

Electronic Supplementary Information

**Design and Synthesis of Imidazolium-mediated Poly(ionic liquid)
Hydrogels for Multifunction Pollutant Removal Systems**

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Figure S1. ^1H NMR spectrum of [BIMEG₃] monomer in DMSO-d₆

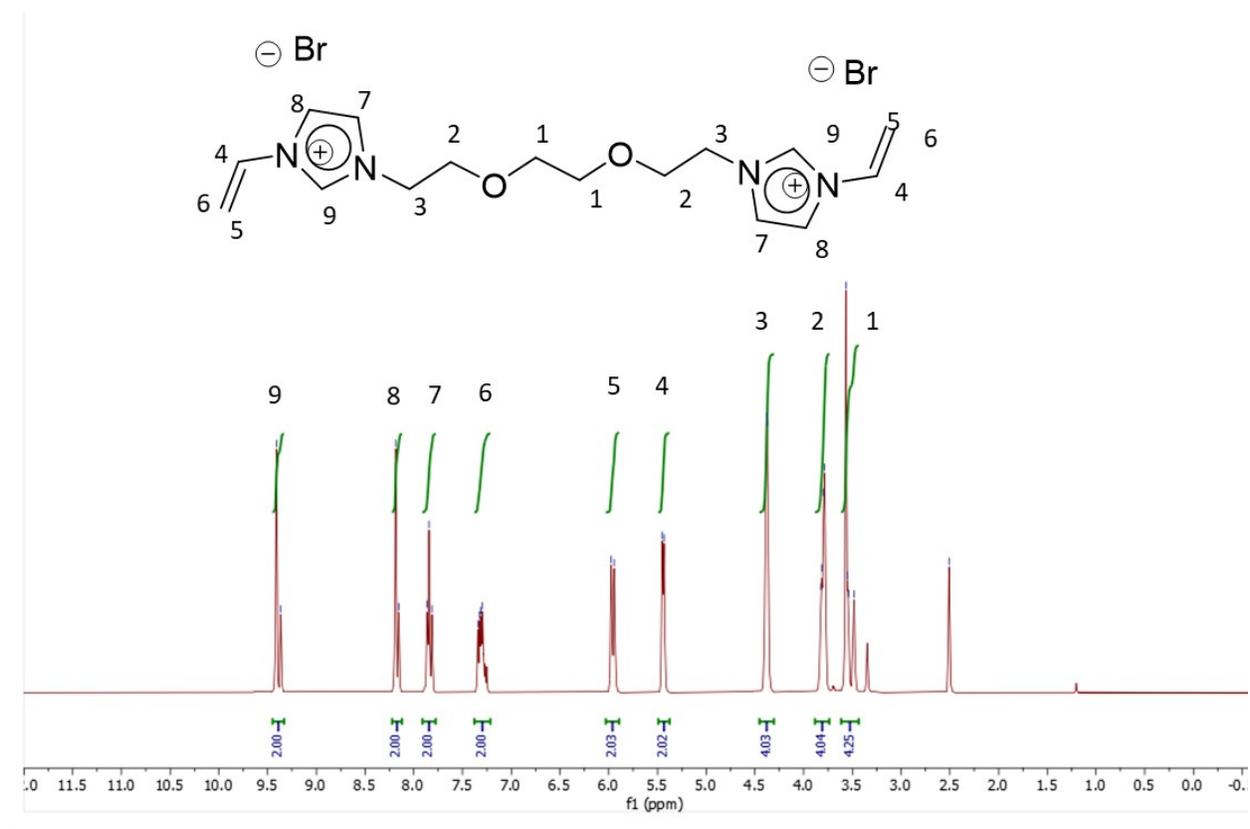


Figure S2. Calibration curve for Methyl Orange adsorption.

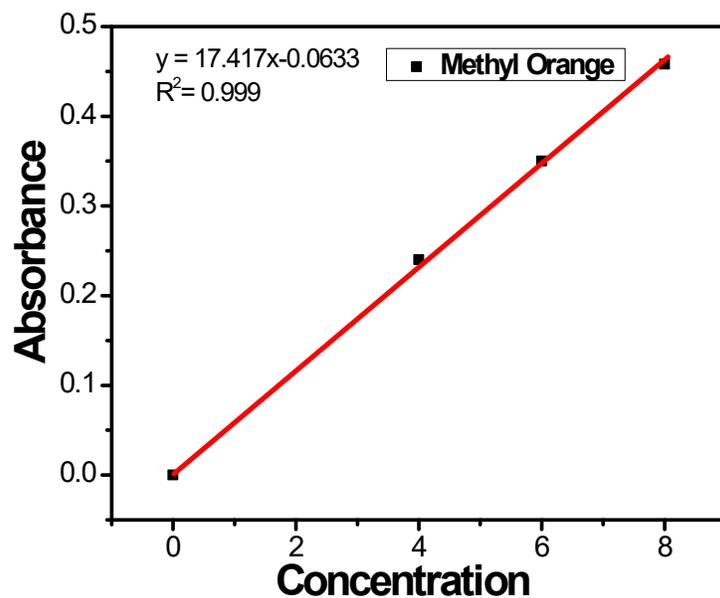


Figure S3. Calibration curve for Sodium Diclofenac adsorption.

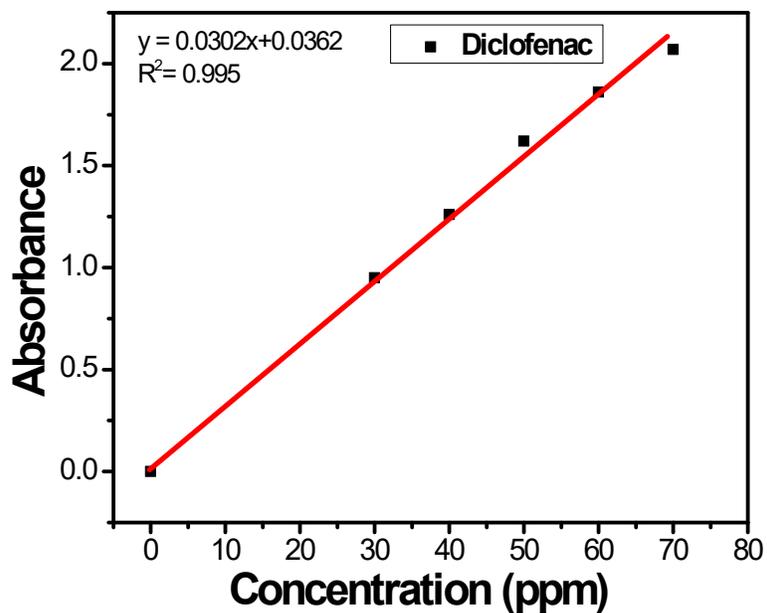


Figure S4. Adsorption kinetics of Methyl Orange.

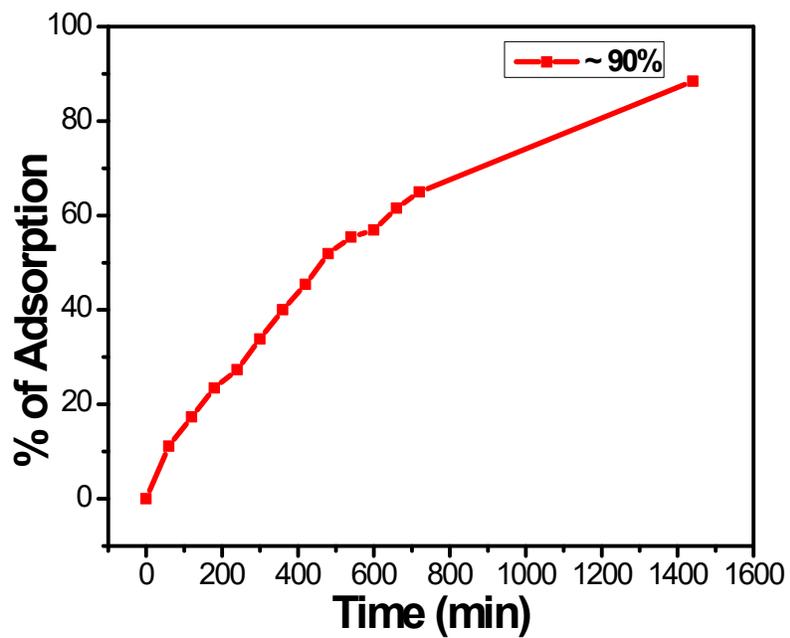


Figure S5. Absorption Kinetics of Sodium Diclofenac.

