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| Book Name: | [**Recent Developments in Chemistry and Biochemistry Research**](https://www.bookpi.org/bookstore/product/recent-developments-in-chemistry-and-biochemistry-research-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4042** |
| Title of the Manuscript:  | **Spectroscopic investigation and density functional theory calculations of mercaptobenzothiazole and mercaptobenzimidazole ligands and their rhenium complexes** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | 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 minimumof 3-4 sentences may be required for this part.** | The article reports the syntheses of four rhenium (V) complexes of mercaptobenzothiazole and mercaptobenzimidazole ligands and the complexes were charecterised by 1H and 13C NMR, IR, Mass UV-Vis spectrometryand density functional theory calculations. The [Re(V)O]3+ core are numerous in literature. I recommend to published the article in this book chapter. I would suggest the following aspects-1. The reported work is quiet good. 2. Since this is a book chapter, It is better to draw the complete structure of complexes (I-IV) in Scheme 1. 3. Add figure for mass spectrometry in the manuscript.4. Give orbital pictures of the complexes in ground and excited states. It will give further clarity to your calculation part. DFT calculation is otherwise good and comprehensive. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes.** |  |
| 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. | **Yes.****(Overall in this article, the comma, semicolon symble are used irregularly, the authors fix them carefully. Additionaly, In IR section some data are proceded by an unwanted dash symble, the authors check it carefully.)** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes.** |  |
| Optional/Generalcomments |  |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment *(if agreed with 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 details)*** |  |

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| **Reviewer Details:** |
| **Name:** | **Sandip Mondal** |
| **Department, University & Country** | **Darjeeling Goverment College under University of North Bengal, India** |