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| Book Name: | [**Science and Technology: Developments and Applications**](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4834** |
| Title of the Manuscript: | **Analysis of the Poole-Frenkel conduction mechanism in the Metal/Oxide/Semiconductor structures, considering the correction of the oxide voltage and temperature effects on its characterized parameters** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**BOHR Journal of Material Sciences and Engineering, 2(1): 1–12, 2024.**

**DOI: 10.54646/bjmse.2024.09**

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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 minimumof 3-4 sentences may be required for this part.** | **This is one of the topics in detailed analysis regarding MOSFETs now a days, which is most in research. Any parameter of MOSFET that is researched on is important as it plays a crucial role in VLSI. This manuscript, can be considered as important as it signifies and highlights few of the essential parameters of MOSFET under study.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Title is suitable for the content.** |  |
| 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. | **Parameters under analysis could be elaborated a little in abstract. Flow or inter-relation of the parameters could also be elaborated in abstract for improvisation.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, the manuscript is scientifically correct, since the experimental data and the results are clearly specified.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes, the references are sufficient and include a wide range, from oldest to the most recent ones.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Though the language and its quality is suitable for scholarly communication but it is found that the manuscript has a few flaws(may be considered as typographic errors that can be corrected)- spaceing between words in many places if omitted. Special characters are not prominent. Many of the special characters, especially in the caption for figurese, are not clear. Graph in Fig.13 lacks explaination and clarity of linearization. |  |
| Optional/Generalcomments | Manuscript is acceptable after minor corrections. |  |

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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:**

**Smita C. Chetti, HKE Society’s Sir M. Visvesvaraya College of Engineering, India**