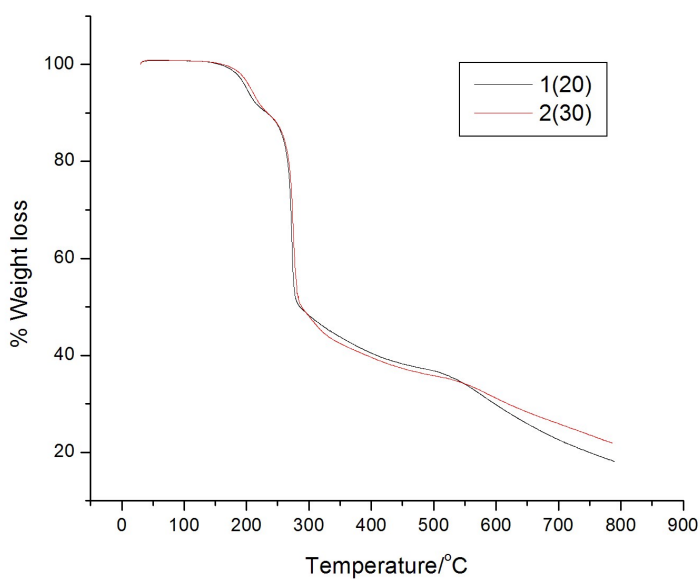
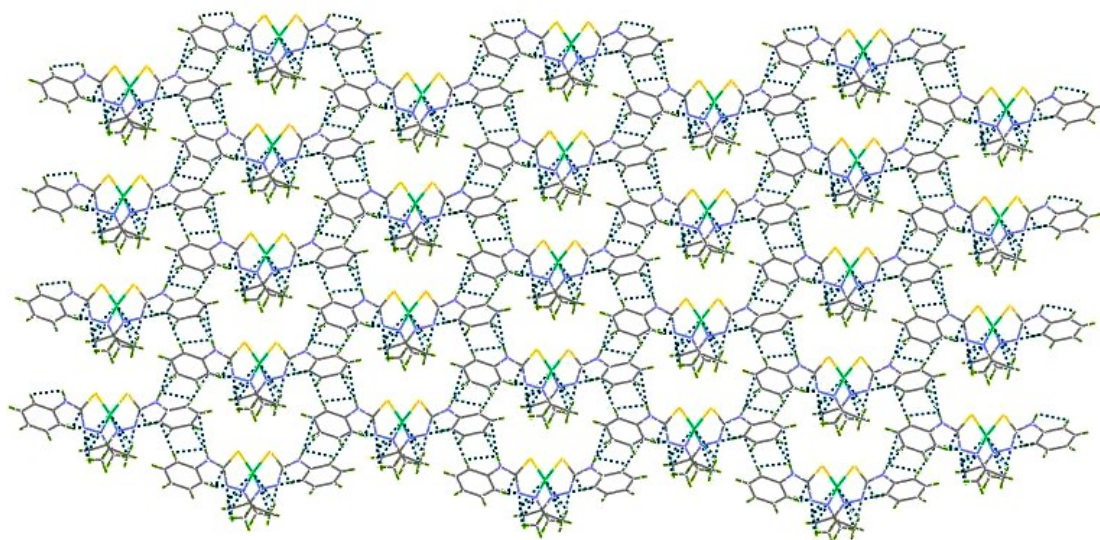


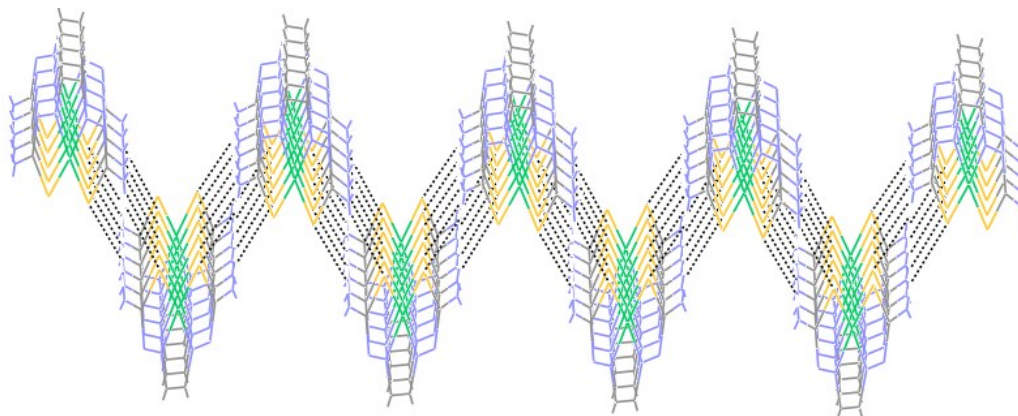
Supplementary Fig S1. TGA curves showing the degradation of complex **1** at 20 and 30 °C min⁻¹ in nitrogen atmosphere



Supplementary Fig S2. TGA curves showing the degradation of complex **2** at 20 and 30 °C min⁻¹ in nitrogen atmosphere



Supplementary Fig S3. Intramolecular C-H \cdots N and N-H \cdots C Hydrogen bonding in [Ni(Hapt)₂] (**1**) leading to closed ladder type structure



Supplementary Fig S4. Intermolecular N-H \cdots S Hydrogen bonding in [Ni(btsc)](**2**) leading to the formation of a superimposed stacked structure