

## ***Electronic Supplementary Information***

### **The fabrication of N doped carbon dots by methionine and their utility in sensing**

#### **Cu<sup>2+</sup> in real water**

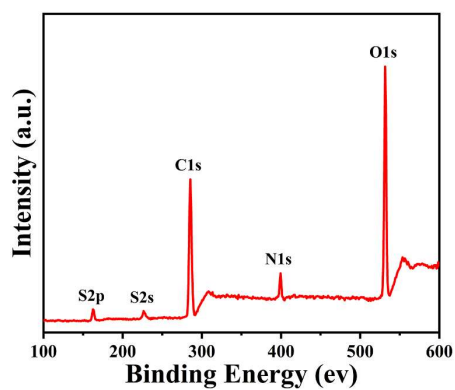
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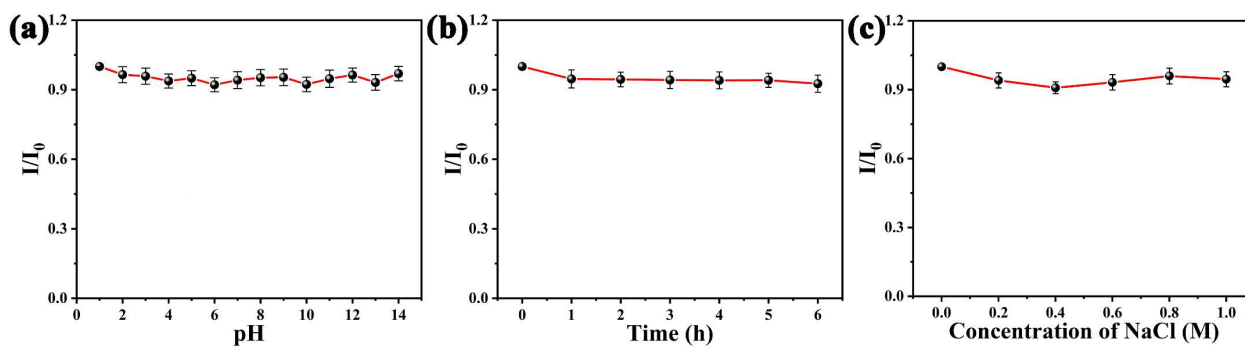
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**Figure S1.** The XPS analysis of the Met-CDs (survey).



**Figure S2.** The Fluorescence spectra of Met-CDs under (a) different pH conditions, (b) different UV durations, and (c) different NaCl concentrations.