

**Review Form 1.7**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_117234</b>
Title of the Manuscript:	<b>Unraveling the Mysteries of Inheritance: A Comprehensive Review on the Dynamics of DNA Methylation</b>
Type of the Article	<b>Review Article</b>

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**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)
<p><b><u>Compulsory</u></b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>1. Yes, because Understanding these processes is vital for figuring out how bodies grow and how diseases develop. This manuscript is especially important for scientists who study genetics, reproductive biology, and epigenetics.</p> <p>2. The title "Dynamics of DNA Methylation During Gametogenesis: Insights and Detection Methods" effectively summarizes the main topic of the manuscript. It sums up the information briefly and points out the importance of both understanding how methylation changes over time and the methods used to detect it.</p> <p>3. The abstract gives a detailed overview of the manuscript, summarizing important aspects like the variations in DNA methylation during male and female gametogenesis, the techniques for detecting DNA methylation, and the importance of DNA methylation in genomic imprinting and gene silencing. The abstract shows the importance of the manuscript's content.</p> <p>4. The subsections of the manuscript appear appropriate, with clear distinction between sections discussing male and female gametogenesis, methods of DNA methylation detection, and the importance of DNA methylation. The organization allows for easy understanding of the content.</p> <p><b>5. Yes</b></p> <p>6. The references provided seem enough and include recent studies relevant to the topic of DNA methylation dynamics and detection methods. However, adding more references could make the manuscript cover a wider range of information, especially in areas where recent advancements have been made in understanding DNA methylation.</p>	
<p><b><u>Minor</u></b> REVISION comments</p> <p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>Satisfactory</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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