

Electronic Supplementary Material

Sulfonic acid-functionalized mesoporous silica catalyst with different morphology for biodiesel production

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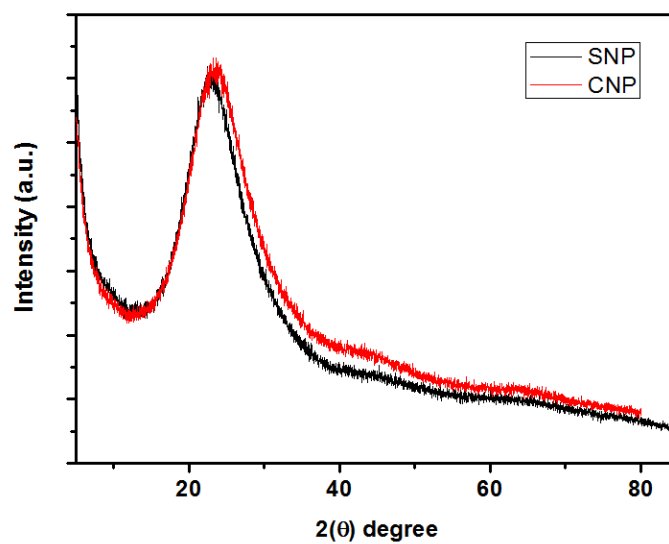


Figure S1. XRD patterns of SNP and CNP

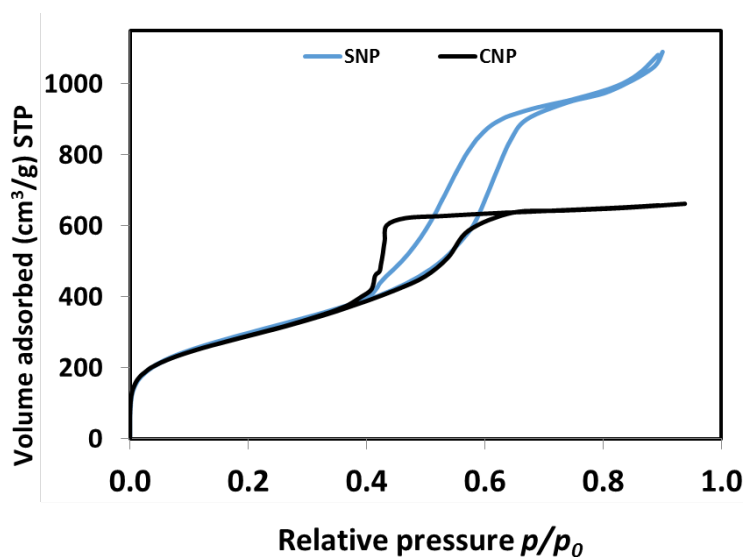


Figure S2. N₂ adsorption-desorption isotherms of SNP and CNP

The XRD patterns of SNP, S-SH and S-SOH are shown in figure S3. The XRD patterns of the mesoporous silica nanoparticles indicates a broad peak at $2\theta = 22^\circ$, which reveals the amorphous nature of the mesoporous silica materials. Further, to confirm the ordered structure within these materials samples need to be further investigated for small angle X-ray diffraction

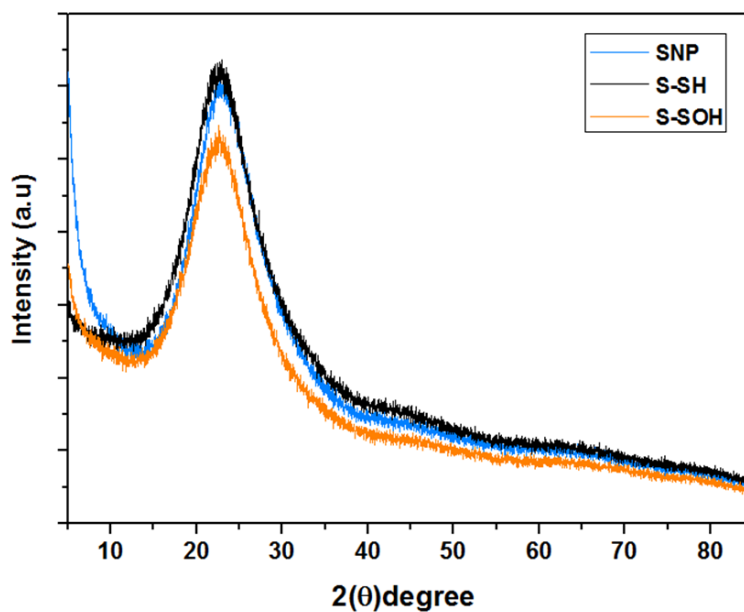


Figure S3. Powder XRD of SNP, S-SH and catalyst (S-SOH)