## Review Form 1.7

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| Journal Name: | **Annual Research & Review in Biology** |
| Manuscript Number: | **Ms_ARRB_95600** |
| Title of the Manuscript: | **Short-term Effects of Garlic-based diets on mRNA Expression of Angiotensinogen, Angiotensin-1 Converting Enzyme, and Atrial Natriuretic Peptide in Cyclosporine-induced Prehypertensive Rats** |
| Type of the Article | **Original Research Article** |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, 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:

(https://www.journalarrb.com/index.php/ARRB/editorial-policy )

## Review Form 1.7

**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)* |
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| **Compulsory** REVISION comments<br><br>**1. Is the manuscript important for scientific community? yes**<br>(Please write few sentences on this manuscript)<br><br>**2. Is the title of the article suitable? yes**<br>(If not please suggest an alternative title)<br><br>**3. Is the abstract of the article comprehensive? Yes comprehensive**<br><br>**4.Are subsections and structure of the manuscript appropriate? Almost suitable**<br><br>**4. Do you think the manuscript is scientifically correct? yes**<br><br>**5. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. Need add 5 references at last 5 years**<br><br>**(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)** | 1- It was discovered that garlic also caused a significant decrease in the mRNA expression of ACE and AGT in standard rats given diets containing 10% and 20% garlic. Was this compared to previous studies?<br><br>2- Why did you not use other proportions of garlic with meals?<br><br>3- Why were the groups selected in the study? Do you think that increasing the used groups affects the results of the study?<br><br>4- Is the result that AGT expression was not significantly increased in mice fed 20% garlic-fed mice compared to control mice ($p < 0.05$). This may be a result of the body's corrective reaction to lowering blood pressure caused by eating garlic, according to previous studies?<br><br>5- If the study was on other types of animals such as rabbits, would the study be affected by the factor of changing the type of animal?<br><br>6- Do the animals, whether male or female, give the same results for the same conditions, or does animal physiology play another role in the study? | |
| **Minor** REVISION comments<br><br>**1. Is language/English quality of the article suitable for scholarly communications? Need rewrite in introduction** | **Need rewrite in introduction** | |
| **Optional/General** comments | 7- If the percentage of the dose taken of garlic changes by more than 20% than does it have an effect on the expression of AGT according to the sentence that when blood pressure decreases under normal conditions, the body detects it and activates RAS to return blood pressure to normal. Therefore, the RAS response to steadily lowering blood pressure in rats fed 20% garlic could be linked to increased AGT expression?<br><br>8- Does garlic have a protective role on the heart, as it appears according to the increase in ANP | |

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| | expression, because the heart produces the cardiac peptide hormone called ANP in response to conditions of high blood pressure that are characterized by increased retention of sodium and water in the extracellular fluid. Does this protective role increase with increasing dose or vice versa with its decrease.<br>9- The control centers of the body work to combat the hypotension caused by eating a diet rich in garlic in order to return the blood pressure to the normal range. This can be achieved by stimulating the renal sympathetic nervous system or by stimulating the renin-angiotensin system. Explain how the stimulation takes place?<br>10 - Did the current study take the percentage of standard error in measurements and standard deviation for all groups? | |

**PART 2:**

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

**Reviewer Details:**



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|---|---|
| Name: | **Quay Kh. Al-Dulamey** |
| Department, University & Country | **Mosul University, Iraq** |