Crude extracts were prepared from the flowers and callus of *Moringa oleifera* using ethanol extract and screened for their antimicrobial activity against some bacteria and fungal pathogen by paper disc method. The tested gram positive bacterial strains were *Bacillus subtilis* and *Staphylococcus aureus*, gram negative bacterial strains were *Escherichia coli*, *Klebsiella pneumoniae* and fungal pathogen *Candida albicans*. Although flavonoids are present in all parts of *Moringa oleifera*, maximum amount was observed in flowers. Hence soxhlet extract of 5 grams of powdered flowers and unorganized tissues of *M. oleifera* were screened for their antimicrobial activity. Among the flowers and unorganized tissue tested, the ethanol extract of callus exhibited higher antimicrobial activity when compared to the floral extract.