catalysts

Supplementary Materials: MOF Embedded and Cu Doped CeO_2 Nanostructures as Efficient Catalyst for Adipic Acid Production: Green Catalysis

Shabahat Bibi [1], Erum Pervaiz [1,*], Minghui Yang [2] and Osama Rabi [1]

[1] Heterogeneous Catalysis Lab, Department of Chemical Engineering, School of Chemical & Materials Engineering (SCME), National University of Sciences & Technology (NUST), Sector H-12, Islamabad 44000, Pakistan; sbibi_che4@scme.nust.edu.pk (S.B.); orabi.che6@scme.nust.edu.pk (O.R.)
[2] Solid State functional Materials Research Lab, Ningbo Institute of Materials Technology and Engineering (NIMTE), Chinese Academy of Sciences (CAS), Ningbo 315201, China; myang@nimte.ac.cn
* Correspondence: erum.pervaiz@scme.nust.edu.pk; Tel.: +92-51-90855113

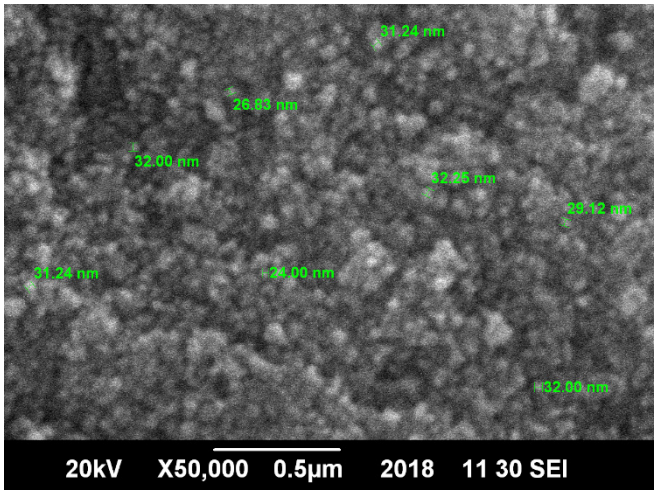

Figure S1. SEM image of CeO_2 nanoparticles with diameters.

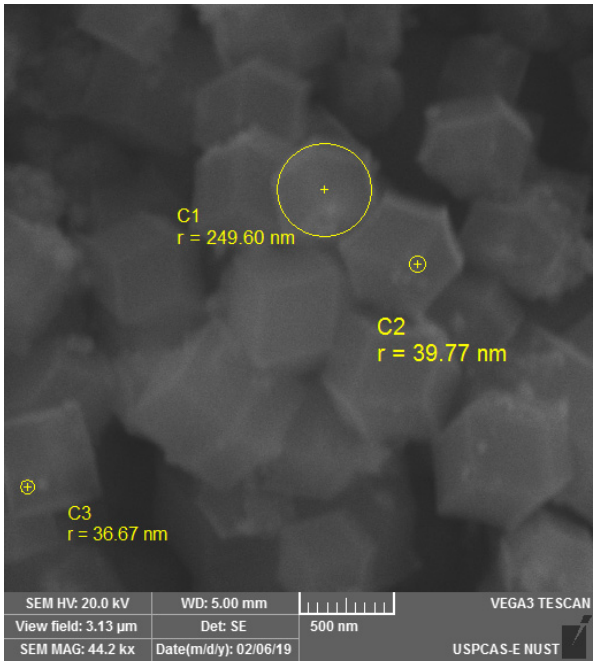

Figure S2. SEM image of ZIF-67/CeO_2 with particle size.

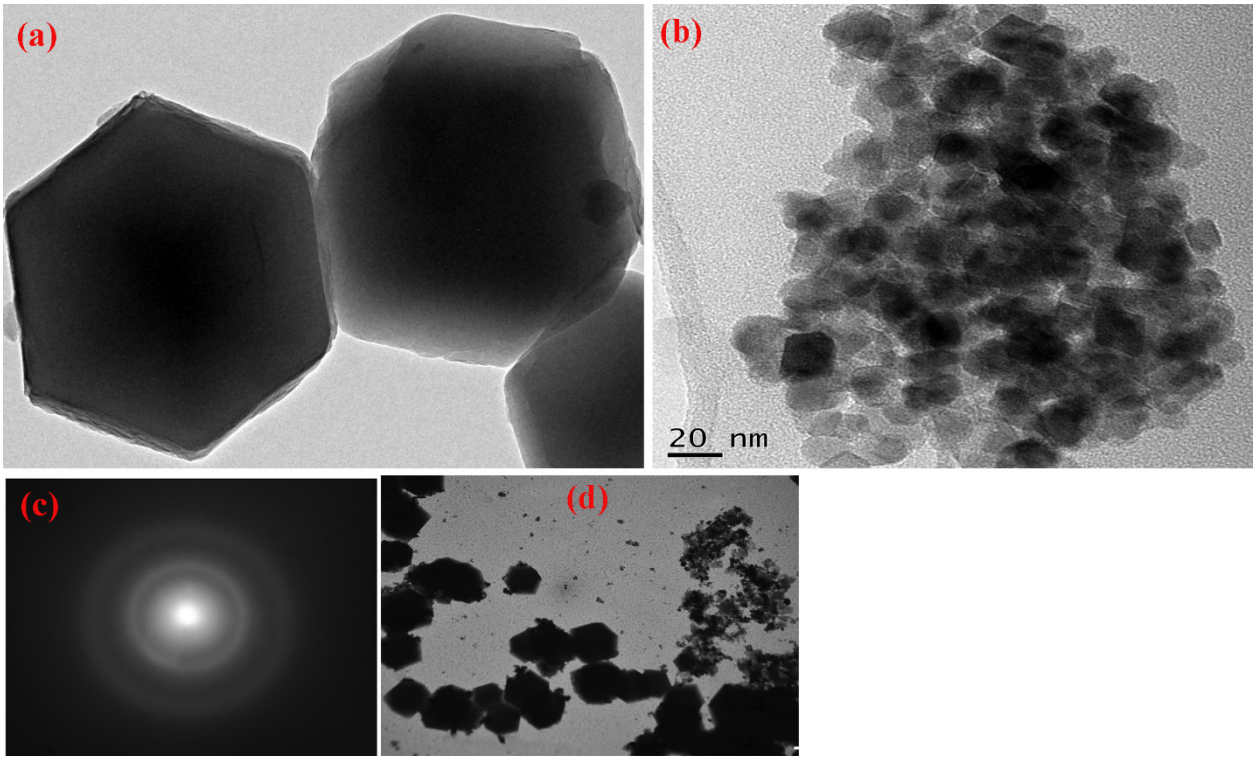

Figure S3. TEM images of (**a**) Pure ZIF-67 (**b**) Pure CeO_2 Nanoparticles (**c**) HRTEM (SAED) Pattern of ZIF-67/CeO_2 Nanohybrids (**d**) Low Resolution TEM of ZIF-67/CeO_2 Nanohybrids.

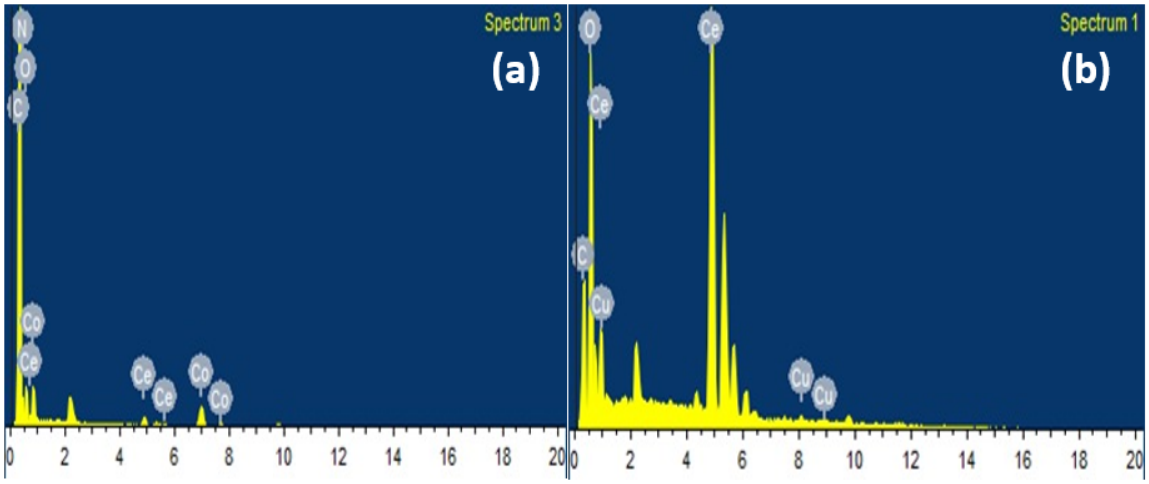

Figure S4. EDS spectrums (**a**) ZIF-67/CeO_2 (**b**) Cu doped CeO_2.

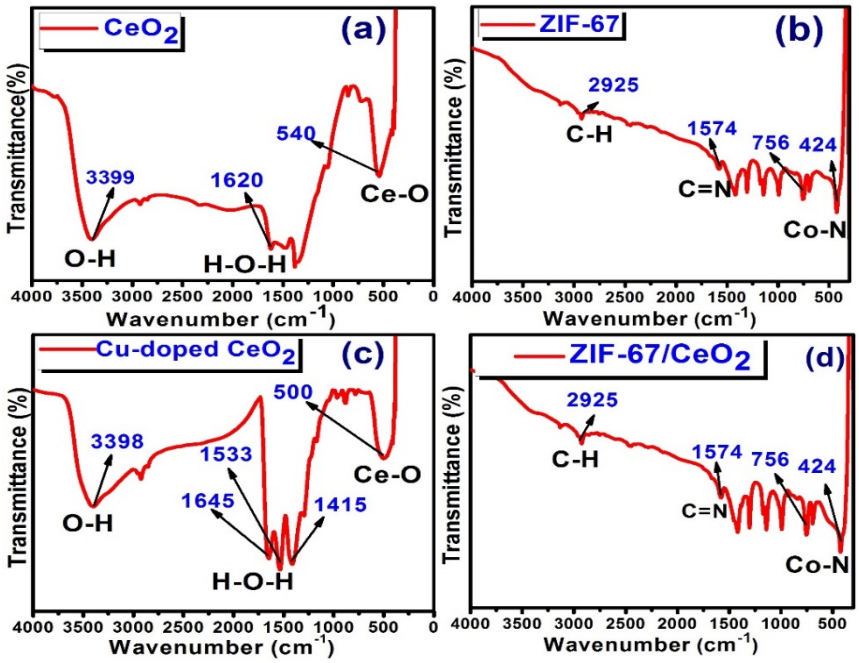

Figure S5. FTIR spectrum of (**a**) Pure CeO_2 (**b**) Pure ZIF-67 (**c**) 10% Cu doped CeO_2 (**d**) ZIF-67/CeO_2 Nanohybrids.