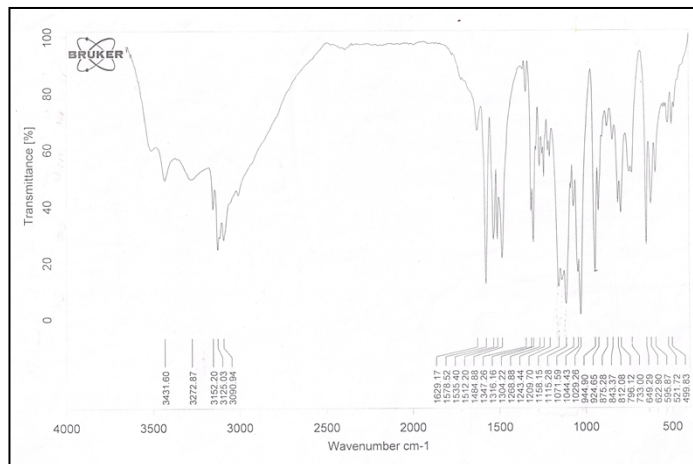


**Electronic Supplementary Information (ESI)**

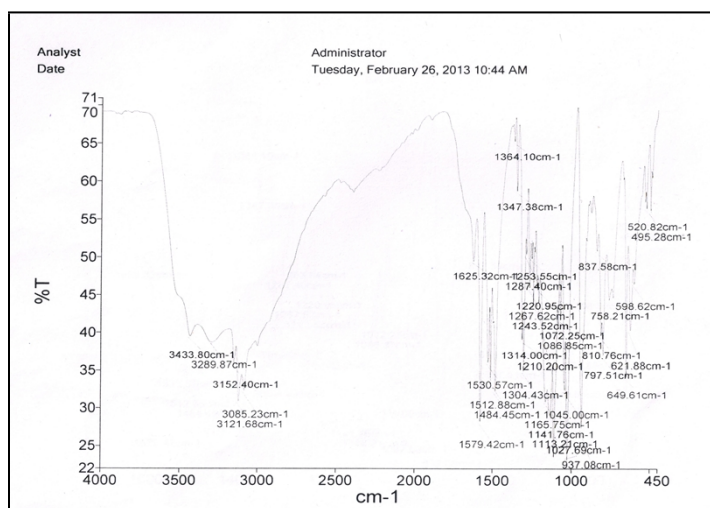
**Coordination Polymers Built with Transition Metal Sulphates and  
Angular 2,5-bis(imidazol-1-yl)thiophene (thim<sub>2</sub>): Synthesis,  
Structure and Photoluminescent Properties**

**Namita Singh and Ganapathi Anantharaman\***

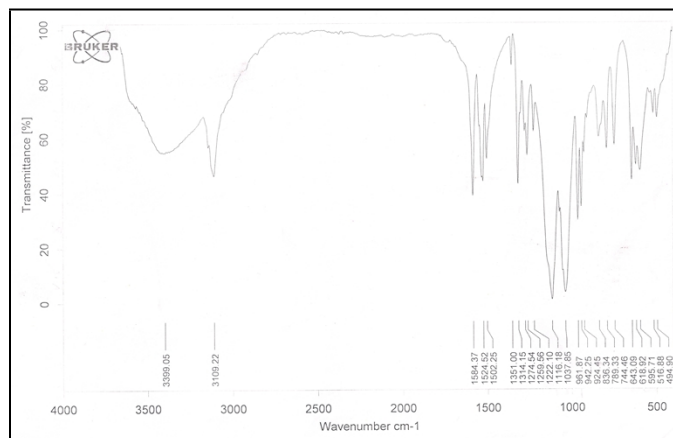
Department of Chemistry, Indian Institute of Technology (IIT), Kanpur – 208016, INDIA.



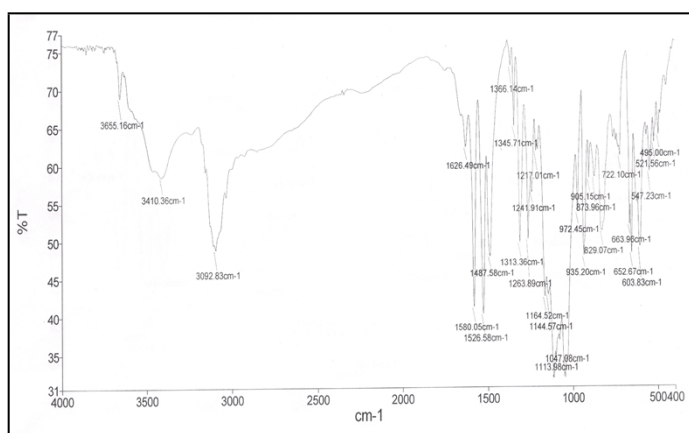
**Figure S1. IR spectrum of 1**



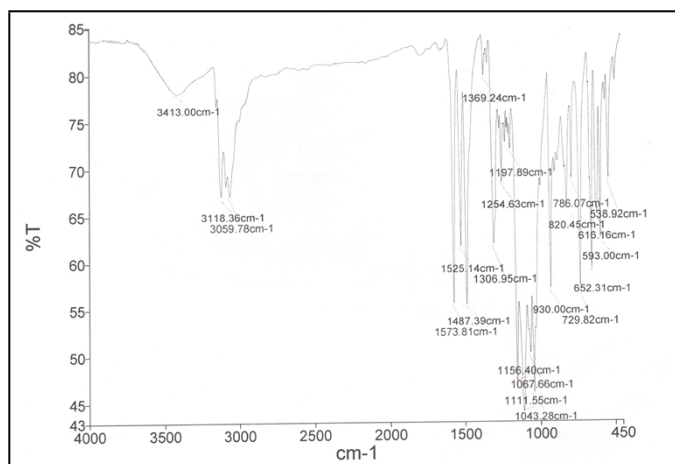
**Figure S2. IR spectrum of 2**



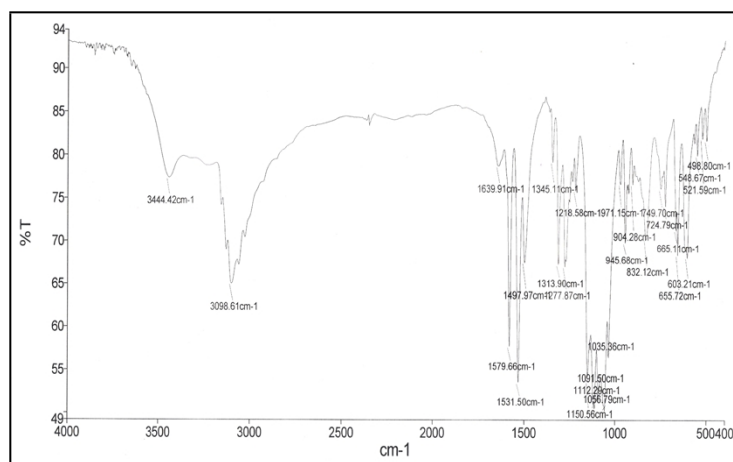
**Figure S3.** IR spectrum of **3**



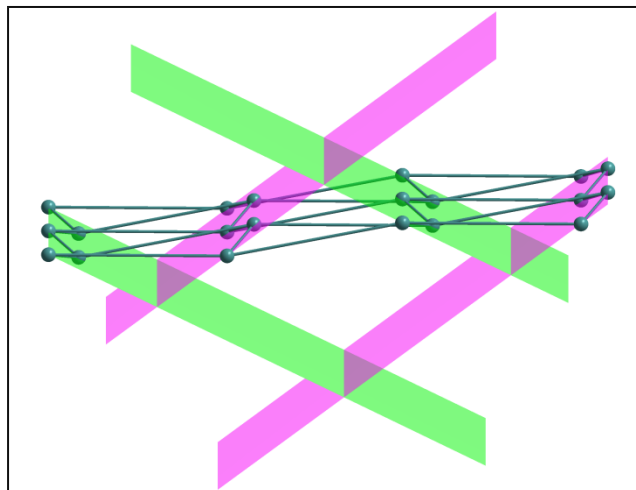
**Figure S4.** IR spectrum of **4**



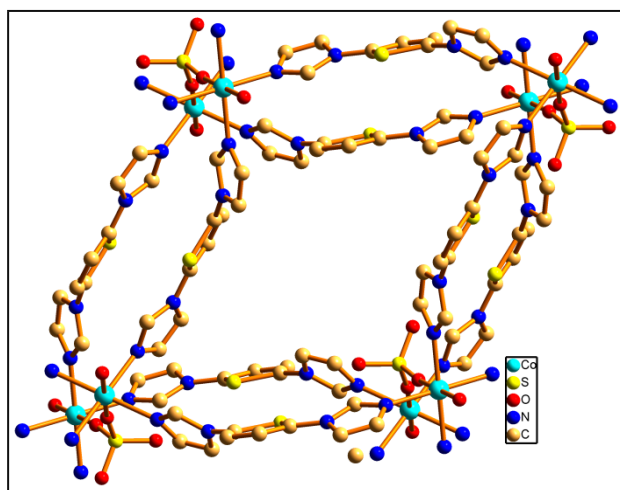
**Figure S5.** IR spectrum of **5**



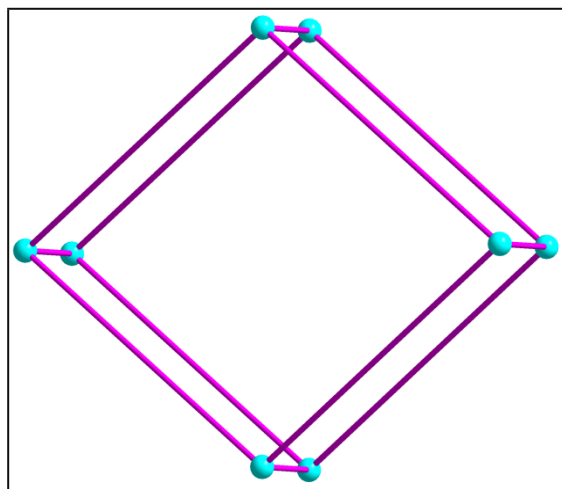
**Figure S6.** IR spectrum of **6**



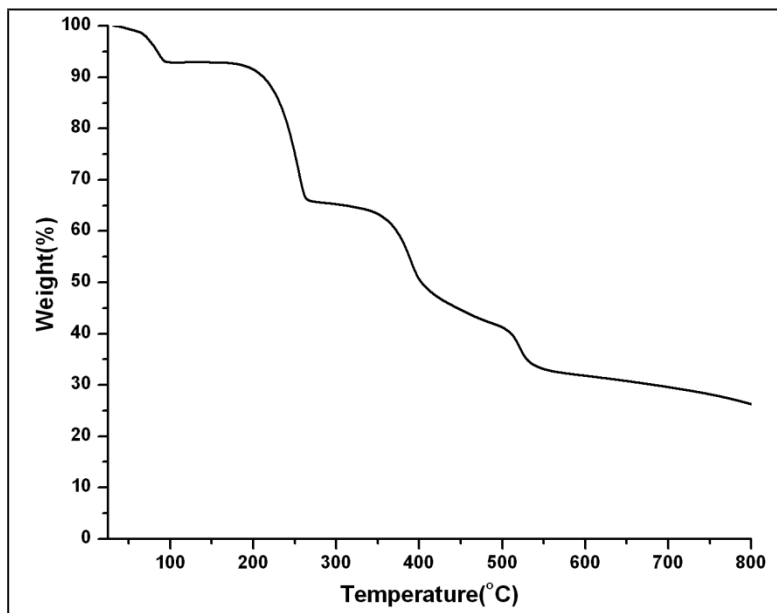
**Figure S7.** Depicted the dihedral angle between adjacent 1D chains in 2D layer of **3**



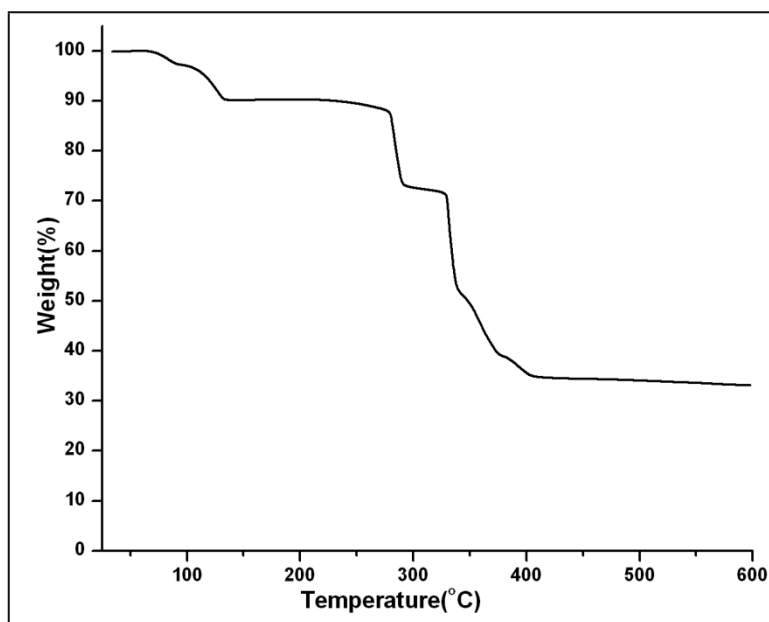
**Figure S8.** Representation of flexible cube in **4**



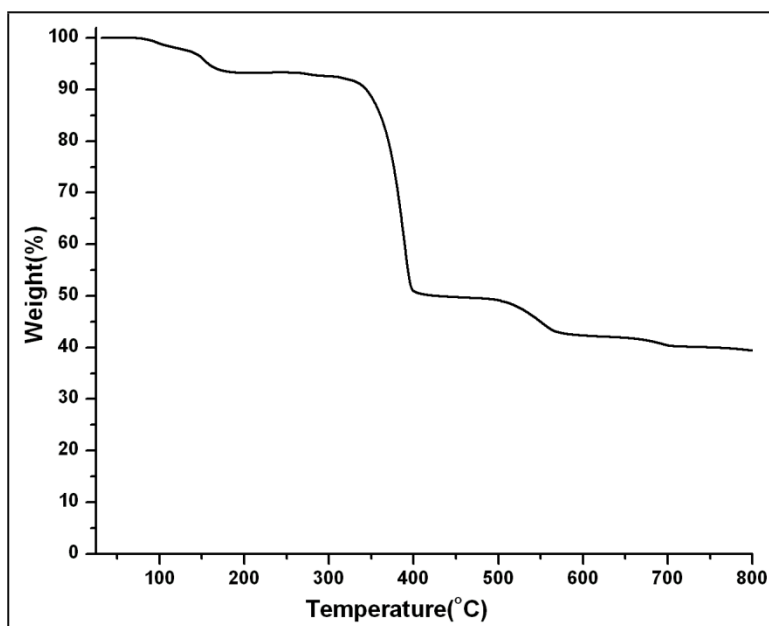
**Figure S9.** Perspective view of cube in **4**



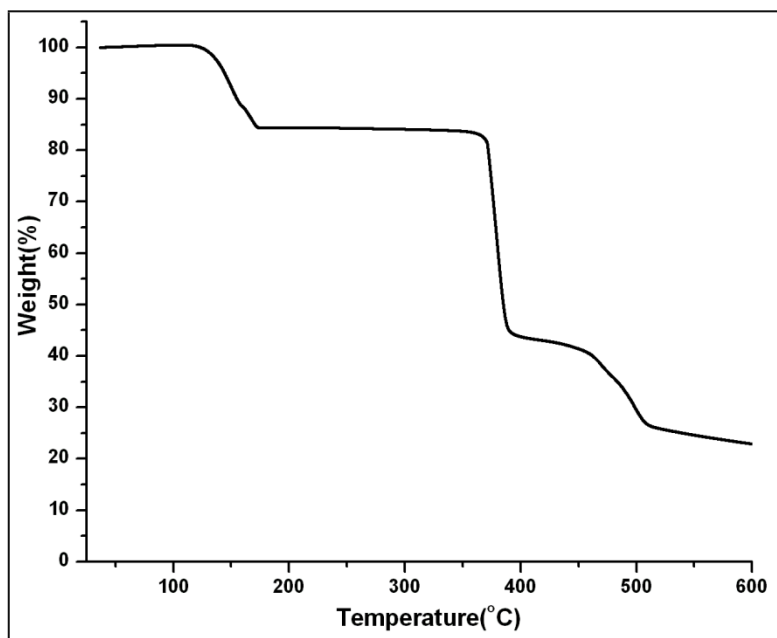
**Figure S10.** Thermogravimetric analysis of **1**.



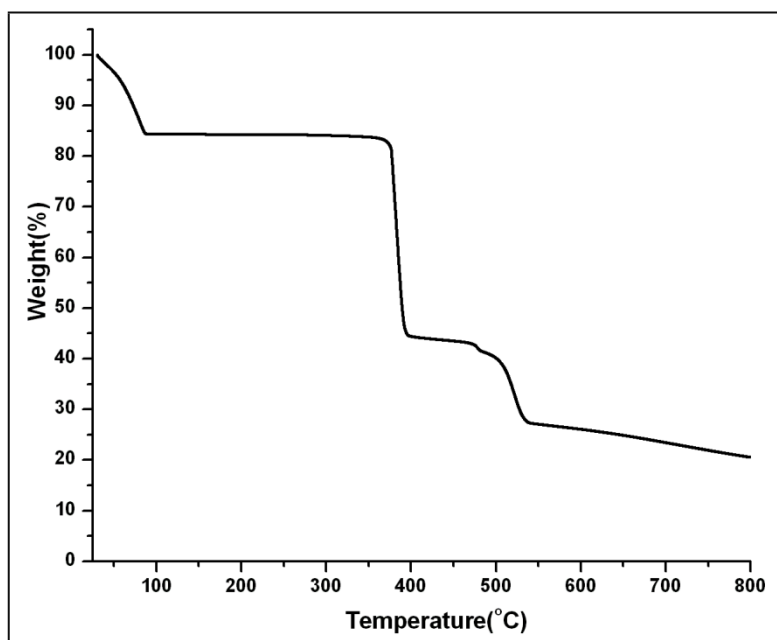
**Figure S11.** Thermogravimetric analysis of **2**.



**Figure S12.** Thermogravimetric analysis of **3**.

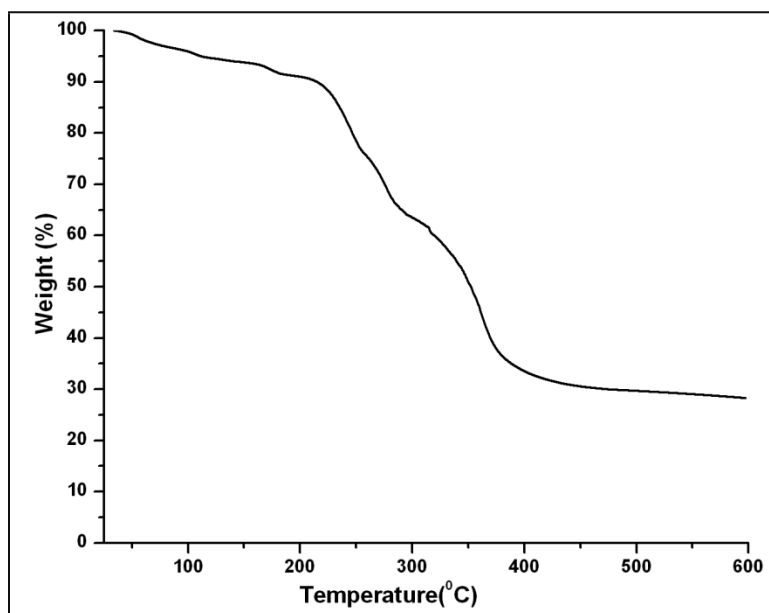


**Figure S13.** Thermogravimetric analysis of **4**.

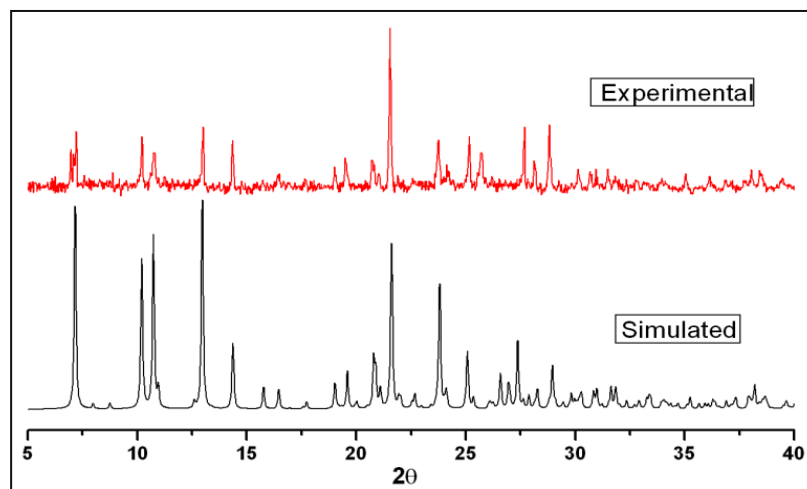


**Figure S14.** Thermogravimetric analysis of **5**.

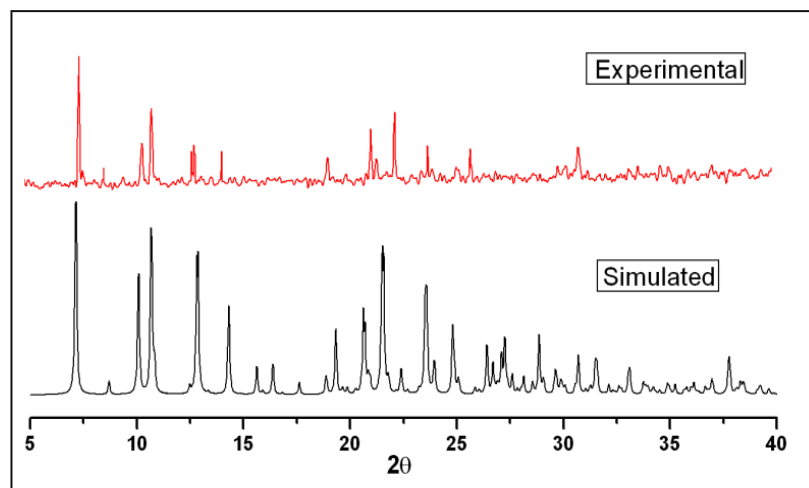




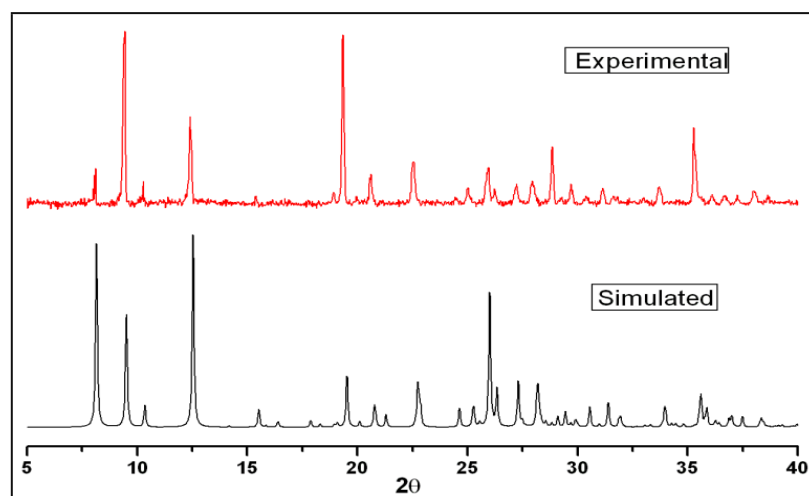
**Figure S15.** Thermogravimetric analysis of **6**.



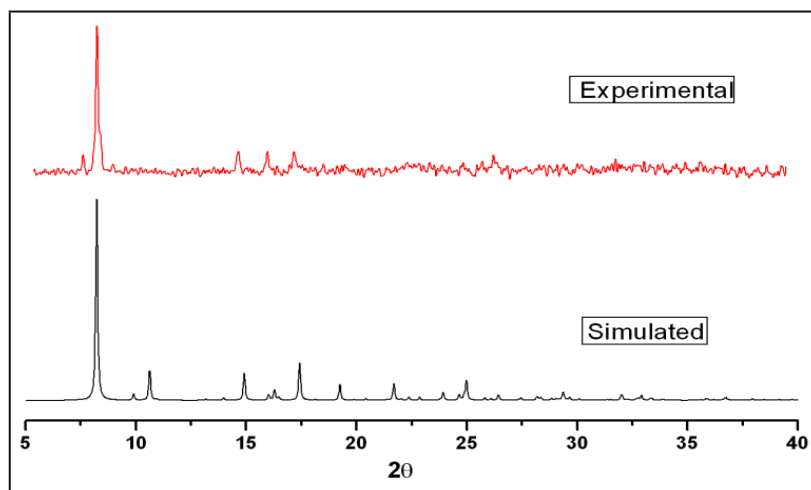
**Figure S16.** PXRD of complex **1**



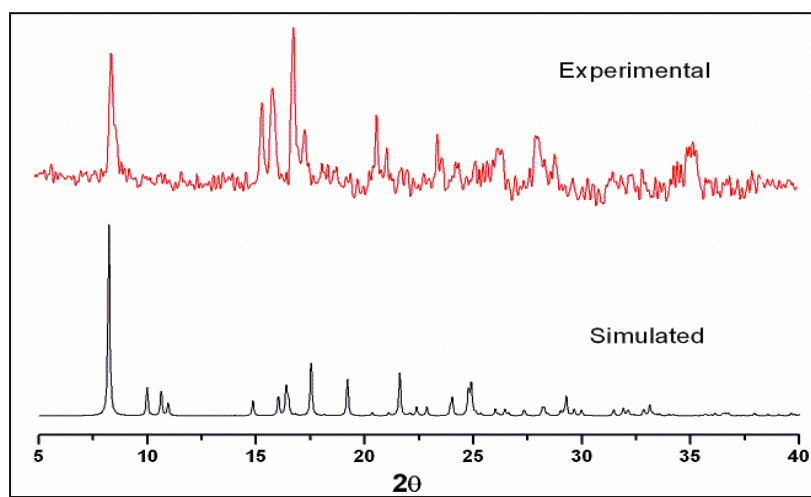
**Figure S17.** PXRD of complex 2



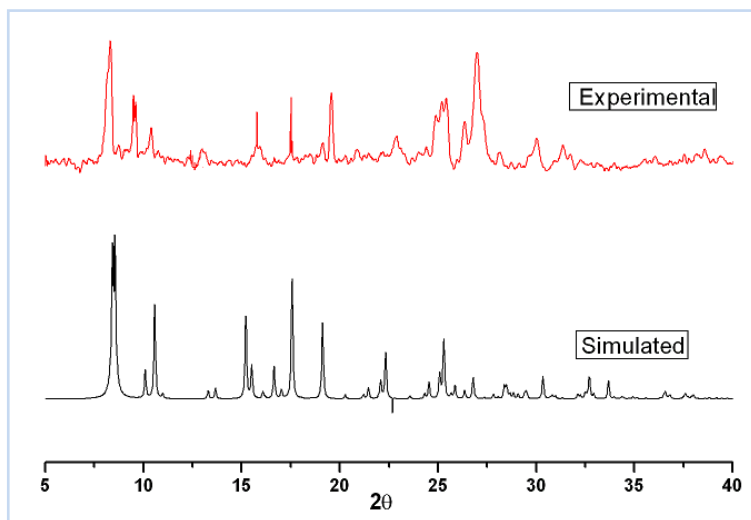
**Figure S18.** PXRD of complex 3



**Figure S19.** PXRD of complex 4



**Figure S20.** PXRD of complex 5



**Figure S21.** PXRD of complex **6**