

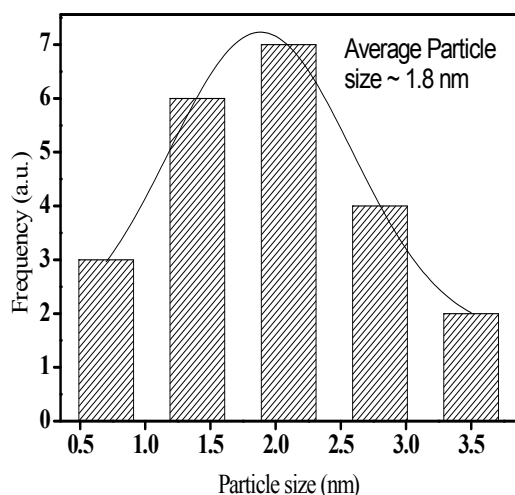
Supporting information

Nanocrystalline potassium impregnated SiO₂ as heterogeneous catalysts for the transesterification of karanja and jatropha oil

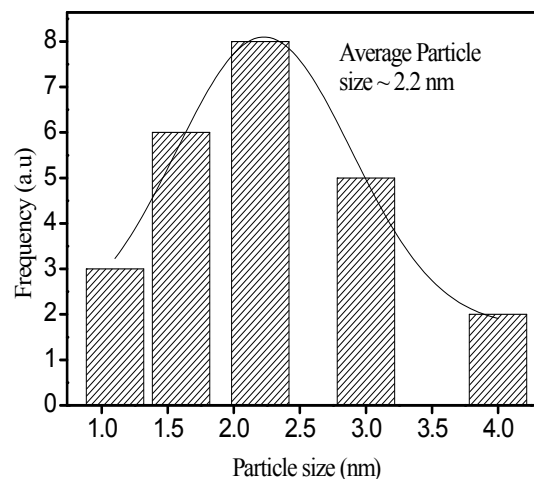
Vishal Mutreja^a, Satnam Singh^{b*}, Tajbir Kaur Minhas^b and Amjad Ali^b

^a Department of Chemistry, Maharishi Markandeshwar University, Mullana, India

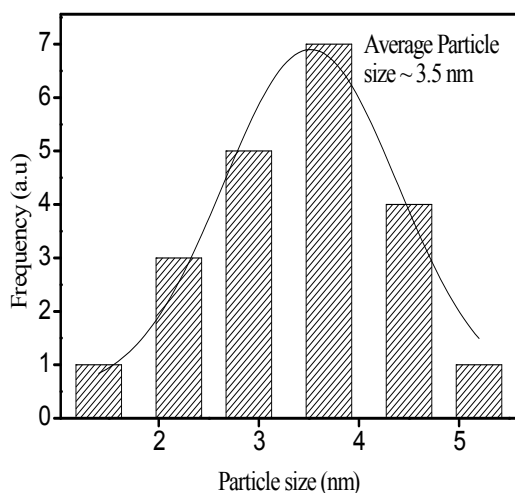
^b School of Chemistry and Biochemistry, Thapar University, Patiala-147004 (India)



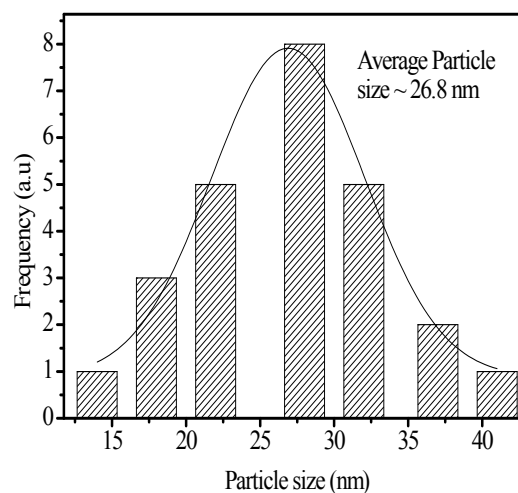
S.I.-Fig. 1 Histogram for the diameters of impregnated species in Si: K-2.



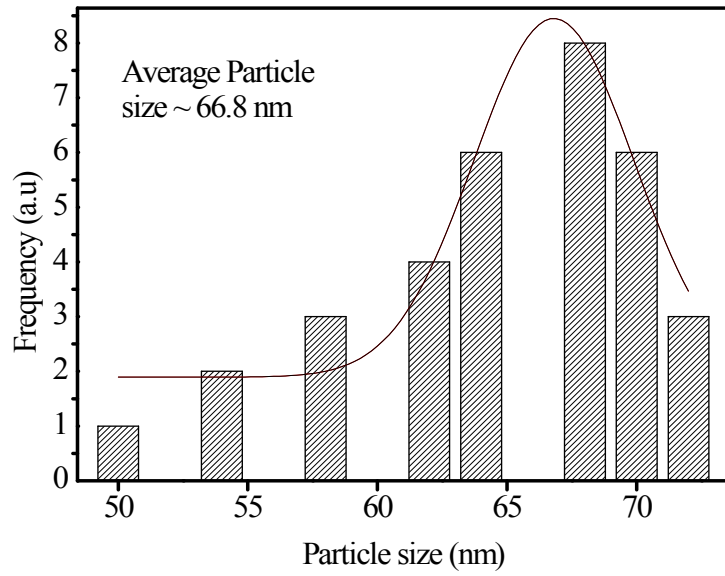
S.I.- Fig. 2 Histogram for the diameters of impregnated species in Si: K-4.



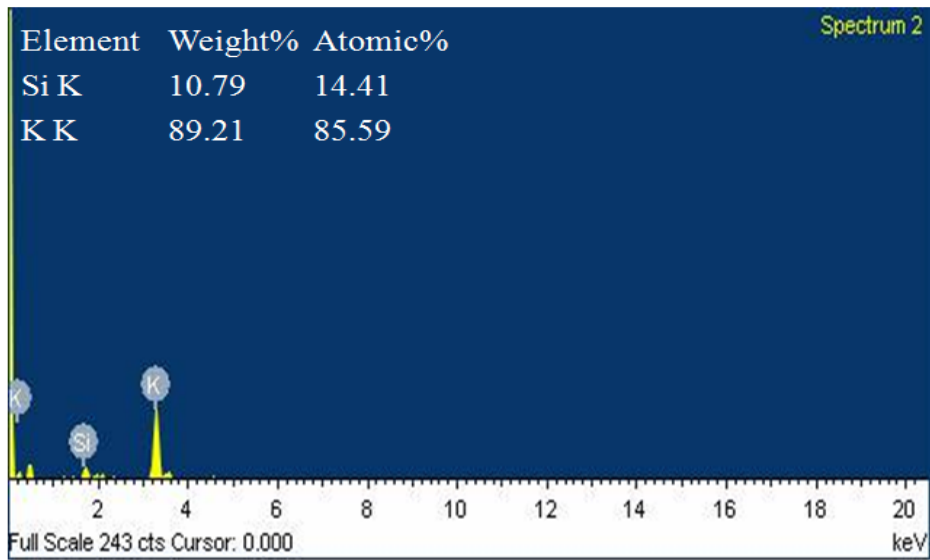
S.I.-Fig. 3 Histogram for the diameters of impregnated species in Si: K-6.



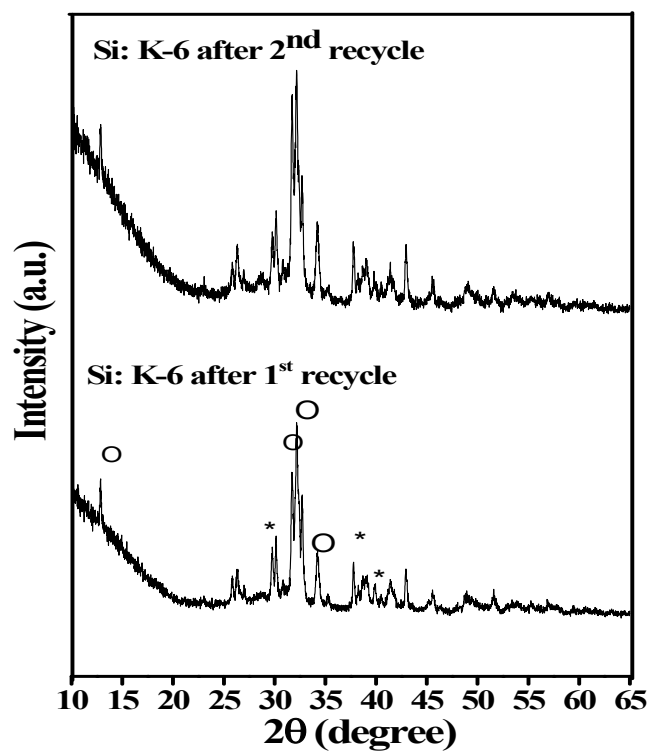
S.I.- Fig. 4 Histogram for the particle size distribution of SiO₂ in Si: K-2



S.I.- Fig. 5 Histogram for the particle size distribution of SiO₂ in Si: K-6



S.I.-Fig. 6. SEM-EDX measurement of Si: K-6.



S.I.-Fig. 7. Powder XRD pattern of reused Si: K-X-6 catalysts (*, $K_2Si_2O_5$; O, $K_6Si_3O_9$).