Supplemental data

Modulation of cytotoxicity by consecutive adsorption of tannic acid and pesticide on surfactant functionalized zeolites

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Table S1. Summarized data from several papers - green highlighted the maximum adsorbed quantity given in the paper, yellow highlights are related to the maximum available amount of tannic acid (TA) that could be adsorbed in suspension mixture and blue denotes calculated adsorption efficiency for TA removal.

Adsorbent/ref	**Mass adsorbent /mg**	**Conc. TA /mg/L**	**Vol. TA/ ml**	**maximum adsorbed quantity/ mg/g**	**quantity in suspension/mg /g**	**removal efficiency/ %**
Natural zeolite - cetylpyridinium bromide J. Lin et al. / Journal of Hazardous Materials 193 (2011) 102–111	50	100	100	93.3	200	46.65
Amino-functionalized magnetic MCM-41 J. Wang et al. / Chemical Engineering Journal 165 (2010) 10–16	10	200	50	512.57	1000	51.26
Amino-functionalized magnetic nanoparticles J. Wang et al. / Desalination 273 (2011) 285–291	20	100	50	142.45	250	56.98
bentonite clay / hexadecyltrimethylammonium chloride T.S. Anirudhan, M. Ramachandran / Journal of Colloid and Interface Science 299 (2006) 116–124	100	680.4	50	166,736	340	49.04
chitosan-montmorillonite J.-H. An, S. Dultz / Applied Clay Science 36 (2007) 256–264	30	1000	30	240	1000	24.00
hydrotalcite calcined Thayyath S. Anirudhan and Padmajan S. Suchithra / Ind. Eng. Chem. Res 46 (2007) 4606–4613	100	1275	50	520	640	81.25

trimethyl ammonium chloride modified attapulgite J. Huang et al. / Journal of Hazardous Materials 160 (2008) 382–387	200	1000	50	200	250	80.00
deacetylated konjac glucomannan F. Liu et al. / Journal of Hazardous Materials 178 (2010) 844–850	200	8505	50	892	2126	41.96
cationic surfactants /FAU zeolites Manuscript data	**50**	**2000**	**2**	**67.7**	**80**	**84.62**

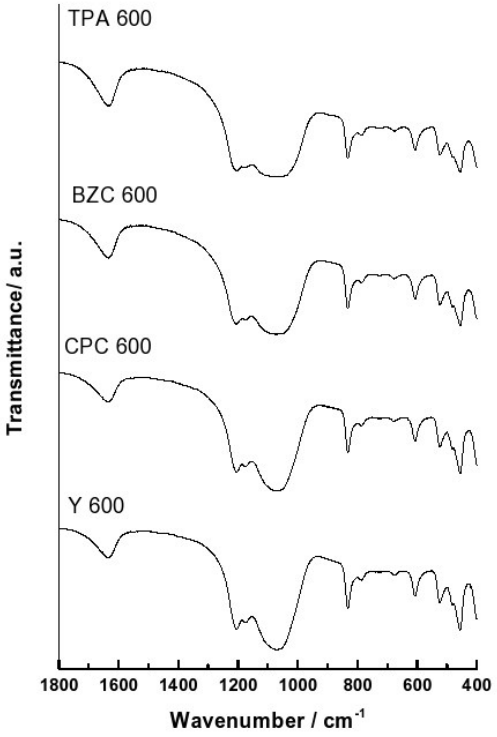

Fig. S1. FTIR spectra of Y 600 and corresponding modified samples

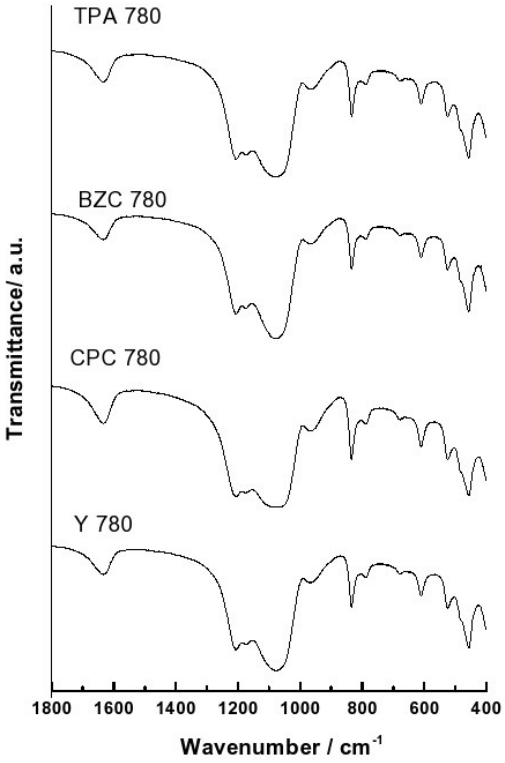

Fig S2. FTIR spectra of Y 780 and corresponding modified samples

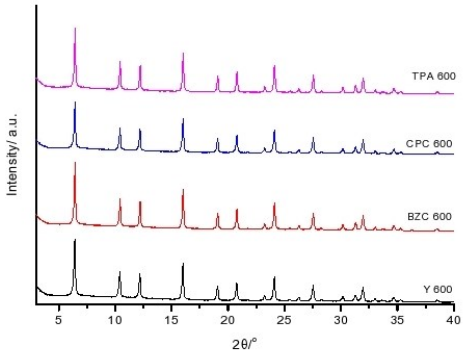

Fig.S3. XRD patterns of the Y 600 and corresponding modified samples

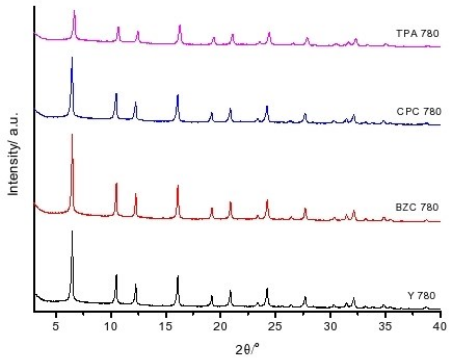

Fig.S4. XRD patterns of the Y 780 and corresponding modified samples

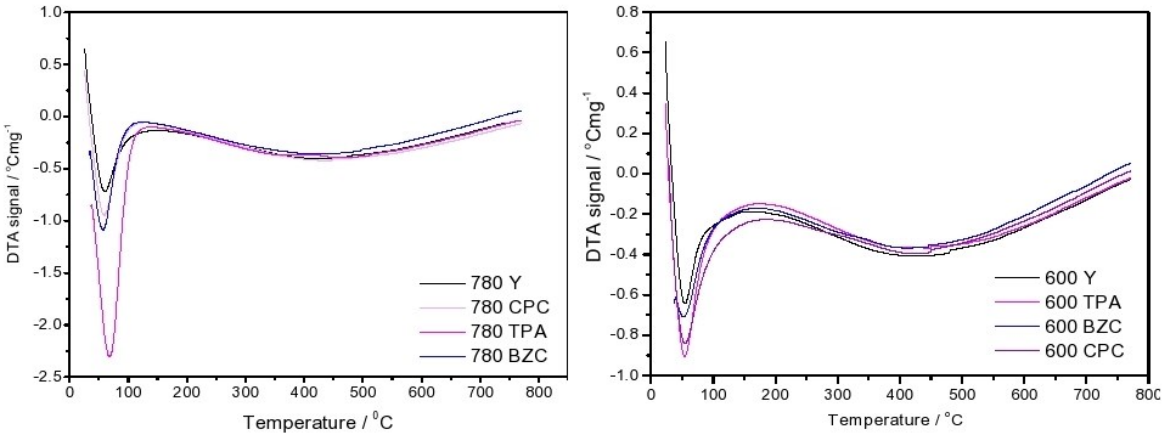

Fig. S5. DTA curves for zeolites Y 780,Y 600 and corresponding modified samples