Abstract:

A study was carried out at Elneshasheba Experimental Farm in Wad Medani, Sudan, to determine the chemical composition of different parts of the Mesquite tree at four pod maturity stages. The crude protein (CP) was significantly higher in the growing tips followed by flowers and green pods, without seeds. The CP in the pods declined with advanced stage of maturity. The crude fibre (CF) was least in the flowers followed by the growing tips and was significantly higher in the pods. The results indicated that Mesquite is a promising feed for ruminants, and the pods should be harvested before repening for better nutritive value and to avoid the spread of seeds to areas where Mesquite is not desired.