

Review Form 3

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| 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 <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| <p>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> | <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. | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>Yes Title Is Suitable.</p> | |

Review Form 3

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| <p>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.</p> | <p>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.</p> | |
| <p>Is the manuscript scientifically, correct? Please write here.</p> | <p>Yes Manuscript Is Scientifically Correct. Please specify Future Scope Of This Research Article.</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | <p>ReferencesReference are OK</p> | |
| <p>Is the language/English quality of the article suitable for scholarly communications?</p> | <p>Yes Language is suitable. English Quality must be improved.</p> | |
| <p><u>Optional/General</u> comments</p> | <p>Please specify general requirements and future Scope, limitations of research. ANOVA Results.</p> | |

PART 2:

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

Reviewer Details:

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|---|--|
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