Inter-Chain Relay of Antiferromagnetic Ordering in 1D Co(II) Coordination Polymers *via* π–π Interactions

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Supporting Information

Table S1. Selected Bond distances (Å) and Bond angles (°) in **1-2**.

1

Co1 O1 2.050(3)	Co1 N1 2.099(4)	Co1 N2 2.133(4)
Co1 O3 2.180(3)	Co1 O2 2.212(3)	Co1 O4 2.230(3)
O1 Co1 N1 99.74(14)	O1 Co1 N2 123.91(14)	N1 Co1 N2 80.23(16)
O1 Co1 O3 145.63(13)	N1 Co1 O3 98.20(14)	N2 Co1 O3 87.91(13)
O1 Co1 O2 61.88(12)	N1 Co1 O2 160.12(14)	N2Co1O2103.16(14)
O3 Co1 O2 101.48(13)	O1 Co1 O4 89.26(12)	N1 Co1 O4 97.33(14)
N2 Co1 O4 146.77(13)	O3 Co1 O4 59.45(11)	O2 Co1 O4 90.30(13)

2

Co1 O3 2.042(3)	Co1 O4 2.087(3)	Co1 N1 2.113(3)
Co1 N2 2.120(3)	Co1 O1 2.161(3)	Co1 O2 2.249(3)
O4 C16 1.270(5)		
O3 Co1 O4 91.77(11)	O3 Co1 N1 121.62(12)	O4 Co1 N1 96.38(12)
O3 Co1 N2 84.30(12)	O4 Co1 N2 169.66(12)	N1 Co1 N2 77.73(13)
O3 Co1 O1 91.77(11)	O4 Co1 O1 93.67(11)	N1Co1O1 144.62(12)
N2 Co1 O1 96.00(12)	O3 Co1 O2 150.23(11)	O4 Co1 O2 97.17(11)
N1 Co1 O2 85.62(11)	N2 Co1 O2 90.89(12)	O1 Co1 O2 59.46(10)

Table S2. Selected Hydrogen Bond Distances (Å) and Bond Angles (°) in **1-2**.

1

Donor --- H....Acceptor	D - H	H...A	D...A	D - H...A
O(5) ---H(5)---O(3)	0.82	1.89	2.694(5)	168
C(10) ---H(10) ---O(5)	0.93	2.36	3.279(7)	168

(a) -1/2+x,1/2-y,-1/2+z(b) -x,-y,1-z

2

O(5) ---H(5A) ---O(1W)	0.82	2.11	2.633(4)	121
C(3) ---H(3) ---O(5)	0.93	2.56	3.475(5)	167
C(10) ---H(10) ---O(5)	0.93	2.47	3.140(6)	129

(a) -1+x,y,z (b) 1+x,y,z (c) 1/2+x,-y,1/2+z

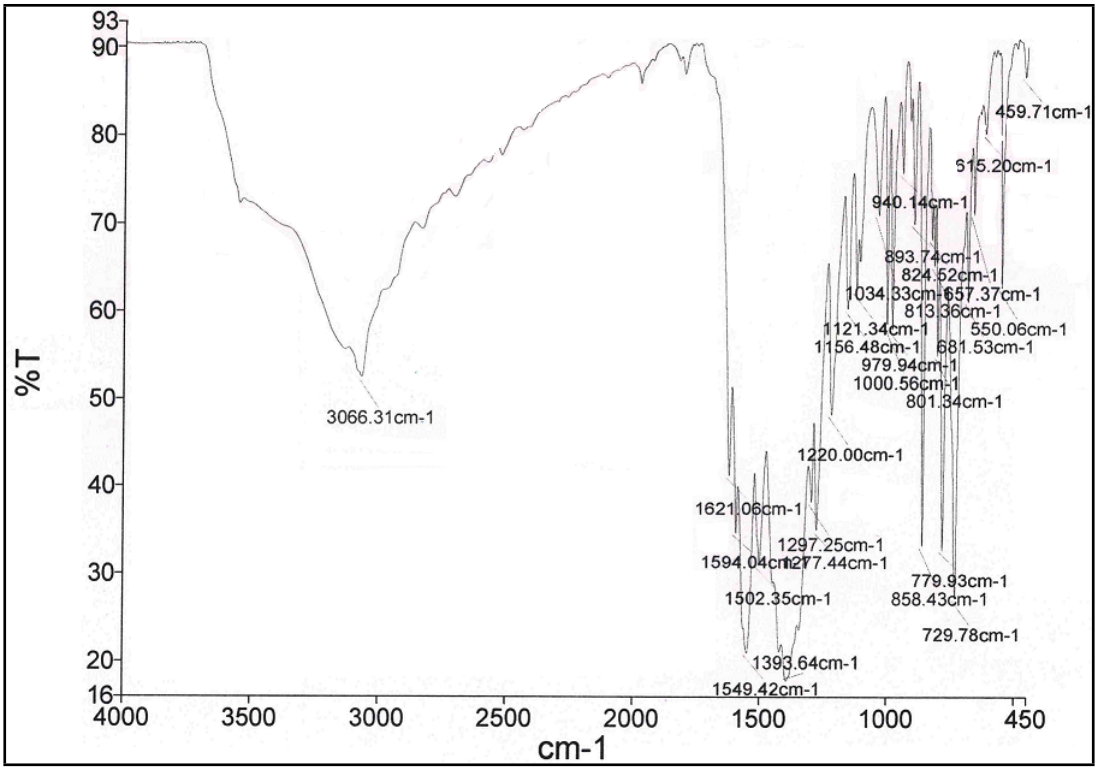

Figure S1: FTIR of Complex **1**

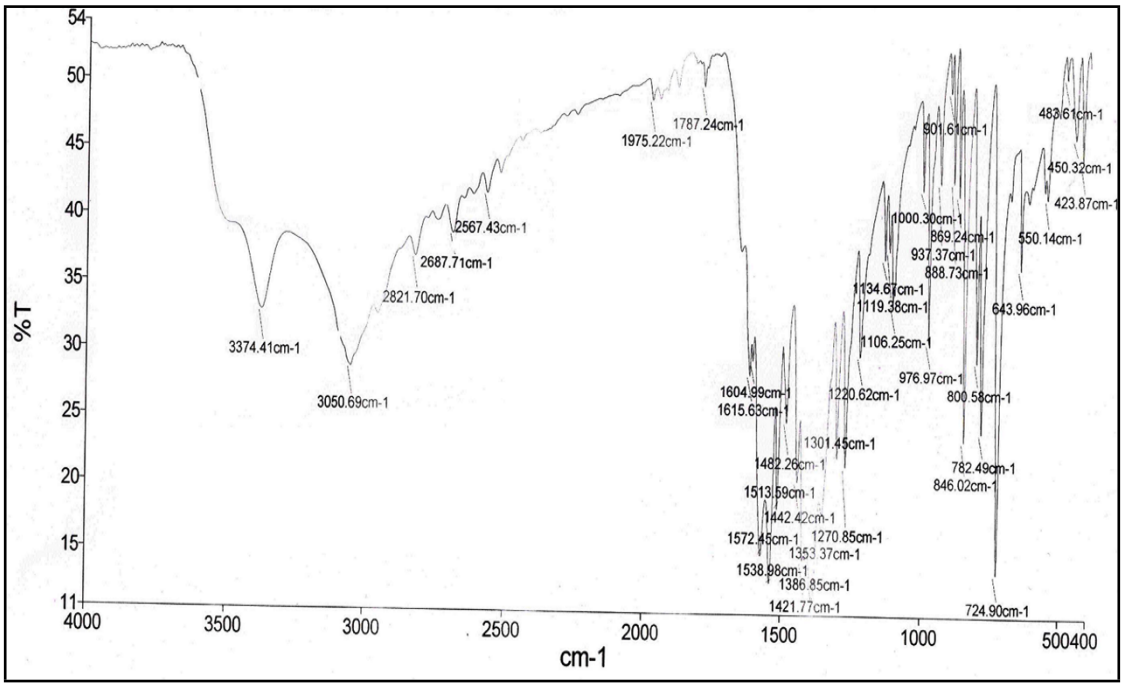

Figure S2: FTIR of Complex **2**

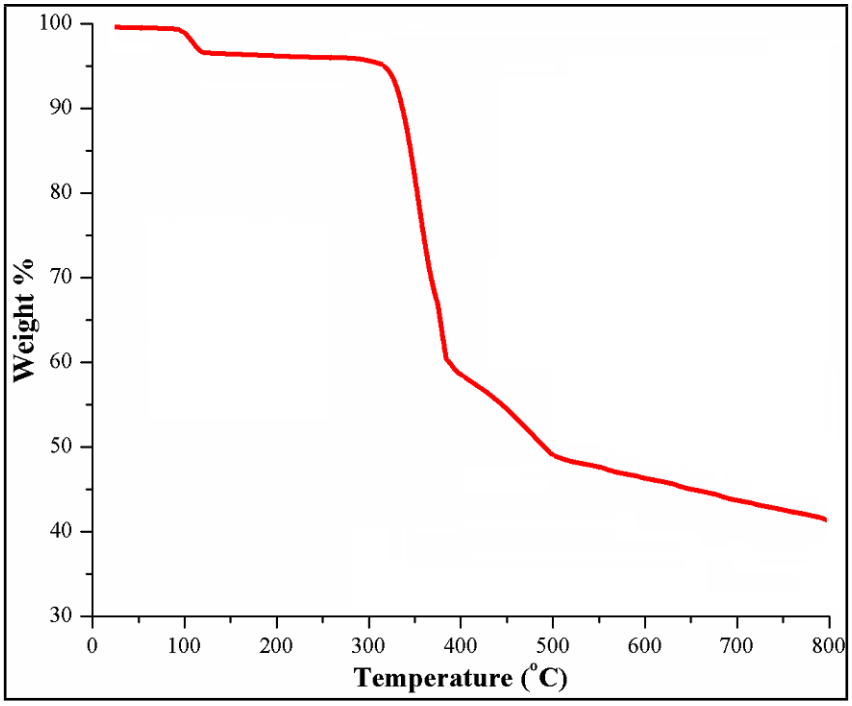

Figure S3: TGA of Complex **1**

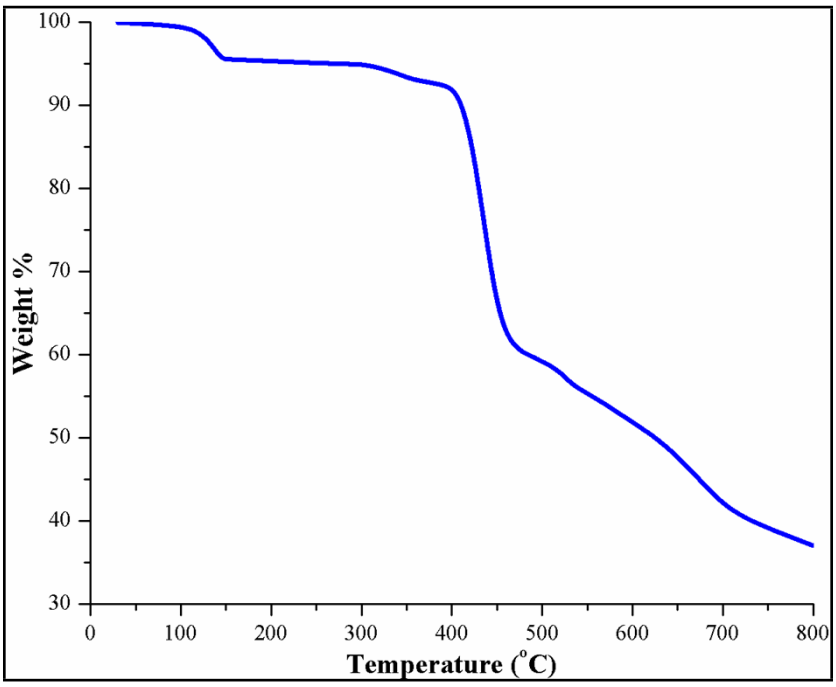

Figure S4: TGA of Complex **2**

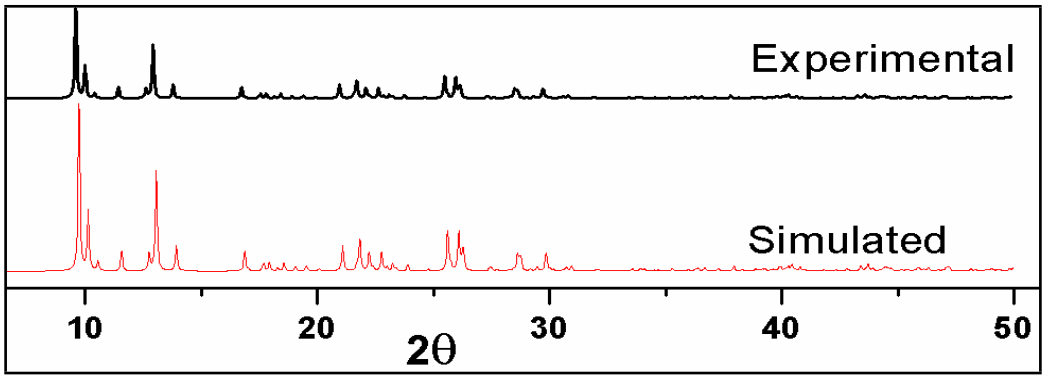

Figure S5: PXRD of Complex **1**

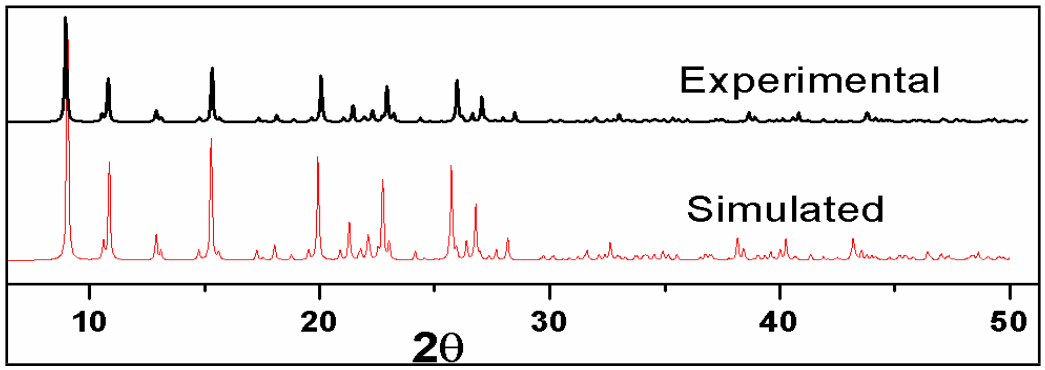

Figure S6: PXRD of Complex **2**