

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_130142
Title of the Manuscript:	Impact of Fenugreek Seed Powder Supplementation on Growth Performance in Commercial Broilers Exposed to Dexamethasone
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	<p>Impact of Fenugreek Seed Powder on Broiler Growth</p> <ul style="list-style-type: none">• Stress Mitigation: Fenugreek seed powder mitigates dexamethasone-induced stress in broilers.• Growth Performance Improvement: Fenugreek seed powder maintains weight gain, feed conversion ratio, and overall growth performance despite stress conditions.• Antioxidant Effects: Fenugreek's antioxidants neutralize oxidative stress, improving cellular health and growth rates.• Immune Modulation: Fenugreek's immunomodulatory effects counteract dexamethasone's immunosuppressive effects, enhancing immune response and overall broiler health.• Feed Efficiency and Nutrient Absorption: Fenugreek enhances gut health, improving nutrient absorption and growth performance.• Economic Benefits: Improved growth performance and feed efficiency lower production costs and increase profitability for poultry farmers.	Included the suggested corrections
Is the title of the article suitable? (If not please suggest an alternative title)	Yes Title Is Suitable.	

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Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Abstract: The study aimed to evaluate the impact of fenugreek seed powder supplementation on the growth performance of commercial broilers exposed to dexamethasone, a synthetic corticosteroid known to induce stress and suppress growth. A total of [X] broiler chicks were randomly divided into groups receiving different dietary treatments, including a control diet, dexamethasone treatment, and diets supplemented with varying levels of fenugreek seed powder. Growth parameters such as body weight gain, feed intake, and feed conversion ratio (FCR) were measured over a period of [X] days. Results indicated that dexamethasone exposure significantly reduced growth performance, while fenugreek seed powder supplementation mitigated these negative effects. Broilers receiving fenugreek demonstrated improved body weight gain and FCR compared to the dexamethasone-only group. The bioactive compounds in fenugreek, including saponins and polyphenols, likely contributed to enhanced antioxidant activity and stress alleviation. The study concludes that fenugreek seed powder can be a natural growth promoter and stress alleviator in broilers under corticosteroid-induced stress conditions. Further research on optimal dosage and long-term effects is recommended.	Included the suggested corrections in the abstract
Is the manuscript scientifically, correct? Please write here.	Yes Manuscript Is Scientifically Correct. Please specify Future Scope Of This Research Article.	Included the scope of the work
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References Reference are OK	
Is the language/English quality of the article suitable for scholarly communications?	Yes Language is suitable. English Quality must be improved.	
<u>Optional/General</u> comments	Please specify general requirements and future Scope, limitations of research. ANOVA Results.	Included the future scope of the research work

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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	The Institutional Animal Ethics Committee permission was procured, which is mentioned in the manuscript.