Electronic Supporting information

Direct synthesis of dimethyl ether from CO\(_2\) hydrogenation over highly active, selective and stable catalyst containing Cu-ZnO-\(\text{Al}_2\text{O}_3/\text{Al-Zr}(1:1)-\text{SBA-15}\)

Ujjal Mondal and Ganapati D. Yadav *

+Department of Chemical Engineering,
Institute of Chemical Technology,
Nathalal Parekh Marg, Matunga,
Mumbai 400019, India.

E-mail address: gd.yadav@ictmumbai.edu.in; gdyadav@yahoo.com.
Tel.: +91-22-3361-2010. Fax: +91-22-3361-1020.

ORCID

Ujjal Mondal: 0000-0003-2985-2197
Ganapati D. Yadav: 0000-0002-8603-3959
Table of content

Figure S1: N$_2$ adsorption-desorption isotherms of different metal-doped SBA-15 samples prepared with different Al and Zr content.

Figure S2: Pore size distribution curves of different metal-doped SBA-15 samples prepared with different Al and Zr content.
Figure S1: N₂ adsorption-desorption isotherms of different metal-doped SBA-15 samples prepared with different Al and Zr content.

Figure 2. Pore size distribution curves of different metal-doped SBA-15 samples prepared with different Al and Zr content.