|  |  |
| --- | --- |
|  | |
| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5745** |
| Title of the Manuscript: | **Analysis of Fingerprint Features: Ridge Information, Minutia Information and DWT Features for the Design of Gender Classifier Clusters** |
| 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.**

**International Journal of Intelligent Systems and Applications in Engineering, 12(18s), 138–151, 2024.**

**Available:**[**https://www.ijisae.org/index.php/IJISAE/article/view/4959**](https://www.ijisae.org/index.php/IJISAE/article/view/4959)

|  |  |  |
| --- | --- | --- |
| 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 manuscript makes a notable contribution to the scientific community by enhancing the research on soft biometrics, particularly in gender classification through fingerprint features. By incorporating ridge characteristics, minutiae patterns, and multi-level discrete wavelet transform (DWT) data, the research presents a thorough and data-driven method for biometric analysis. The approach not only improves the comprehension of gender-specific fingerprint characteristics but also lays the groundwork for creating more precise and efficient biometric authentication systems. Additionally, this work covers the way for new research opportunities in forensic science, security, and human-computer interaction, promoting further investigation into gender and identity inference based on physiological patterns. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Current title is informative but overly long and slightly repetitive.  Suggested title is,  “Integrating Ridge, Minutiae, and DWT Features for Fingerprint-Based Gender Identification” |  |
| 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 Comprehensive |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes Correct |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The references in the manuscript are sufficient |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language and English quality of the manuscript is partially suitable for scholarly communication, but it requires revision for clarity, consistency, and professionalism. |  |
| Optional/Generalcomments | Nil |  |

|  |  |  |
| --- | --- | --- |
| **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)* |  |

**Reviewer details:**

**Harsha Vikas Patil, India**