Electronic Supplementary Information

Design of highly efficient Mo and W promoted SnO₂ solid acids for heterogeneous catalysis: Acetalization of bio-glycerol

Baithy Mallesham, Putla Sudarsanam, Gangadhara Raju, Benjaram M. Reddy*

Inorganic and Physical Chemistry Division, Indian Institute of Chemical Technology, Uppal Road, Hyderabad – 500 607, India * Corresponding author. Phone: +91 40 2719 1714; fax: +91 40 2716 0921. E-mail addresses: bmreddy@iict.res.in; mreddyb@yahoo.com (B.M. Reddy).



Fig. S1. Williamson–Hall plots of Sn (SnO₂), WSn (WO₃/SnO₂) and MSn (MoO₃/SnO₂) catalysts.



Fig. S2. FT-IR spectrum of Sn (SnO₂), WSn (WO₃/SnO₂) and MSn (MoO₃/SnO₂) catalysts.



Fig. S3. Reusability analysis of MSn (MoO₃/SnO₂) catalyst for the acetalization of glycerol with acetone.



Fig. S4. Reusability analysis of MSn (MoO₃/SnO₂) catalyst for the acetalization of glycerol with furfural.