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| Book Name: | **Advancements in Science and Technology: Paving the Way to a Sustainable Future** |
| Manuscript Number: | **Ms\_BPR\_4465.12** |
| Title of the Manuscript: | **Synthesis and characterization of Schiff base derivatives of organoheterobimetallic dibutyl [Sn(IV); B(III)]-µ-oxoisopropoxide** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** |  |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** |  |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. |  |  |
| **Is the manuscript scientifically, correct? Please write here.** |  |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** |  |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/General comments | |  |  |  | | --- | --- | --- | | Sl No. | From manuscript | comments | | 1 | Benzene? | is non polar solvent and also you have said that the isopropanol librated during the course of reaction. Why you not chosen polar solvent like EtOH, MeOH etc. any reason.  (benzene is carcinogenic solvent better avoid it …….) | | 2 | This results in unexpected structuralvariations that may negatively influence the final materialsproperties | Therefore solvent effect play vital role … so why not you tried your reaction with different solvent and different temperature, justify  If so, discusses it | | 3 | All manipulations have been carried out under anhydrous conditions and solvents and the reagents used were of analytical grade and purified by recommended method | Remove the word manipulation ….give alternative | | 4 | benzene for 4 hrs at ~100 °C in a flask | Have tried with toluene instead of benzene, has toluene (118 0C) ….. if so….. justify it | | 5 | . ~ 1565 cm-1 by ~ 15-25 cm-1 | Remove “~” symbol…. you should be more specific | | 6 | absorption bands in the region 1360-1340 cm-1, 1165-1150 cm-1 and 1090-1020 cm-1 | Specify the intensity with (s) (w) (br) , check another absorption band around 1380-1390 cm-1 for gem- dimethyl group. | | 7 | δ 0.6-1.5 ppm due to the intermixing of methyl protons of terminal and bridging *iso*propoxy groups | How many proton are present and also any coupling is their, if so give J value | | 8 | 7.1-7.8 ppm are due to phenyl ring proton. A peak observed in the 1H NMR spectra of schiff base at δ 11.2 ppm due to phenolic (O-H) proton is found absent in its derivative of organoheterobimetallic-μ- | Specify the proton present in aromatic region  -specify the proton with respect to peak ….. mention neatly | | 9 | δ ~26.9 ppm and δ ~27.4 | Remove “~” symbol…. you should be more specific . | | 10 | Two signal observed in the range δ 160.3-164.0 ppm and δ 148.0-150.16 ppm are due to carbonyl carbon and methine carbon attached to nitrogen of ligand moiety in all the schiff base derivatives of µ- oxo-*iso*propoxide compound | Have you done DEPT NMR … | |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewers:**

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