



Name:	<u>UTTAR PRADESH JOURNAL OF ZOOLOGY</u>
Manuscript Number:	Ms_UPJOZ_3425
Title of the Manuscript:	Unveiling the Hindlimb Skeletal Structure of the Green-Winged Macaw (<i>Ara chloropterus</i>): A Detailed Analysis of Femur, Tibiotarsus, Tarsometatarsus, and Digits
Type of the Article	Original Research Article

1: Review Comments

	Reviewer's comment	Author's feedback
<p><u>Compulsory</u> REVISION comments</p> <p>1. Is the manuscript important for scientific community?</p> <p>(Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable?</p> <p>(If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient</p>	<p>1. Yes, the manuscript is important for the scientific community as it provides detailed insights into the hindlimb skeletal structure of the Green-Winged Macaw. The study highlights specific adaptations in the femur, tibiotarsus, tarsometatarsus, and digits that enable the Macaw to perform various functions such as walking, perching, climbing, and manipulating food. By comparing these anatomical features with other avian species, the research contributes to a better understanding of hindlimb anatomy in Macaws and potentially sheds light on evolutionary adaptations in birds.</p> <p>2. The title of the article, "Hindlimb Skeletal Structure of the Green-Winged Macaw: An Anatomical Study," is suitable as it accurately reflects the focus and content of the research. It clearly indicates that the study examines the hindlimb skeletal structure of the Green-Winged Macaw through an anatomical lens.</p> <p>3. The abstract of the article appears to be comprehensive as it provides a detailed overview of the research on the hindlimb skeletal structure of the Green-Winged Macaw. It outlines the specific bones studied, the anatomical features identified in each bone, and the functional adaptations observed in the Macaw for walking, perching, climbing, and manipulating food. Additionally, the abstract mentions comparisons with other avian species to enhance understanding. Overall, the abstract effectively summarizes the key findings and contributions of the study.</p> <p>4. The subsections and structure of the manuscript are appropriate as they effectively organize the research findings and discussion on the hindlimb skeletal structure of the Green-Winged Macaw. The manuscript includes clear subsections such as "Materials and Methods," "Results and Discussion," and specific sections for each bone studied, which help in presenting the information in a structured and coherent manner.</p> <p>5. Based on the detailed analysis and anatomical descriptions provided in the manuscript, it appears that the research is scientifically correct. The study</p>	<p>--</p> <p>Title has been changed as per the Reviewers' comment.</p>



<p>and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>meticulously examines the hindlimb skeletal structure of the Green-Winged Macaw, highlighting specific anatomical features and functional adaptations in the femur, tibiotarsus, tarsometatarsus, and digits.</p> <p>6. The references provided in the manuscript are relevant and include recent sources such as studies on avian skeletal morphology and anatomical comparisons. The inclusion of references from the past decade ensures that the research is built upon current scientific knowledge. However, to further enhance the comprehensiveness of the manuscript, additional references on avian hindlimb anatomy and comparative studies could be considered. Including recent studies on bird locomotion and skeletal adaptations would strengthen the scientific foundation of the research.</p>	<p>Skeletal adaptation of foot is included under Digits as per the Reviewer's comment</p>
---	---	--



<u>Minor</u> REVISION comments	One minor revision suggestion would be to provide more detailed information on the specific methodologies used in the study, such as the techniques employed for bone preparation and analysis. This would enhance the reproducibility of the research and provide clarity on the experimental procedures. Additionally, including a brief section on the limitations of the study or potential areas for future research could further enrich the manuscript by acknowledging any constraints or opportunities for further investigation.	<ul style="list-style-type: none"> • Detailed information on the specific methodologies used in the study was included under Materials and Methods • Potential areas for future research has been added under Conclusion
<u>Optional</u> comments		

PART 2:

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