## Review Form 1.7

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| Journal Name: | **International Research Journal of Pure and Applied Chemistry** |
| Manuscript Number: | **Ms_IRJPAC_104173** |
| Title of the Manuscript: | **Synthesis, Crystal Structure Determination and Magnetic Study Of a New [2 × 2] Grid Tetranuclear Fe(II) And Ni(II) Complexes Derived From The Ligand 1,5-Bis(1-(Pyridin-2-Yl)Ethylidene)Carbonohydrazide)** |
| Type of the Article | **Original Research Article** |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(https://www.journalirjpac.com/index.php/IRJPAC/editorial-policy )

## Review Form 1.7

**PART 1: Review Comments**

| | **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)* |
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| **Compulsory** REVISION comments<br><br>**1. Is the manuscript important for scientific community?**<br>(Please write few sentences on this manuscript)<br><br>**2. Is the title of the article suitable?**<br>(If not please suggest an alternative title)<br><br>**3. Is the abstract of the article comprehensive?**<br><br>**4. Are subsections and structure of the manuscript appropriate?**<br><br>**5. Do you think the manuscript is scientifically correct?**<br><br>**6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.**<br><br>**(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)** | 1- A lot of editing must be done to improve scientific lexicon and English language.<br><br>**2- yes**<br><br>**3- yes**<br>**4- yes**<br>**5-** The authors mentioned different type from working electrode, **auxiliary** electrode and **supporting electrolyte**<br>In the section "**2.1. Material and Physical Measurement'**<br>A glassy carbon working electrode with a radius of 2 ± 0.1 mm, a stainless steel wire as a counter-electrode and Ag/AgCl electrode as a reference were used.<br><br>And **in section '3. Results and discussion'**<br>**3.3. Electrochemistry Study**<br>The electrochemical properties of tetranuclear square grids iron (II) and nickel (II) complexes were studied by cyclic voltammetry using a carbon graphite working electrode auxiliary to platinum wire in acetonitrile and lithium perchlorate as supporting electrolyte.<br>Cyclic voltammetry experiments were performed in acetonitrile solution 0.1 M of<br>tetrabutylammonium hexafluorophosphate (TBAHFP) as a supporting electrolyte<br>6- Introduction lacks sound and clear motivation for the study under review. Schiff bases and their compounds are extensivly studied compounds for plenty of possible applications, but in the introduction only 1-4,7 papers are cited (the most recent is from 2010!), The introducton must be extensively editted to include recent review and experimental studies. | |
| **Minor** REVISION comments<br><br>**1. Is language/English quality of the article suitable for scholarly communications?** | | |
| **Optional/General** comments | | |

**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)* |
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| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | |

**Reviewer Details:**

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|---|---|
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