

## **Supporting Information (SI):**

### **Photochemical Assisted Formation of Silver Nanoparticles by Dithizone and its Application in Amperometric Sensing of Cefotaxime**

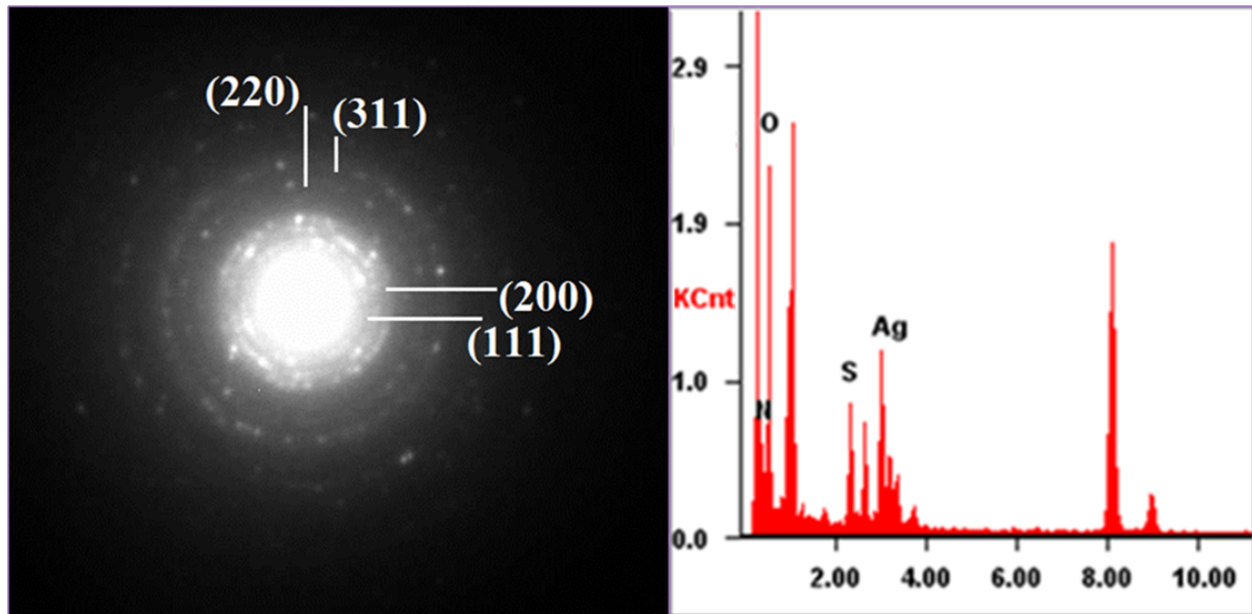
**Sandeep Gupta, Rajiv Prakash\***

School of Materials Science and Technology  
Indian Institute of Technology (Banaras Hindu University)  
Varanasi-221005, India

\*Corresponding Author: Fax: +91-542-2368707

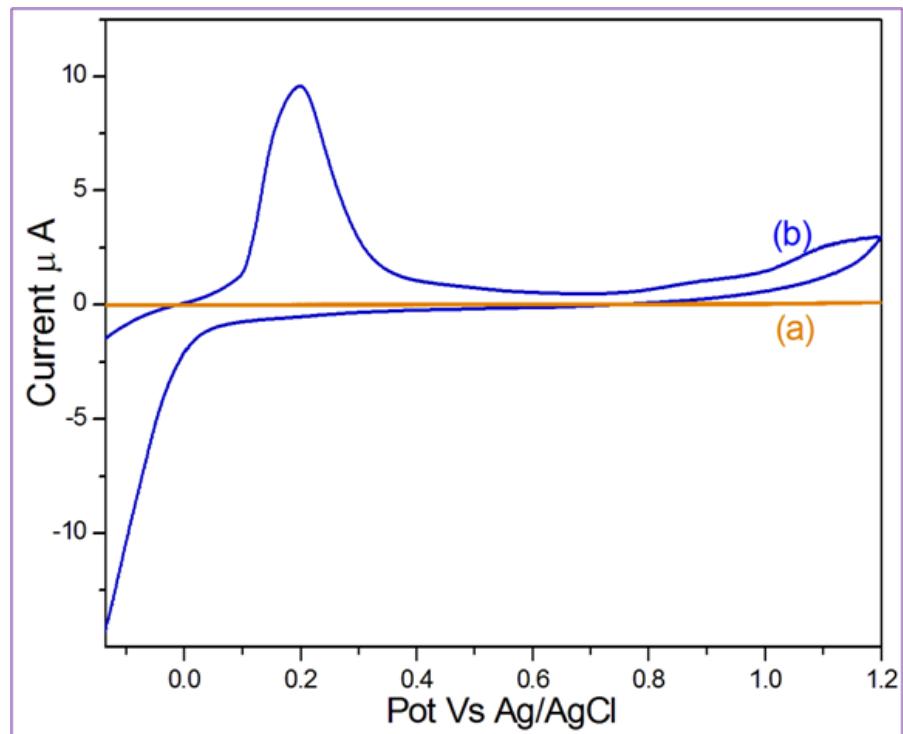
E-mail: [rajivprakash12@yahoo.com](mailto:rajivprakash12@yahoo.com)

SI-1



**Figure SI-1.** SAED and EDAX spectrum of the corresponding TEM images of silver nanoparticles.

## SI-2



**Figure SI-2.** (a) CV of bare unmodified electrode (b) modified electrode with Ag-DTZH  
Characteristics CV of AgNPs

Characteristics voltammograms of hybrid nanomaterial (Ag-DTZH) showing the oxidation of silver which confirm the electrode is modified with material and support the result.