

### Electronic Supplementary Information

## Surface basicity mediated rapid and selective adsorptive removal of Congo red over nanocrystalline mesoporous CeO<sub>2</sub>

Deepak Joshy<sup>a</sup>, Seena Chakko<sup>a</sup>, Yahya A. Ismail<sup>a</sup>, Pradeepan Periyat<sup>\*a, b</sup>

<sup>a</sup>Department of Chemistry, University of Calicut, Kerala, India-673635.

<sup>b</sup>Department of Environmental Studies, Kannur University, Kerala, India

E-mail: [pperiyat@uoc.ac.in](mailto:pperiyat@uoc.ac.in)/[pperiyat@kannuruniv.ac.in](mailto:pperiyat@kannuruniv.ac.in)

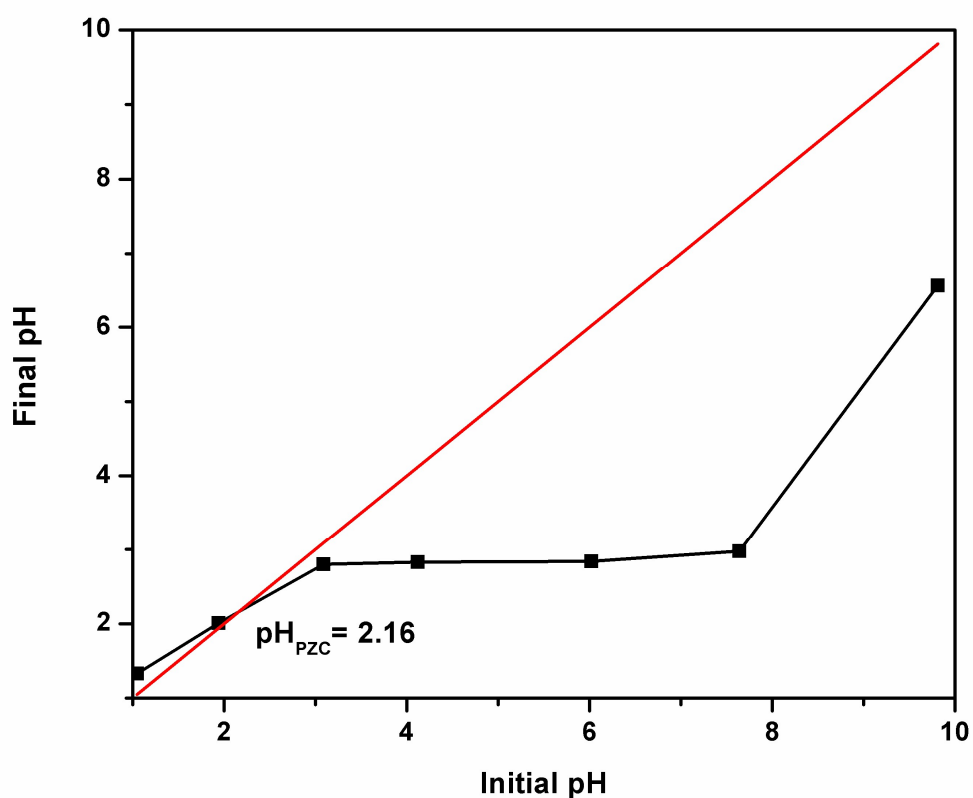


Fig. S1 The plot showing the determination of pH<sub>PZC</sub> by pH drift method.