Proximate Composition and Mineral Contents of Ocimum gratissimum Leaves (African Basil)

Authors : Adebola Ajayi

Abstract : Ocimum gratissimum belongs to the Lamiaceae family and is know generally as African Basil. Ocimum gratissimum leaves are widely used as local condiments in diets. The leaves were destalked sorted, washed with potable water to remove dirts, air dried for 14 days under ambient temperature and milled into powder. The proximate composition and mineral contents of Ocimum gratissimum leaves were investigated. The proximate analysis showed the moisture, crude, protein, total ash, crude fiber, crude lipid and total carbohydrate contents were $10.72\pm0.01\%$, $12.98\pm0.10\%$, 10.95 ± 0.42 , $10.21\pm0.04\%$, $4.81\pm0.04\%$ and $49.01\pm0.25\%$ respectively. The results of the analysis showed that Ocimum gratissimum could be a good source of important food nutrients.

1

Keywords : African Basil, drying, Ocimum gratissimum, proximate

Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020