



كلية الزراعة



جامعة الفيوم

### البحث الرابع (دولي - مشترك)

Mohmoud A. Ahmed and **Mahmoud A. Ahmed** (2019). **Farmers' Perception and Adaptation to Climate Change: Multinomial Logistic Model Evidence**, International Journal of Economics and Management Studies (SSRG-IJEMS), Vol. Issue 10.

This research examines farmers' perception and adaptation to climate change in Fayoum governorate, Egypt. A survey was collected in January 2019 where seventy four farmers were interviewed. Results revealed that farmers perceived increase in temperature and a lack of rainfall. Increased in farm costs are considered a first negative impact of climate change. The results of the multinomial logistic model revealed that there is a significant effect of education level, age and farm location of water source on the adaptation method to climate change. Government should provide farmers with extension services, moreover, ensuring credit facilities to enhance farmers' access to credit, which will increase their capability to adapt to climate change.