

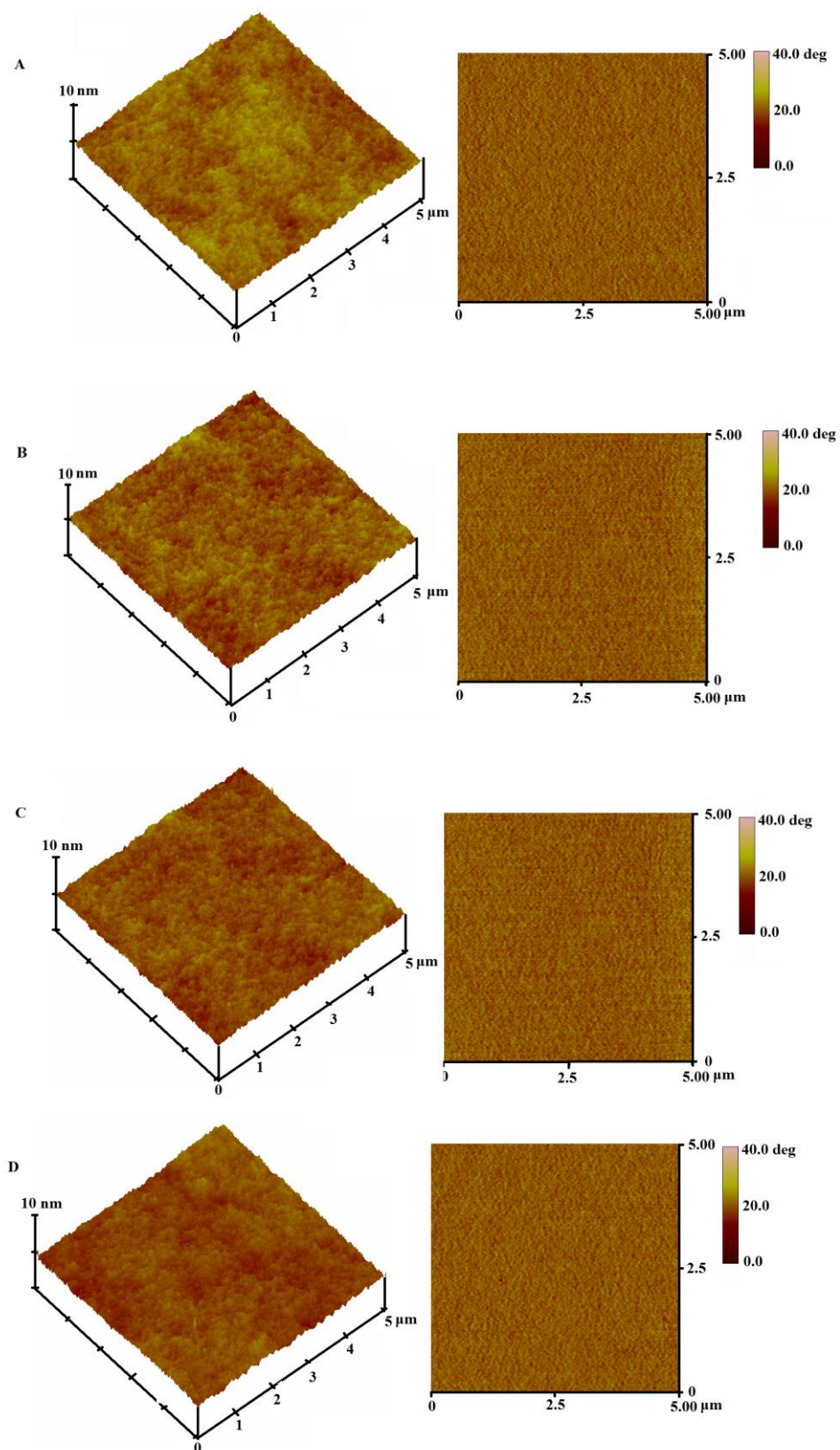
## Electronic Supplementary Information

### **Embedding Graphene Nanoparticles into Poly (*N*, *N'*-dimethylacrylamine) to Prepare Transparent Nanocomposite Films with High Refractive Index**

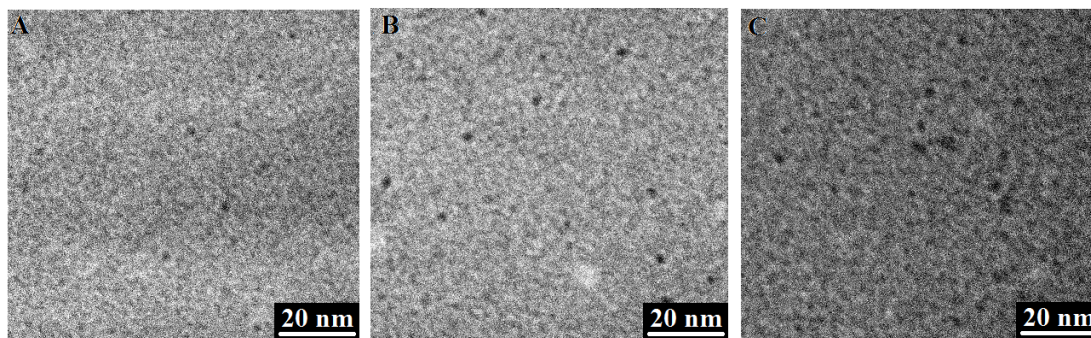
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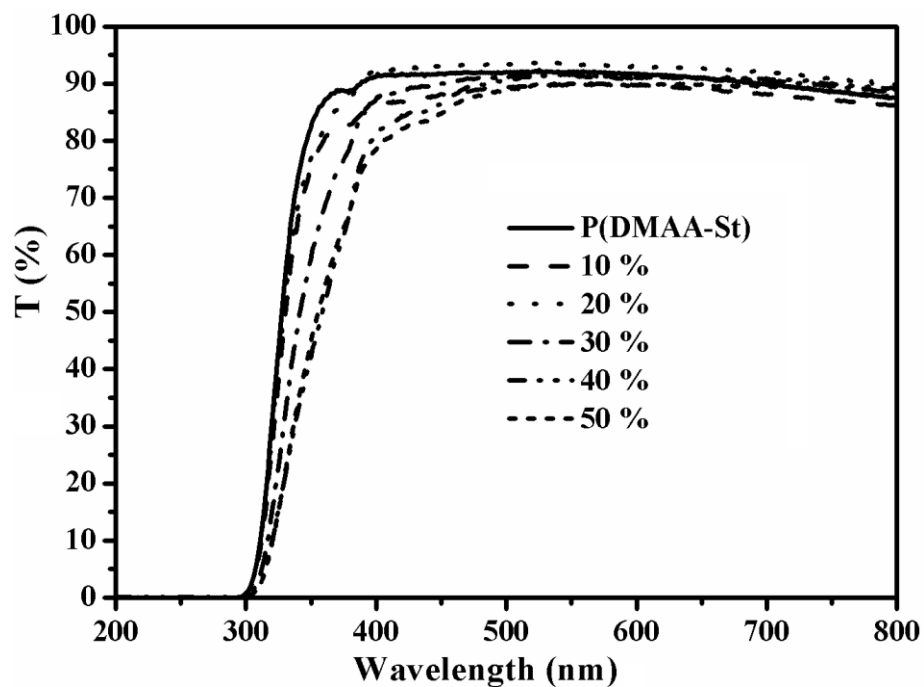
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**Fig. S1** AFM images of pristine PDMAA (A) and GNPs-PDMAA with 10 wt% (B), 30 wt% (C), 50 wt% (D) contents of GNPs. (Left) height, (right) phase.



**Fig. S2** TEM images of the nanocomposite films of GNPs-P(DMAA-St) with 10 wt% (A), 30 wt% (B), 50 wt% (C) contents of GNPs.



**Fig. S3** UV-vis transmittance spectra of GNPs-P(DMAA-St) with different content of GNPs.