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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\_5132** |
| Title of the Manuscript:  | **RGB Analysis for Forensic Discrimination of Blue Fountain Pen Inks** |
| 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 Forensic Research, Volume 5 | Issue 2, 01-05, 2024.**

**Available: https://www.opastpublishers.com/open-access-articles/rgb-analysis-for-forensic-discrimination-of-blue-fountain-pen-inks.pdf**

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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.** | This paper introduces a novel, cost-effective, and non-destructive method for forensic ink analysis using TLC-IA with RGB profiling. It fills a gap in Turkey's forensic science field and offers a practical tool for document examination, contributing to advancements in questioned document analysis. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title is functional but could be improved for broader appeal.Suggested Alternative: *"A Novel TLC-IA Approach for Forensic Differentiation of Fountain Pen Inks Using RGB Profiling"* |  |
| 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. | The abstract is comprehensive but could benefit from mentioning real-world applications and streamlining repetitive phrases. Adding a sentence about forensic implications would enhance its clarity and impact. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The paper is scientifically sound, with clear methodology and robust data analysis. However, it should address potential limitations, such as environmental factors affecting ink composition, to strengthen its reliability. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are relevant but could include more recent studies on advanced techniques like machine learning or AI in forensic science. Suggestions: Mohsin (2023) on AI in forensics and Boseley et al. (2022) on spectroscopic advancements. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, the English is acceptable. |  |
| Optional/General comments | 1. Expand the sample size for better generalizability.
2. Include case studies or mock scenarios to demonstrate practical utility.
3. Provide pseudocode or supplementary material for software transparency.
4. Improve image resolution and labeling for better interpretability
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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)* |  |

**Reviewer details:**

**Md Al Amin Tokder, Rajshahi University Of Engineering and Technology, Bangladesh**