**Ceria-zirconia solid solution loaded hierarchical MFI zeolite: an efficient catalyst for solvent free oxidation**

 **of ethyl benzene**

**Mithun Nandi and Anup Kumar Talukdar \***

*Department of Chemistry, Gauhati University*

*Guwahati, Assam, 781014, India*

*Corresponding author : guchem.talukdar@gmail.com*

**Supplementary information**

**Table of contents**

|  |
| --- |
| **Figure S1** First order linerfit for the reaction over catalyst CZD650 at different temperatures (a) 323 K (b) 343 K (c) 353 K (d) 363 K.**Figure S2** Arrhenius plot for the oxidation of ethyl benzene over catalyst CZD650. |

****

**Figure S1** First order linerfit for the reaction over catalyst CZD650 at different temperatures (a) 323 K (b) 343 K (c) 353 K (d) 363 K.

****

**Figure S2** Arrhenius plot for the oxidation of ethyl benzene over catalyst CZD650.