Reviewer A:

1. Page 5, line 126

As suggested by the reviewers the details regarding the conductivity measurements including solvent and concentration is included in the experimental part. The reference corresponding to the molar conductivities of the complexes matching the obtained values is included. The molar conductance of the ligand was not measured.

1. Page 6, line 141.

The mistake mentioned by the reviewer is changed which is a typographical error. The transitions in the table S2 is correct. According to Tanabe-Sugano diagrams three possible transitions for tetrahedral Co(II) complexes are 4A2 → 4T2(F) υ1, 4A2 → 4T1(F) υ2, 4A2 → 4T1(P) υ3. The first transition will be observed well below 4000 cm-1. Hence the low intensity bands observed at 620 and 581 nm corresponds to υ2 and υ3 transitions.

1. Page 6, lines 143-5.

The electronic spectra and the magnetic moment of the Cu(II) complex was recorded once again. The spectra showed a broad absorption band around 850-950 nm corresponding to tetrahedral geometry and the magnetic moment was found to be 1.93 BM. The TDDFT calculations also confirms tetrahedral geometry for Cu(II) complex.

1. Page 7 and 8 – computational studies.

The DFT calculations for Cu(II) complex is included in the manuscript. The TD-DFT of ligand and the Cu(II) complex have been compared with the experimental electronic spectra and included in the manuscript.

1. The DFT studies have been done for confirmation of the structures. The study mainly focuses on the biological applications.
2. The optimized geometry obtained is the stable geometry.
3. Table S3. The units for E(total), DeltaE(HOMO-LUMO), IP, EA have been included.

Reviewer C:

The optimized geometry of the ligand and Cu(II) complex is included in the main text of the manuscript.

The IR, NMR, UV Vis spectra are included in the supplementary data.

The 13C NMR spectrum of the ligand is taken and interpreted. The figure is included in the supplementary file.

The bond lengths of the ligand and the complexes have been compared and the details are included in the manuscript.

Page 2: The line was changed as “The prepared ligand was characterized by FT-IR, 1H NMR, 13C NMR, UV-Vis, in addition to elemental analysis and the complexes were characterized by FT-IR, UV-Vis, elemental analysis, molar conductivity and magnetic susceptibility.”

Page 3: 6 hrs is changed as 6h.

Page 4: Co is changed as Cu.

Page 5: keto-amino and keto-imino tautomerism is changed as amino-imino tautomerism.

Page 6: 4A2 → 4T1(F) is changed to 4T1(F) ← 4A2. The transitions are changed according to the rules Lever et al. The references corresponding to the obtained transitions are included. The UV-Vis spectrum of the ligand and the complexes has been included in the supplementary file.

Page 7: The unit for energy difference is included.