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Supporting Information

Enhanced sensing of hazardous 4-Nitrophenol by graphene oxide-TiO_2 composite: Environmental Pollutant Monitoring application

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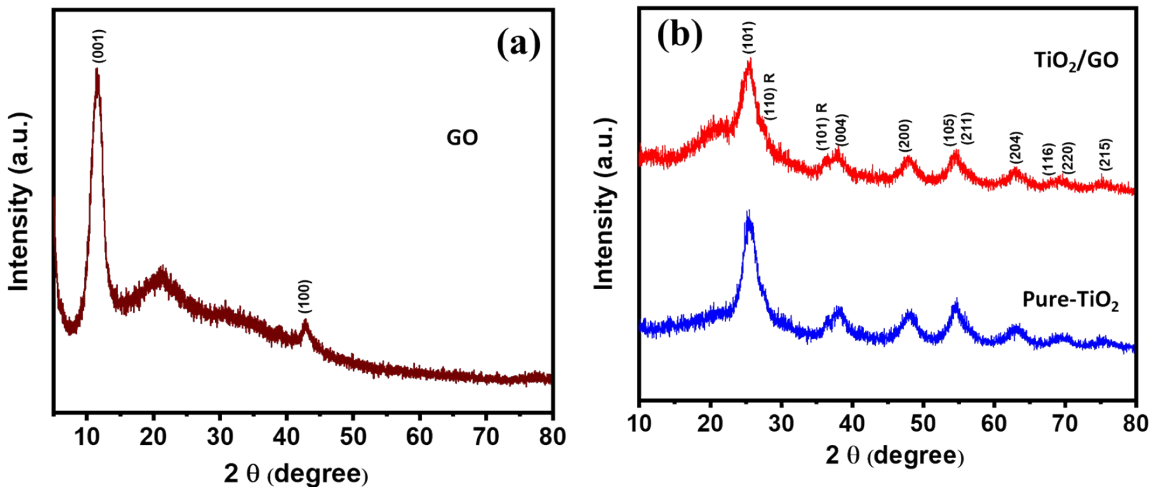

Fig. S1. **Powder X-ray diffraction patterns of (a) GO, (b) TiO_2 nanoparticles and TiO_2/GO nanocomposite.**

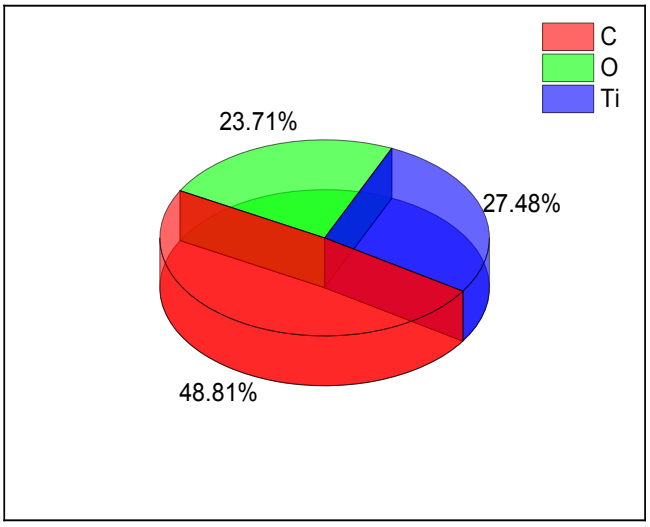

Fig.S2. EDS weight percentage of GO/TiO_2 nanocomposite.

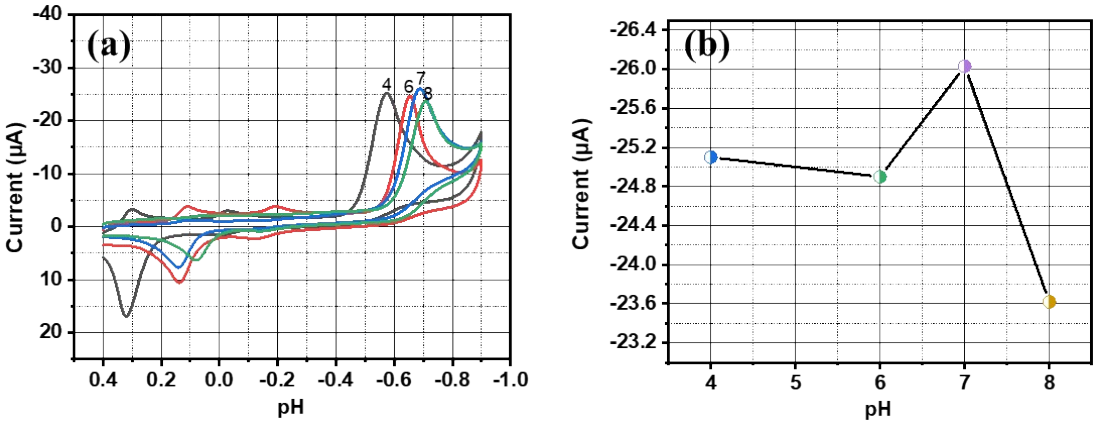

Fig.S3. **(a) CVs of the reduction of 4-NP (200 μM) at GO/TiO_2/GCE in different pHs such as 4, 6, 7, 8 and (b) the 4-NP reduction peak current responses vs. different pHs.**

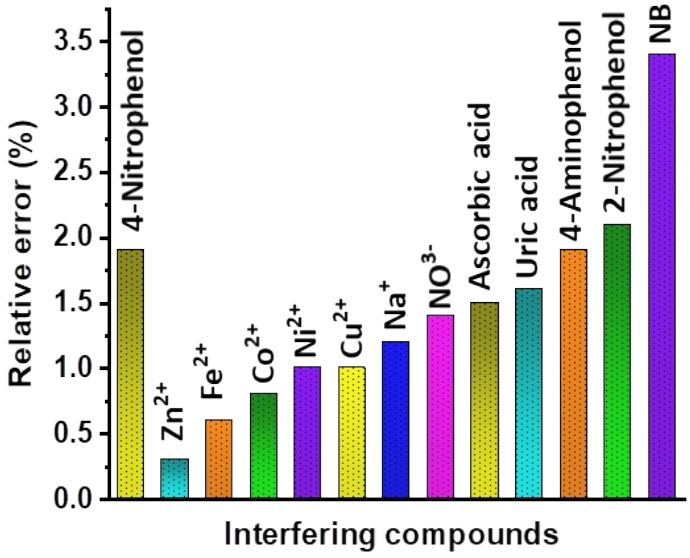

Fig. S3. Relative error for the interfering compounds.

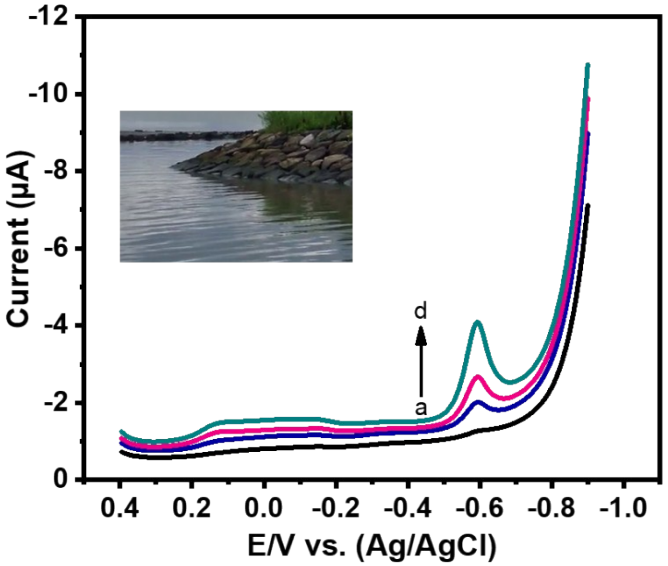

Fig.S4. **The real sample analysis of 4-NP in river water sample using the standard addition method.**