

Editor's Comment:

My below comments on the paper may please be addressed by the authors before acceptance of the paper:

- Clarify Statistical Significance: Provide clearer statistical analysis for all treatment groups, including p-values and confidence intervals, to better interpret the results.
- Justify Animal Number: Include a sample size calculation or reference to similar studies to justify the number of rats used.
- Control Group Composition: Clarify the composition of the control group (Group A) to ensure the methodology is clear.
- Dose Relevance: Provide context on the doses of dyes used in relation to typical human consumption levels.
- Details on Molecular Techniques: Expand on the methods used for molecular identification, including DNA extraction and sequencing protocols.
- Address Confounding Factors: Acknowledge potential confounding variables like diet or environmental conditions that might influence results.
- Implications for Human Health: Discuss the potential implications of the findings for human health, especially in terms of microbial dysbiosis.
- Future Research Directions: Provide more detailed suggestions for future research, including dose-dependent studies and in vivo effects of microbial dysbiosis.
- Grammar and Punctuation: Address minor grammatical and punctuation errors for improved clarity.
- Figure and Table Legends: Expand legends to provide more context and details for figures and tables.

Further Note: Authors are advised to incorporate all points suggested by the reviewers which have not yet been addressed. If they disagree with any suggestions, they should justify their reasons accordingly.

These revisions will strengthen the manuscript and ensure its clarity and scientific rigor. Accordingly all the above points may please be addressed by authors before acceptance of the "Assessment of Antibacterial Activity of Some Synthetic Food Dyes (Carmoisine and Tartrazine) on Gut Microbiota of Albino Rats" also justify the title in view of comments of both the reviewers.

Editor's Details:

Prof. Lachhman Das Singla
College of Veterinary Science, Guru Angad Dev Veterinary and Animal Sciences University, India.