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| • 計畫中文名稱 | 開發以靈芝廢渣抽取物作爲雞隻免疫調節飼料之利用探討 | | |
| • 計畫英文名稱 | Development and Utility of Ganoderma Residues as Chicken Immunomodulatory Feeds | | |
| • 系統編號 | PW9706-1389 | • 研究性質 | 應用研究 |
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| • 研究領域 | 畜牧獸醫類 | | |
| • 研究人員 | 林時宜 | | |
| • 中文關鍵字 | -- | | |
| • 英文關鍵字 | -- | | |
| • 中文摘要 | 本研究以中藥工廠靈芝之廢渣利用鹼性處理或微生物發酵方法釋放多醣體之特性製成。其製程爲以 1 N $Ca(OH)_2$, 121 ℃處理靈芝子實體廢渣 1 小時後，再以有機酸中和後乾燥製粉而成；或利用木黴菌進行固態發酵，並將製成之中藥廢渣進行成分分析與活性多醣測定。利用中藥廢渣不同濃度添加於飼料中進行雞隻餵食，定時採血進行免疫調節活性測定。 | | |
| • 英文摘要 | The present study is to develop a new health ingredient for animal feed from the residue of Ganoderma fruiting bodies that is a waste from the manufacturing of health food for human. The waste is treated with 10 fold ratio (w/v) of 1 N $Ca(OH)_2$ and heated to 121 ℃ for 30 minutes to release alkaline soluble polysaccharide or by solid-state fermentation of Trichoderma spp. to get healthy feeds. These feeds were analyzed as a general compositions, and contents of active polysaccharides. The helathy ingredient were added in different concentrations as chicken feeds, and the sera were picked for immunomodulatory activity assay. | | |