, characterization and anticandidal**
4 **activities of chitosan silver nano composite (CAgNC) compared with low**
5 **molecular weight chitosan (LMW-chitosan)**
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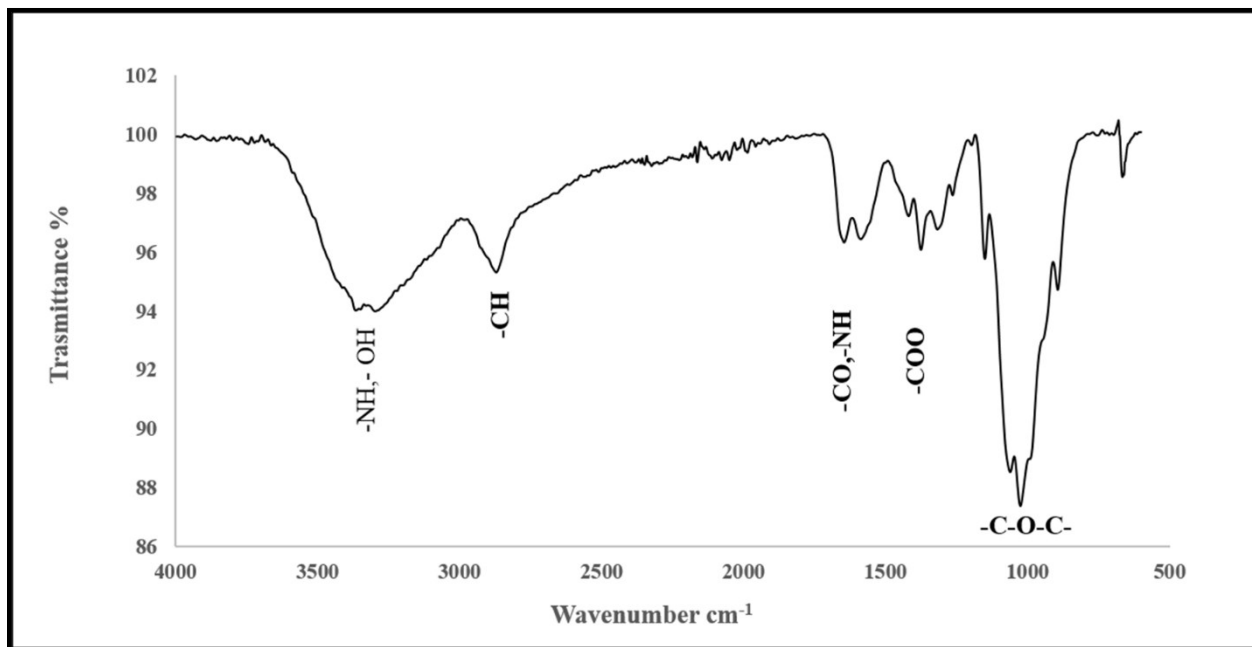
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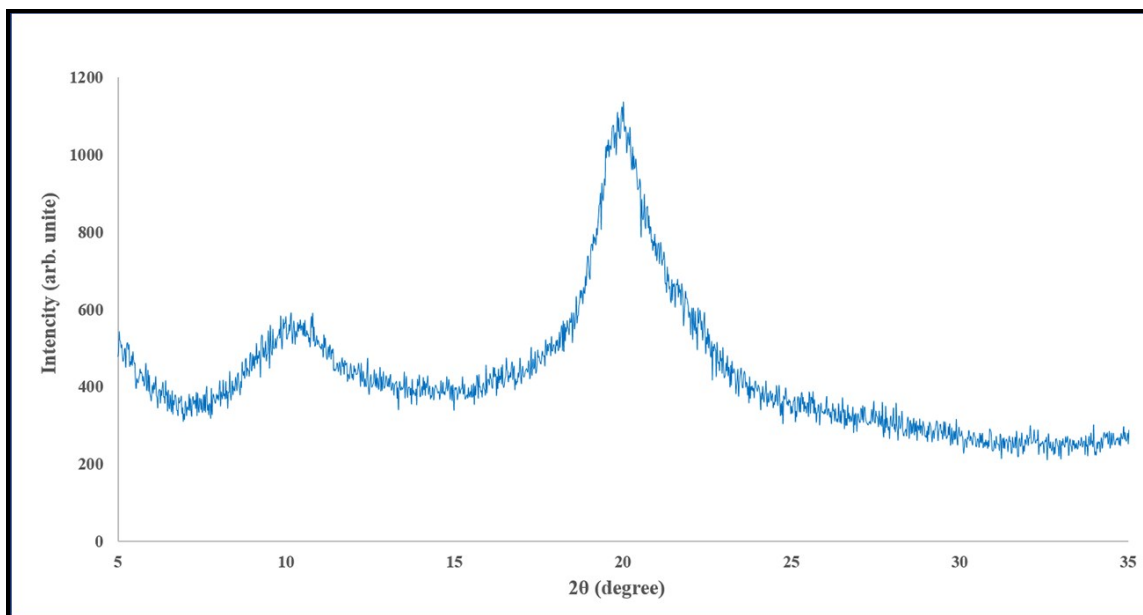
204 x 104 mm (200 x 200 DPI)

30 **Fig. S1** FT-IR spectra of synthesized CAgNC.

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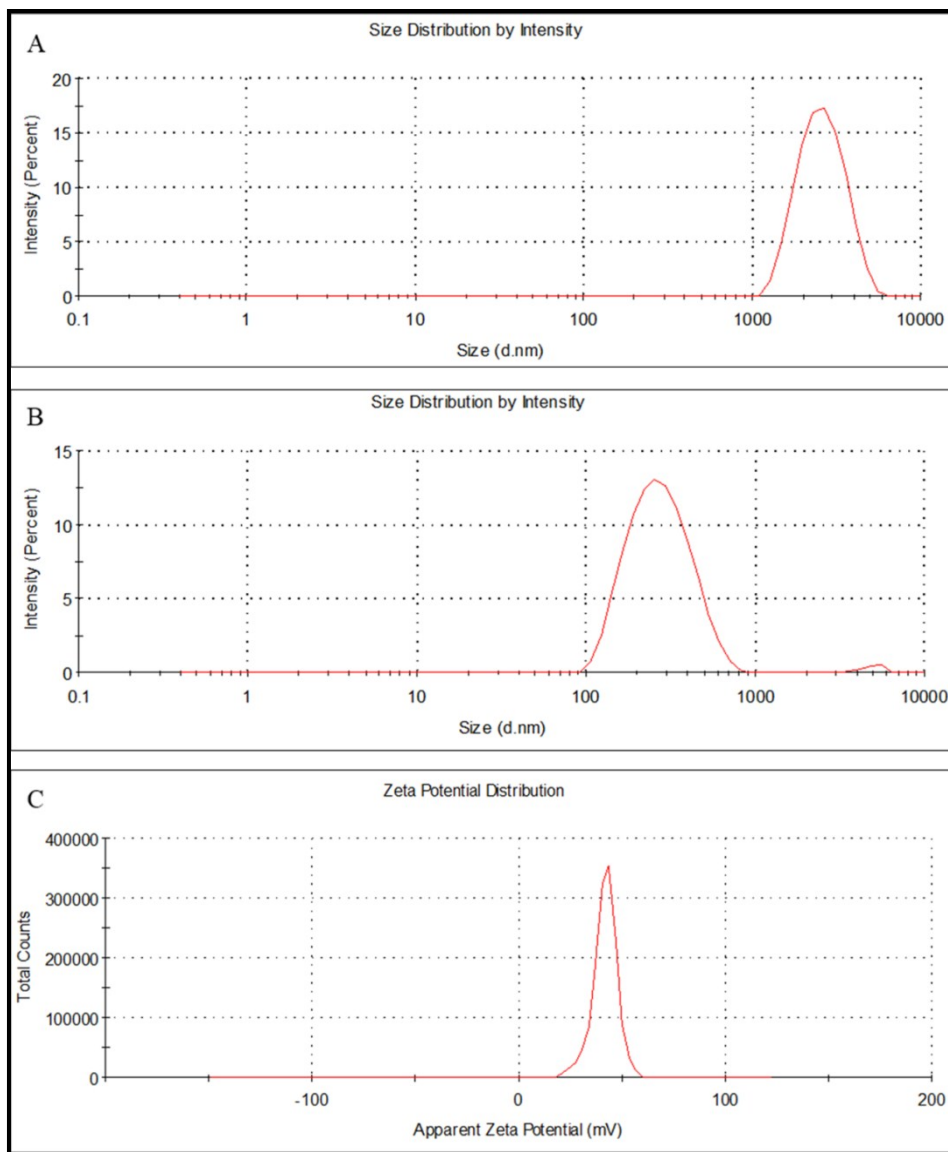
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37 **Fig. S2.** The XRD graphs of the LMW-chitosan.

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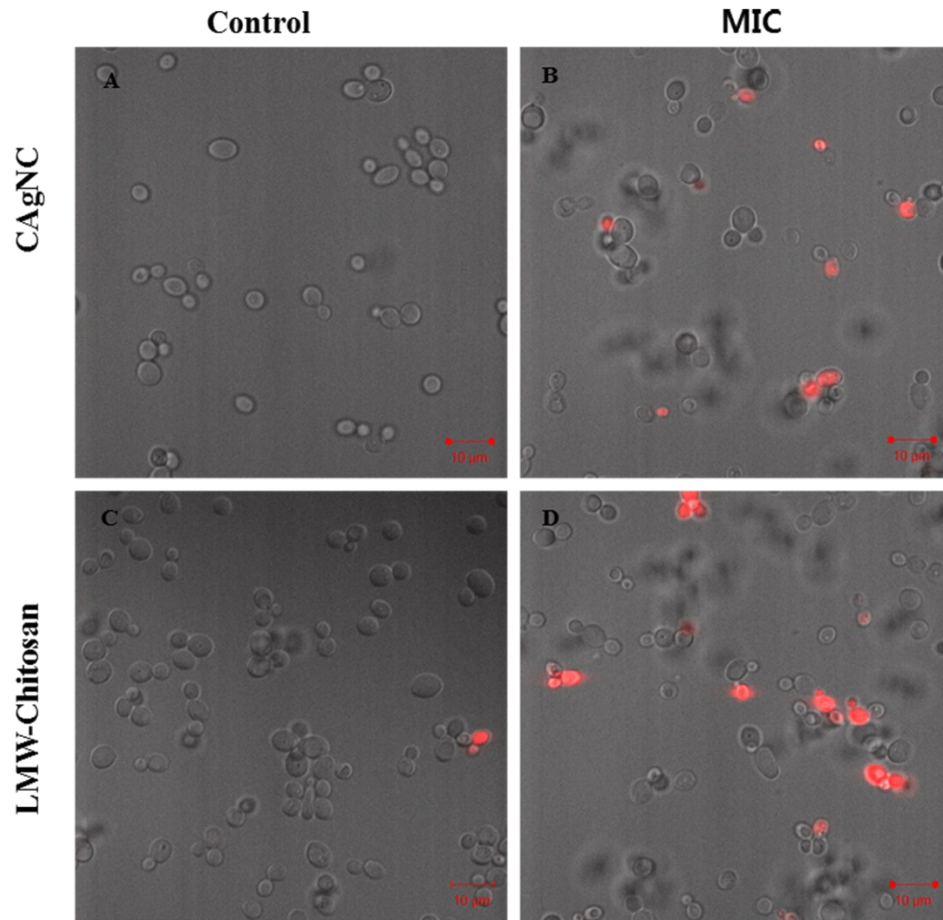
41 **Fig. S3.** Particle size and zeta potential distribution. (A) Size distribution of LMW-chitosan (B)

42 size distribution of CAgNC (C) Zeta potential distribution of CAgNC.

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130 x 123 mm (250 x 250 DPI)

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48 **Figure S4.** Merged image of *C. albicans* taken by confocal laser scanning microscopy (A) Untreated

49 (B) LMW-chitosan treated at MIC level (C) Untreated (D) LMW-chitosan treated at MIC level (Red

50 denotes dead cells).

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