

## **P6. TRADITIONAL MEDICINE: ANTIBACTERIAL ACTIVITY OF *Tagetes minuta* PLANT LEAVES EXTRACTS**

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Medicinal plant is the weapon used by Rwandan people especially those of rural areas to heal different diseases but sometime the usage does not refer to any scientific proof. This Project was focused on the antibacterial activity determination of *Tagetes minuta* plant leaves extract. Antibacterial activity was carried out using *Escherichia coli*, and *Staphylococcus aureus*. Water and methanol was used in extraction as solvent. The activity was evaluated at different concentration by using disc diffusion and serial dilution methods. Methanol extracts had stronger inhibitory effects on both bacteria while the aqueous extracts didn't showed any effect on both bacteria and the most susceptible bacteria in this study were *S. aureus* than *E. coli*. The antibiotic penicillin shows greater inhibition zone than that of plant extracts. This study has confirmed and justified the use of *Tagetes minuta* plant leaves amongst the people especially those in rural communities