



SEM images of (a) Si-1, (b) Si-3, (c) Si-1-IL-HSO₄ and (d) Si-3-IL-HSO₄ samples.

Table. Level of variables for central composite design 2² for fructose dehydration using Si-3-IL-HSO₄ sample.

Variables	Levels				
	-1.414	-1	0	1	+1.414
C (mg) X1	15.9	20	30	40	44.1
T (°C) X2	81.8	90	110	130	138.2