Supplementary Informations

Synthesis, structures and Photoluminescence properties of mixed ligand divalent metal-organic frameworks

Muhammad Altaf,*a Muhammad Mansha Chohan,a Manzar Sohail,a Anvarhusein A. Isab,b Nisar Ullah,b Safyan Akram Khan,a Muhammad Sher,a Hellen Stoeckli-Evans c

a Centre of Research Excellence in Nanotechnology (CENT), King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia.

b Department of Chemistry, King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia.

c Institute of Physics, University of Neuchatel, rue Emile-Argand 11, CH-2000 Neuchatel, Switzerland.

Email: muhammadaltaf@kfupm.edu.sa

Key words: Photoluminescence, Metal-Organic Frameworks, X-ray structures, TGA, Mixed Ligand
Fig. 1S. A view of the structure of asymmetric unit of compound 1.
Fig. 2S. A view of molecular structure of compound 2.
Fig. 3S. A view of schematic structure of compound 2.
Fig. 4S. A view of 3D Hydrogen bonded network of compound 2 along $a$ axis.
Fig. 5S. A view of asymmetric unit of molecular structure of compound 3, with atom labeling scheme.
Fig. 6S Emission spectra of compound 1 at room temperature.