**Supplementary Material**

Synthesis and spectral characterization of metal complexes of Schiff base derived from indole-3-carboxaldehyde and L-histidine as potent biocides

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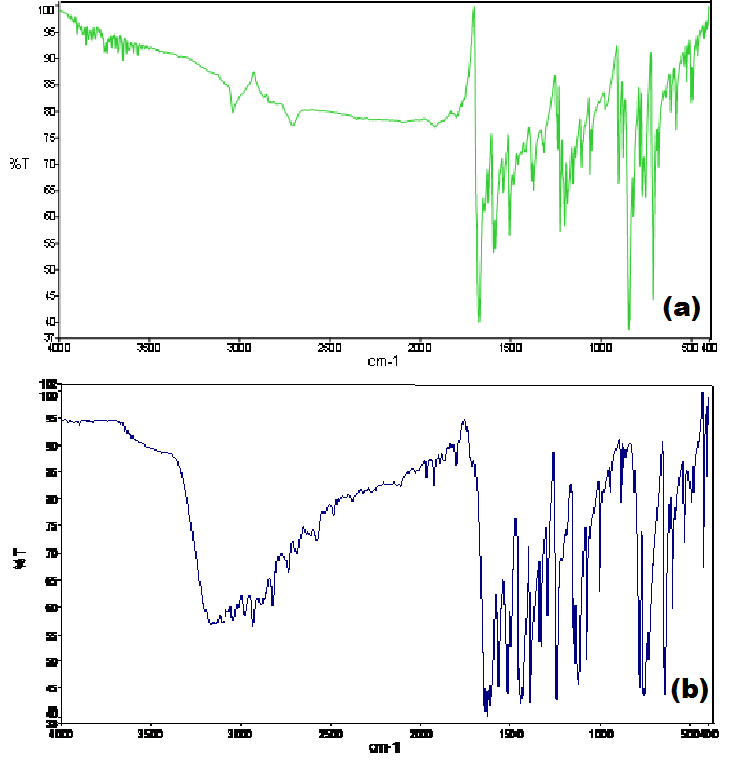


Figure S1. IR spectra of (a) [Mn(II)-(indal-L-his)2(H2O)2] and (b) [Fe(II)-(indal-L-his)2(H2O)2].

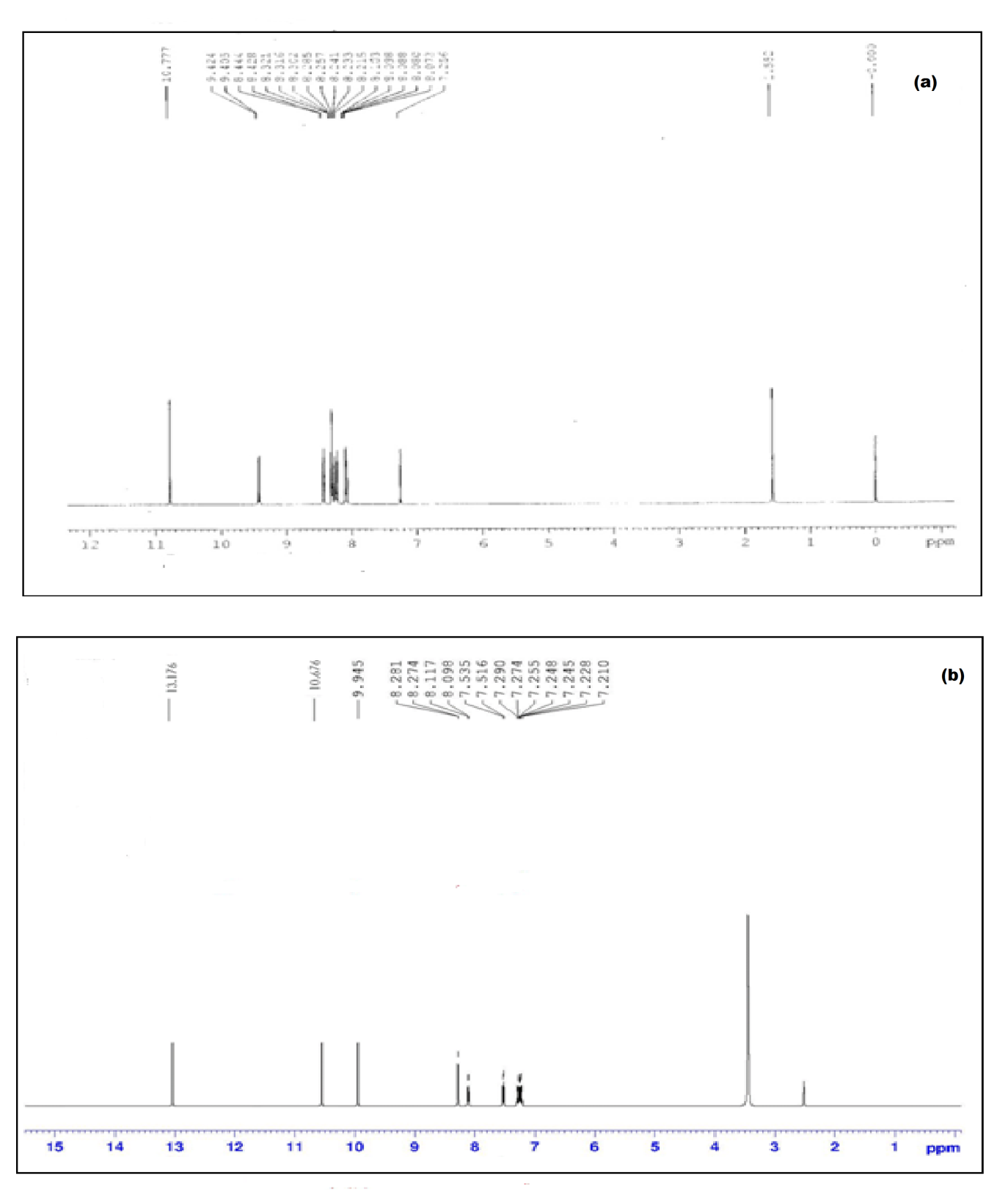


Figure S2. 1H NMR spectra of (a) indal-L-his and (b) [Zn(II)-(indal-L-his)2].

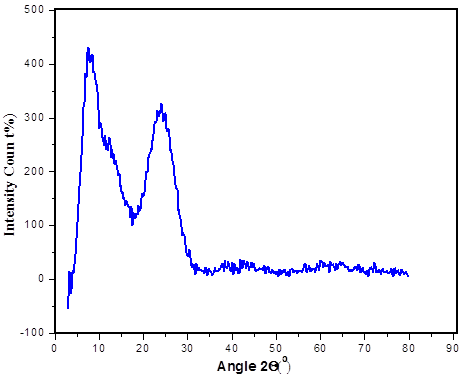


Figure S3. Powder XRD pattern of [Cu(II)-(indal-L-his)2].

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Figure S4. Photocatalytic degradation of indal-L-his (L) and its metal(II) complexes.

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Figure S5. Antimicrobial activity of indal-L-his (L) and its metal(II) complexes.

Table S1. Molar conductance and magnetic data of metal(II) complexes.

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| Metal(II) complexes | Molar conductance  (Ohm-1cm2mol-1) | eff (BM) |
| [Mn(II)-(indal-L-his)2(H2O)2] | 10 | 5.89 |
| [Fe(II)-(indal-L-his)2(H2O)2 ] | 18 | 4.51 |
| [Co(II)-(indal-L-his)2] | 22 | 3.82 |
| [Cu(II)-(indal-L-his)2] | 14 | 1.99 |
| [Ni(II)-(indal-L-his)2] | 8 | Dia |
| [Zn(II)-(indal-L-his)2] | 12 | Dia |