Journal Name:	Annual Research & Review in Biology	
Manuscript Number:	Ms_ ARRB _82484	
Title of the Manuscript:	Population Status, Feeding Behaviour and Habitat Preference of Helmeted Guinea Fowl (Numida meleagris) in Surrounding Vegetation of Cross River University Technology, Obubra Campus	
Type of the Article		

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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)
Compulsory REVISION comments	In preliminary survey, was collected per three months each season. But in "Estimating population", was collected for ten months. Data of preliminary survey was registered in article?	
	I suggest add the statistic program in the Methodology.	
	In Materials and Methods (Data analysis): - Where is the complete legend of the formula of IVI?	
	 In Results (Population Size of Helmeted Guinea Fowl in the study area): Correct to: "For the wet and dry seasons, a total of 727 helmeted guinea fowls were recorded." I suggest add data of population density following the abstract. I suggest remove the figure 01. 	
	 In Table 01: Correct to: "Population size of helmeted guinea fowl in the different sectors. N, W, E, and S = Northern, Western, Eastern and Southern sectors." I suggest add total each columns. 	
	In Results (Feeding/Behaviour Pattern of Helmeted Guinea Fowl in the study area):	
	 Correct to: "They was a significant difference in the feeding and behavioural pattern of guinea fowls in both seasons (□² = 4.04, p = 0.001) (Table 2)". I suggest add scientific names in "Gmelina arborea (Gmelina), Tectona grandis (teak) and Elaeis guineensis (oil palm) were the most dominant plant species observed across habitats during the study (Table 4)". I suggest add table with type of food items each season. 	
	 In Table 02: Correct to "□² = 4.043". Correct to "15:30" and "15:30 – 18:30". I suggest compare data for season and describe in table or figure. 	
	In Table 04: - Add legend for RD. - Correct to "Mangifera indica", "Tetrapleura tetraptera" and "Afzelia africana".	
	I suggest add tables 03 and 04 in this topic "Habitat Preference/Plant Species Composition of Helmeted Guinea Fowl in the study area".	
	Where's the data of ANOVA and t-test in results?	
	Add references 03 and 10 on text. Add "Sutherland, 2000" in reference's list.	
Minor REVISION comments	Review the journal's rules for legends of tables and figures.	
	Review the journal's rules for references. Pay attention in following references: 1, 5, 7, 8, 9, 11, 12, 13, 15, 16, 17 and 18.	
	In abstract:	

- Correct to: "Data generated from the research were analyzed using descriptive statistics, while results were compared using chi-square (□²) test, one way Analysis of Variance and t-test.".
- Correct to: "The relationship between allocated time to each activity and time of the day was greatly significant ($\square^2 = 4.04$, p = **0.001**).".

In Introduction:

- Correct to: "The **specie is** highly polygamous and form breeding pairs [16]."
- Correct to: "Though the specie is classified by the International Union for the Conservation of Nature and Natural Resources as least concerned (LC) [9]. The increasing human population, conversion of land for agriculture, burning and environmental degradation have resulted to the decline in the population of the specie."
- Correct to:" Though the **specie** is wide spread and sparingly distributed in areas where it occurs, the current status of its population, feeding behaviour and habitat preference, as well as its management problems as it relate to human interference are still poorly reported [13]. This is necessary to prevent the decimation of the **specie** population, emigration to other unsafe areas, and possible extermination."
- Correct to: "These constitutes the major factors threatening the survival of the helmeted guinea fowl within its range, thereby mounting pressure on the specie population and its habitat."
- Correct to: "This can reduce emigration of specie to unsafe areas, maintain a balance in its population if not increase it numbers, and ensure the protection of the specie and its habitat."

In Materials and Methods (Study Area):

Correct to: "The study was conducted in the surrounding vegetation of Obubra campus of Cross River University of Technology. The area lies between latitude 5° 45' and 6° 15' North of the equator and longitude 8° 12' East. The total land area of Obubra is 1115km² [11]. The climate is characterized by distinct wet and dry seasons, with an annual rainfall distribution of between 2500mm to 3000mm, and an annual temperature of 25 – 27° C [1]."

In Materials and Methods (Sampling techniques and experimental procedure):

- Correct to: "Preliminary survey was conducted to determine the potential location of the **specie** in the study area."
- Correct to: "Three (3) transects each measuring 3km and 10m in width was be laid in upland agricultural field (UAF), lowland swamp field (LSF) and secondary forested area (SFA) in each of the sectors respectively."
- Correct to: "The specie abundance was recorded using the visual and call method."
- I suggest add a map of the points's and transects sampling.

In Materials and Methods (Estimating population):

- I suggest to remove: ".....equation 1"
- Correct to: "The population density was determined using the formula $D = \sum n\ 2LW$, where L = Total transect, n = Number of the species detected, W= width of transect, D = Estimated density of the species [2]."

In Materials and Methods (Feeding behaviour):

Correct to: "Time spent and activity carried out during foraging, time of day, length and site of perching, preening, resting, and flying was recorded using field observations [15]. The focal sampling method was used repeatedly to watch and follow the specie for ten minutes, early in the morning and late in the evening."

PART 2:

		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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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