

## Electronic Supplementary Information

For

**Synthesis, molecular structure and electrochemical properties of nickel(II) benzhydrazone complexes: Influence of ligand substitution on DNA/Protein interaction, antioxidant and cytotoxicity**

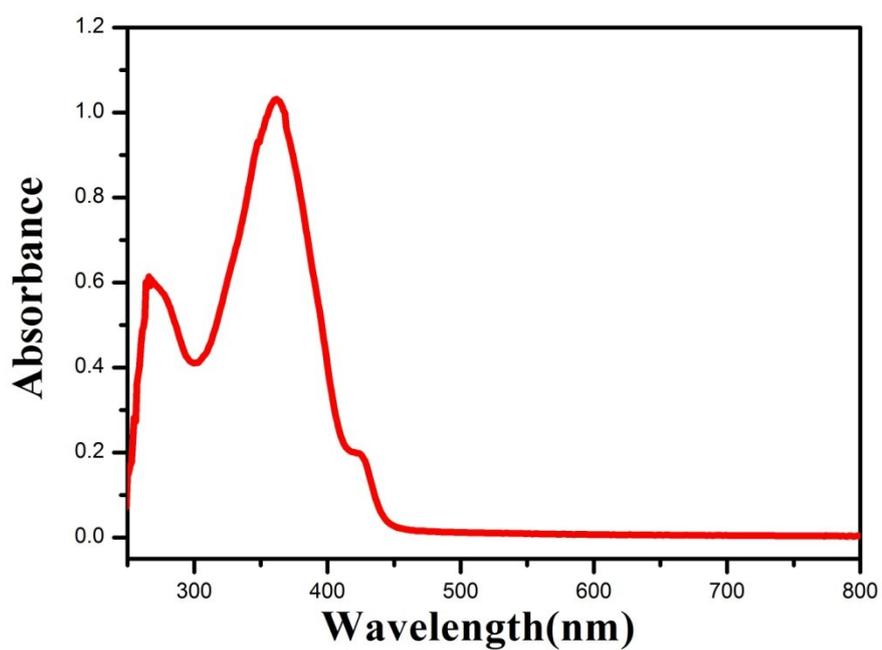
Ramasamy Raj Kumar and Rengan Ramesh\*

*\*School of Chemistry, Bharathidasan University, Tiruchirappalli 620024, India.*

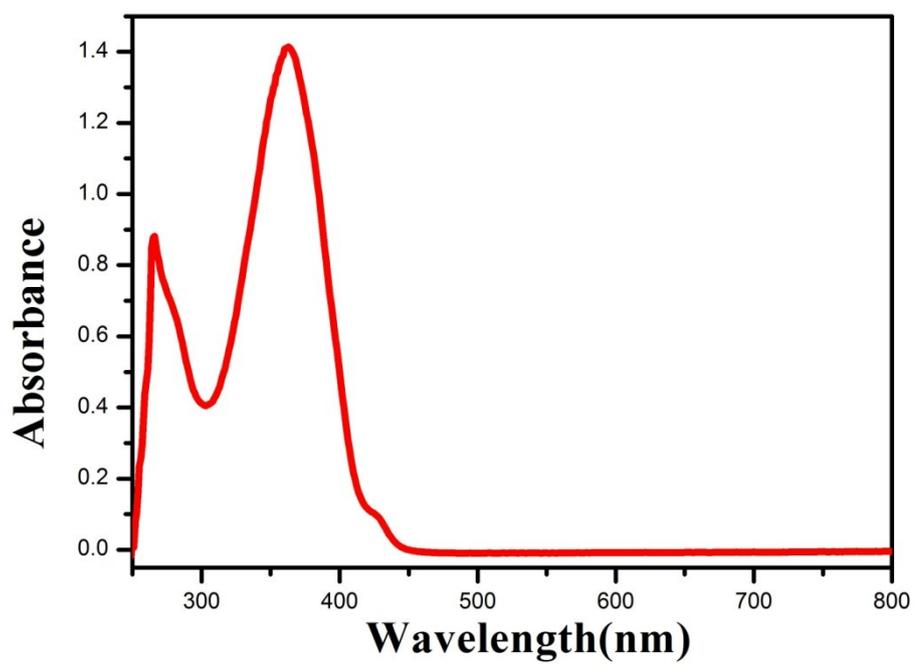
\*To whom correspondence should be made: Tel: +91-431-2407053, Fax: +91-431-2407045, E-mail: rrameshbdu@gmail.com

### List of items:

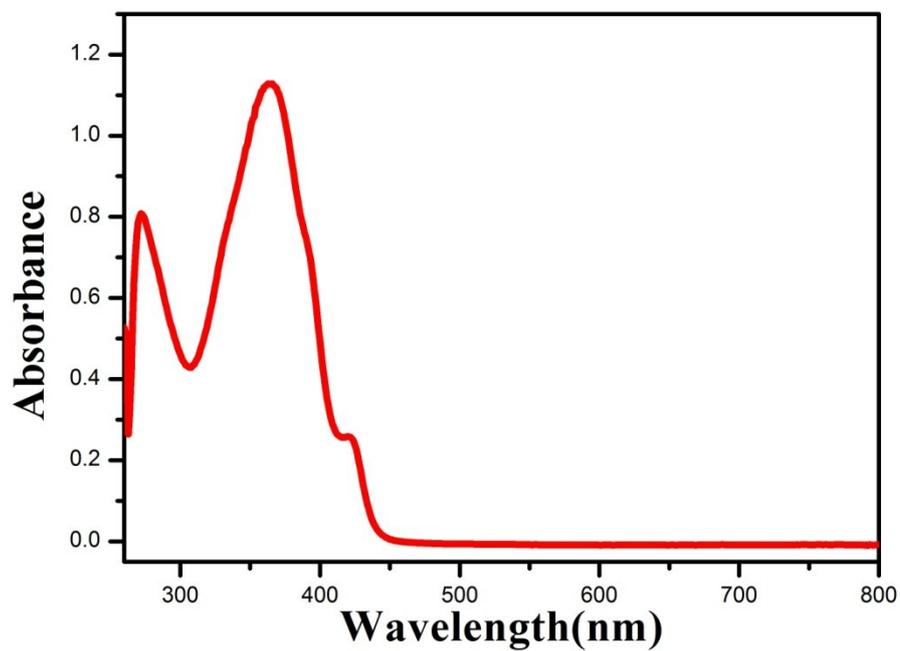
1. Absorbance spectra of the complexes 1-4..... S1-S4
2. Mass spectra of the complexes 1-4..... S5-S8
3. Cyclic Voltammogram of the complexes 1-4.....S9-S12



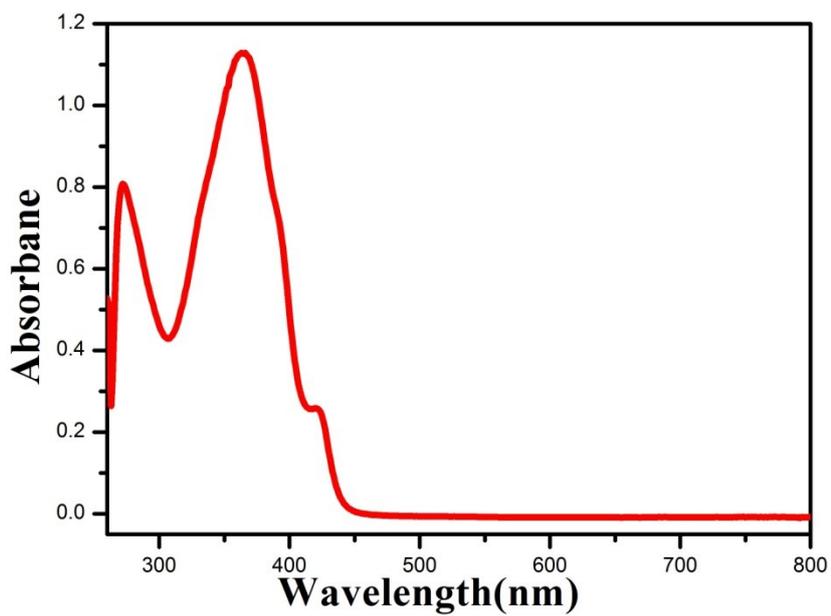
**Figure S1: UV-Vis spectrum of [Ni(L1)<sub>2</sub>] in DMF solution**



**Figure S2: UV-Vis spectrum of [Ni(L2)<sub>2</sub>] in DMF solution**



**Figure S3: UV-Vis spectrum of [Ni(L3)<sub>2</sub>] in DMF solution**



**Figure S4: UV-Vis spectrum of [Ni(L4)<sub>2</sub>] in DMF solution**

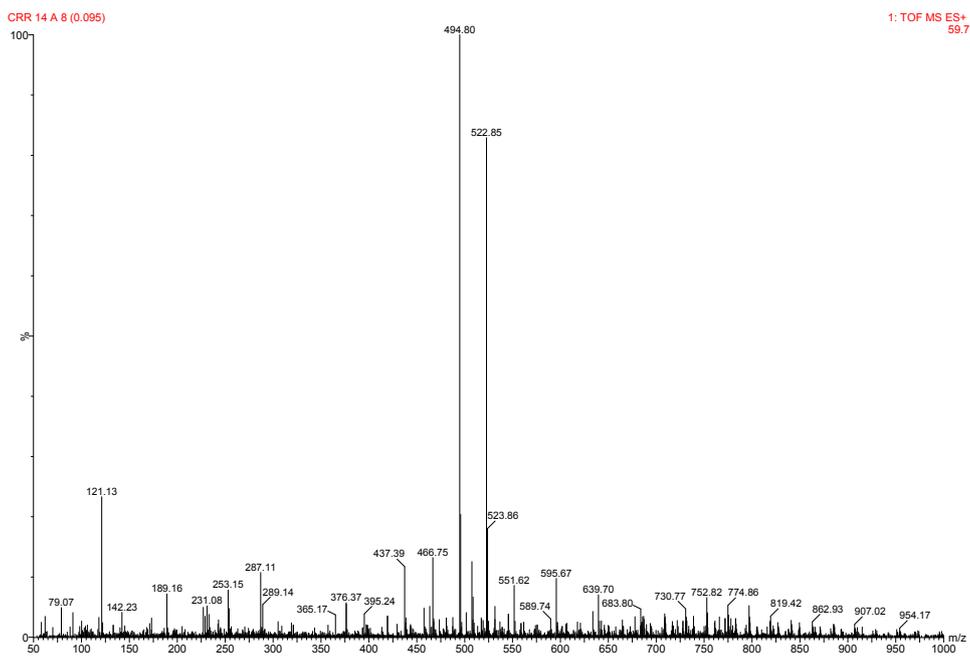


Figure S5: Mass spectrum of [Ni(L1)<sub>2</sub>]

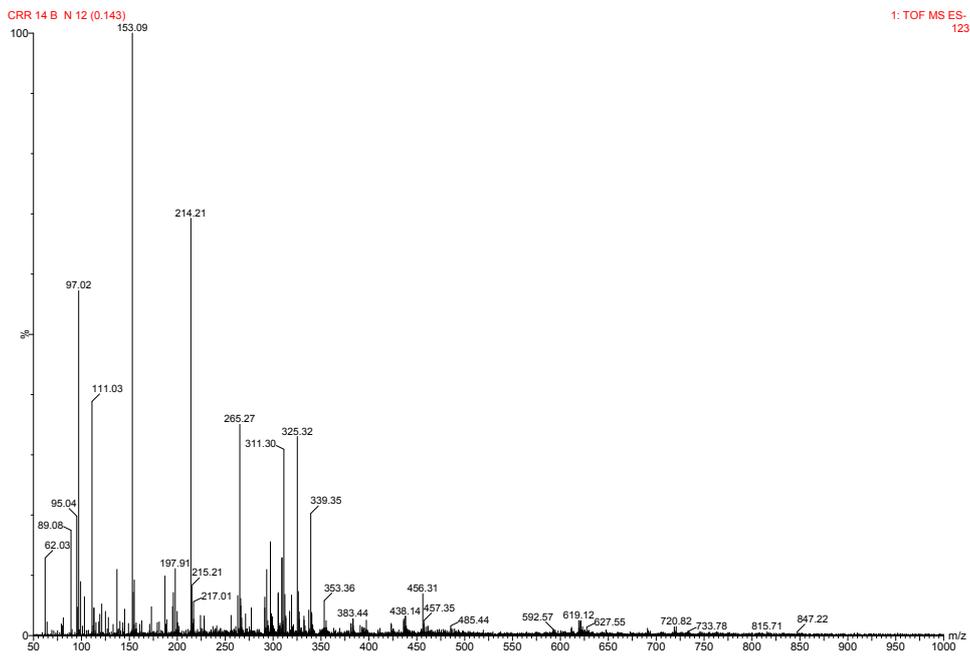


Figure S6: Mass spectrum of [Ni(L2)<sub>2</sub>]

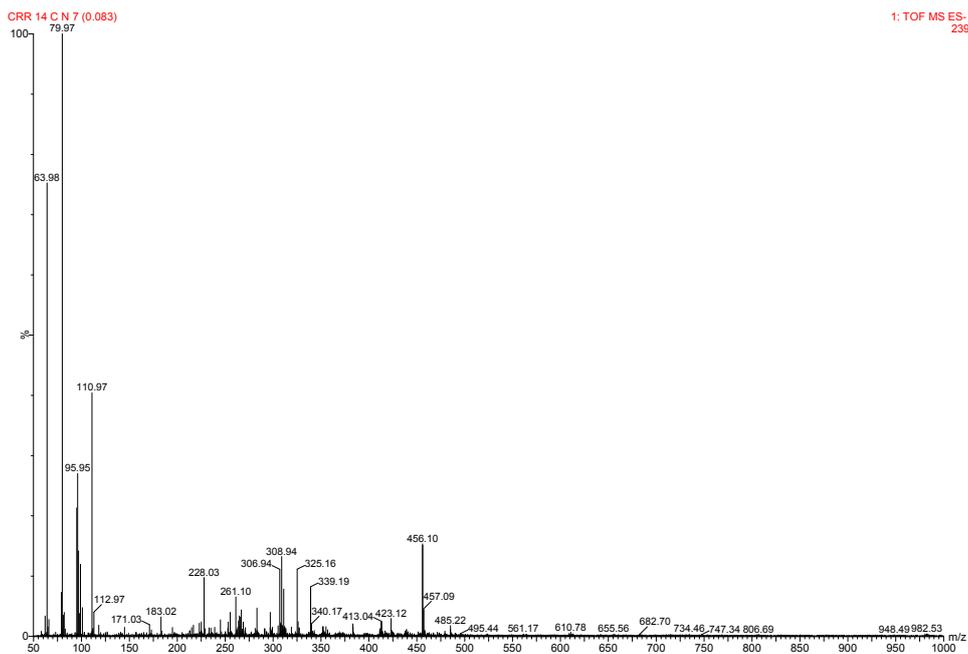


Figure S7: Mass spectrum of [Ni(L3)<sub>2</sub>]

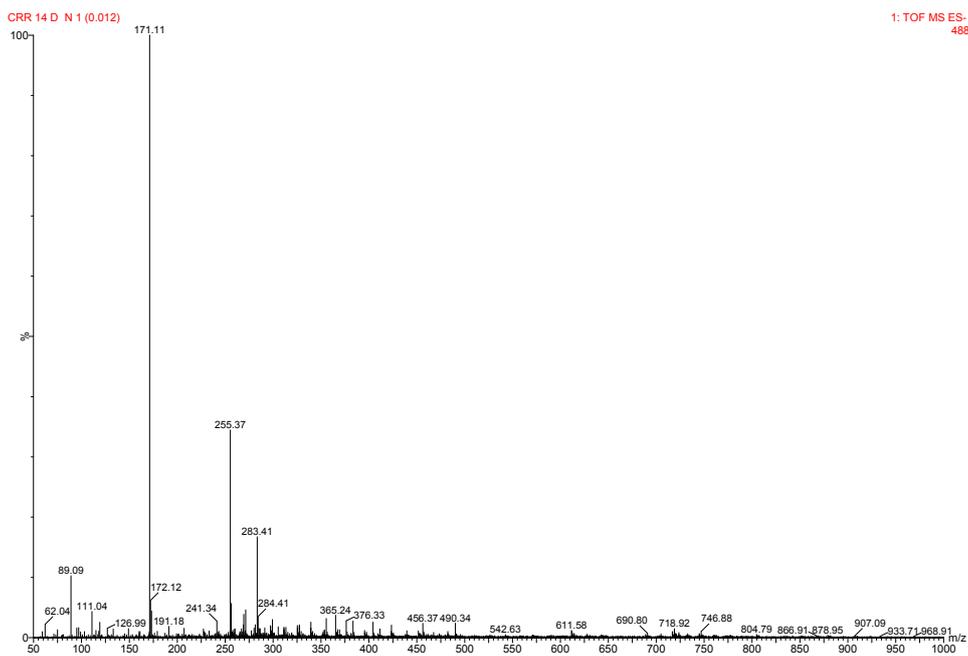


Figure S8: Mass spectrum of [Ni(L4)<sub>2</sub>]

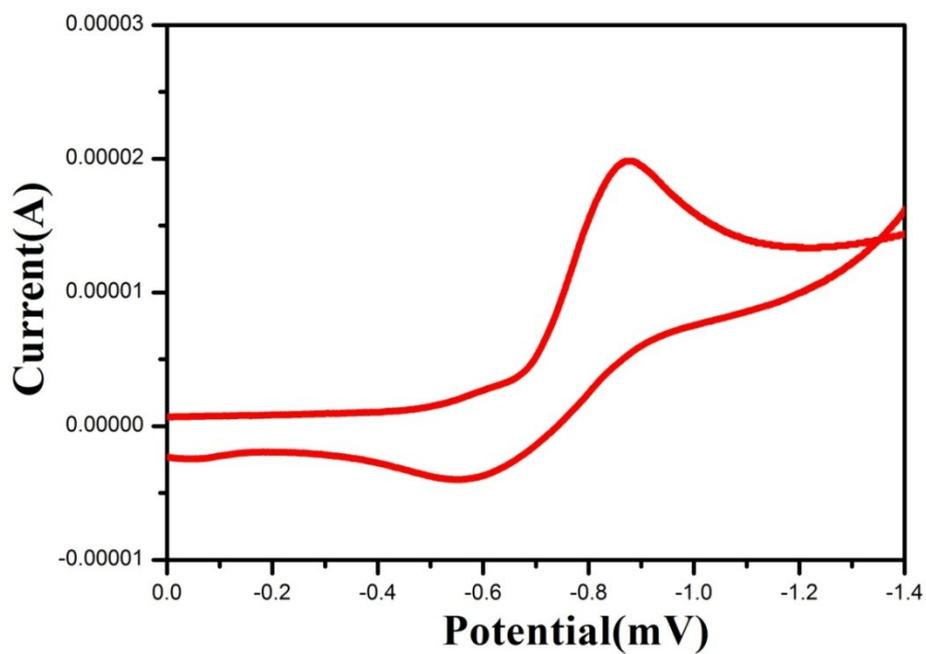


Figure S9: Cyclic Voltammogram of [Ni(L1)<sub>2</sub>] in DMF solution

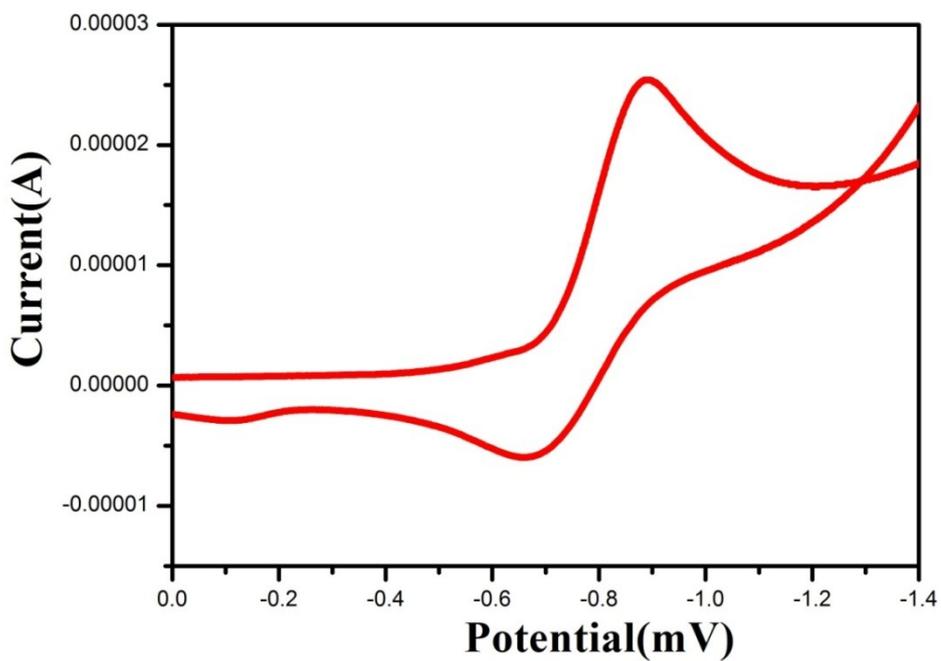
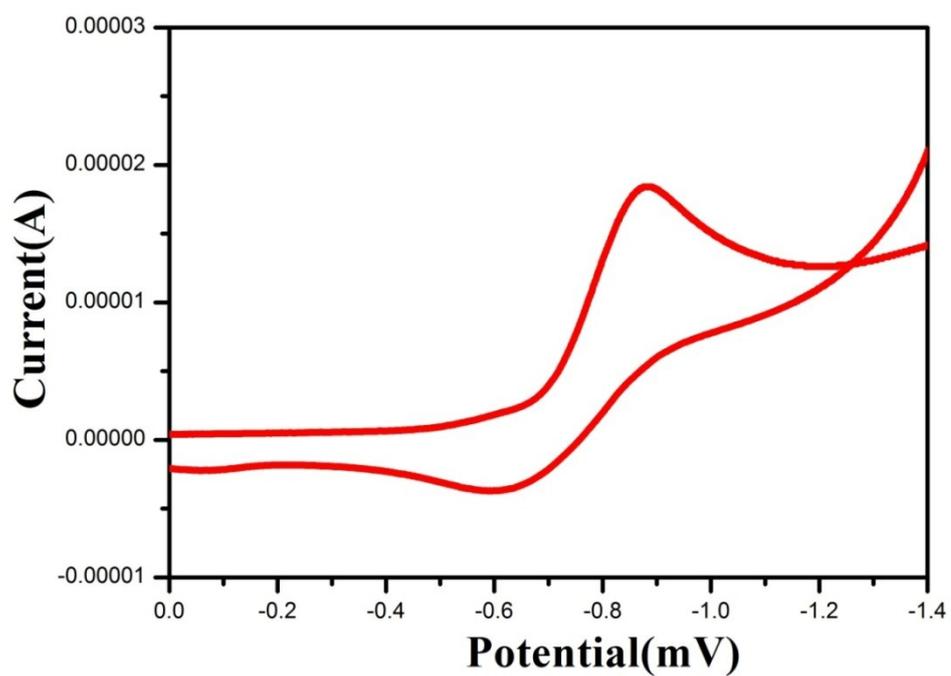
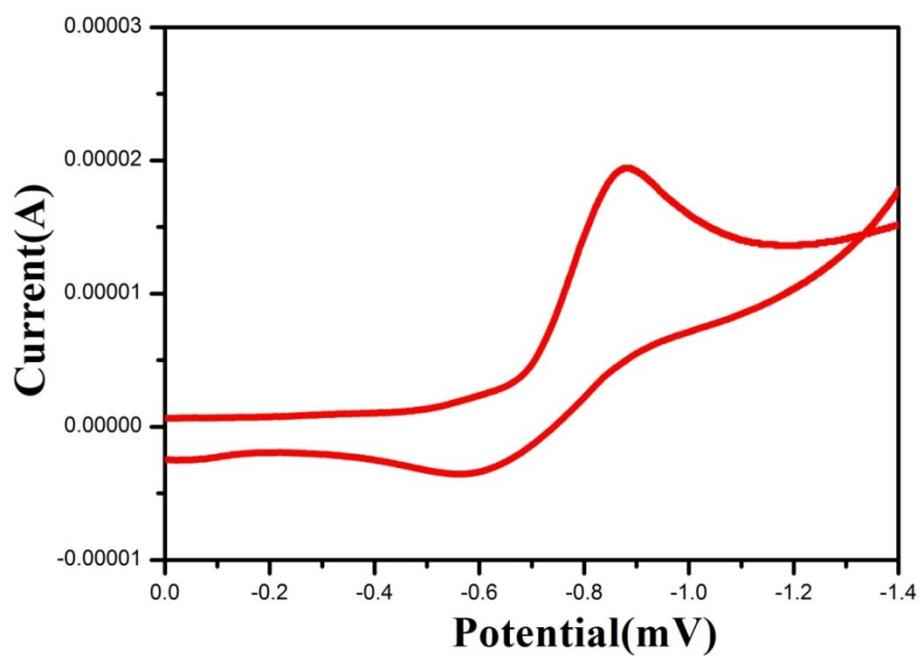


Figure S10: Cyclic Voltammogram of [Ni(L2)<sub>2</sub>] in DMF solution



**Figure S11: Cyclic Voltammogram of [Ni(L3)<sub>2</sub>] in DMF solution**



**Figure S12: Cyclic Voltammogram of [Ni(L4)<sub>2</sub>] in DMF solution**