A study on antifungal activity of Rosemary in poultry feed and synthetic media

Mariam Abd Elhameid, E.M. El-Diasty, R.M. El-Kaseah

Professor

Abstract

The aim of the present study was to evaluate the usage of Rosemary leaves as natural plant at different concentrations or its extract as anti-fungal agent in poultry ration as well as studying the anti-fungal effect of Rosemary extract on A. flavus strains in vitro. Commercial poultry ration was used in this study. The ration examined macroscopically for detection of any fungal contamination, then subjected to the isolation of fungal contaminant and mycotoxins. A toxigenic A. flavus strain was used as test microorganism. It is isolated from poultry ration samples examined previously. The air dried powdered leaves and alcoholic extract of Rosemary leaves were tested as anti-fungal in poultry ration as well as in synthetic media. The results were recorded and evaluated.