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| Book Name: | [Microbiology and Biotechnology Research: An Overview](https://www.bookpi.org/bookstore/product/microbiology-and-biotechnology-research-an-overview-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5066** |
| Title of the Manuscript: | **Advance Techniques Used in Forensic Entomology** |
| 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.**

**Uttar Pradesh Journal of Zoology, Volume 46, Issue 7, Page 104-111, 2025.**

**DOI: 10.56557/upjoz/2025/v46i74866**

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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 manuscript offers a comprehensive review of modern entomological techniques that play a critical role in forensic investigations. It serves as a valuable reference for forensic experts, academicians, and students by providing updated methodologies for PMI estimation and evidence analysis. The inclusion of recent tools and procedures enhances its relevance in the field of forensic science. Its focus on accuracy, minimal sample destruction, and improved evidence collection makes it a timely and useful contribution. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, the title is clear, specific, and appropriate for the content presented. No changes are necessary. |  |
| 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 generally comprehensive and covers the major aspects of the manuscript. Minor improvements in phrasing and grammar are suggested. For instance, “It gives the detailed study” should be rephrased as “It provides a detailed study” for smoother readability. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, the manuscript is scientifically sound and technically accurate. The techniques discussed are well-researched and appropriately explained, with supportive references. |  |
| **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 both classical and recent sources up to 2024. No additional references are required. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript contains useful and relevant content but needs minor revisions in grammar and language for clarity and fluency. Some sections could be rewritten to enhance academic tone. |  |
| Optional/General comments | This book chapter provides a valuable and informative overview of advanced techniques used in forensic entomology. It highlights key methodologies that have been developed to enhance the accuracy of post-mortem interval (PMI) estimation. The significance of this work lies in its detailed presentation of practical techniques such as scanning electron microscopy (SEM), molecular identification, entomotoxicology, micro-CT scanning, and stable isotope analysis. These techniques are crucial for forensic investigators and researchers dealing with decompositional evidence. The chapter also sheds light on the stages of decomposition and insect succession, which are fundamental in criminal investigations. This chapter will benefit both academic researchers and practitioners in the field of forensic science.  Weakness/Need for Improvement:  One area that requires improvement is the language and grammar. The manuscript includes several typographical errors, awkward phrasing, and inconsistent terminology. A thorough language review and professional editing are recommended to enhance readability, clarity, and scholarly tone.  Consider adding a summary table highlighting each forensic technique, its application, advantages, and limitations.  Ensure all figure citations and references are properly formatted according to standard citation styles.  The overall structure and content flow are logical and informative. |  |

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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:**

**Mohammad Ahmad Ahmad Odah, Prince Sattam Bin Abdulaziz University, Saudi Arabia**