

## SUPPLEMENTARY INFORMATION

### **Nonconjugated Polyelectrolyte as efficient fluorescence quencher and their applications as biosensors: Polymer-Polymer Interaction**

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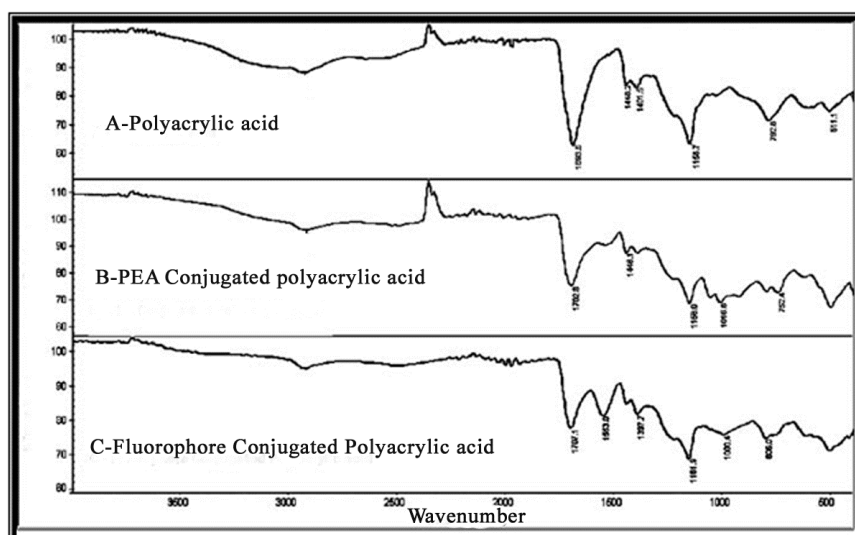


Fig.S1: FTIR Spectra of (A) Polyacrylic acid (B) Polyacrylic acid conjugated PEA (C) Polyacrylic acid conjugated with fluorophore.

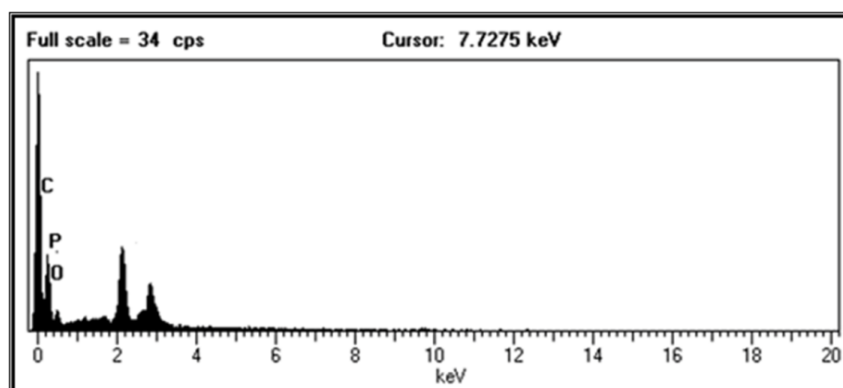


Fig.S2: EDAX trace of PEA conjugated polyacrylic acid