List of Corrections

Thank you for your careful evaluation of the thesis. I have made the necessary changes in the present thesis and clarified the reviewer’s queries. I hope that this revised thesis answers your queries and you find it acceptable. Thanking for pointing out the grammatical and typographical errors.

Typographical and grammatical errors:
1. p3, last line: … a one-year…
   This has been corrected.
2. p4, second paragraph: … challenges in life… taught to hard work.. (the sentence is wrong)
   This has been corrected.
3. p5, line 1: Madhyamik Examination. last line ....fifth or sixth (if five seniors were there)?
   This has been corrected.
4. p6., line 4: glassware is a single word. To be consistent, do put 'da' and 'di' next to the names without any space.
   This has been corrected.
5. p8: last line of first paragraph...Science. It should be "In Chapter 1" like the next one. Show full names for EPR, rR and DFT for the first time before using the abbreviations.
   This has been corrected.
6. p9: It is Chapters 3 and 4... First sentence of second paragraph is not clear. Also, the first sentence of the last paragraph...
   This has been corrected.
7. p10: Last sentence should be re-written.
   This has been corrected.
8. p11: Why the word "EXPERIMENTAL" is so special? If the capital letters are used, do it for Results and Discussion, etc. as well.
   This has been corrected.
9. p16: ...we have been investigated... In the first part of my thesis. Maybe either 'I' or 'We' could be used but not mixed. Check thoroughly.
   This has been corrected.
10. p19: In addition to correcting the special characters for some name such in ref. 40, the second line can be justified for all references.
This has been corrected.
11. p29: ...an S = 5/2...
This has been corrected.
12. p35: both "5C and "6C" could be spelled as "Five-Coordinated" and "Six Coordinated".
This has been corrected.
13. p43: There should be a heading for the NMR and Mass spectra like the UV-vis...; other sections as well (p.74)
This has been corrected.
14. p.53: Be consistent with placing the name of the complexes, PIM is at the top...
This has been corrected.
This has been corrected.
16. p.56: font issue at the bottom of the page and next page.
This has been corrected.
17. p.59: In general,...
This has been corrected.
18. p.60: Figures 2.5B and S2.17...
This has been corrected.
19. p.61: Figure S2.18..
This has been corrected.
20. p.63: maybe it is better to write "Vibrational frequencis" instead of "Vibrations"
This has been corrected.
21. p.67: Reduction Potentials...
This has been corrected.
22. p.74, p.96, p.110 or any other: start the new section next page.
This has been corrected.
This has been corrected.

24. Center figures on p.121.
This has been corrected.

25. p.124 and p.125: check the start of the paragraphs
This has been corrected.

26. p.142: only this chapter shows conclusions
This has been corrected.

27. p.157: section iii format error
This has been corrected.

Scientific Errors:

1. p.25: provide yield for compounds 1, 4 and others that are missing. The word "Anal" is found to be in different font as well as color.
This has been corrected.

2. If possible, improve the 'N' numbers in the CHN analysis of 6 in Ch 1, 4 and 5 in Ch.2...
Thanking you for pointing this out. Some of the CHN analysis values do not agree with the calculated values due to the presence of water which is supported by infrared and 1H NMR spectroscopy also (SI).

Finally, the list of publications at the end of the thesis should be in chronological order and should include only those which are published or in press with a DOI number.
This has been corrected.