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## In-vitro antibacterial and antibiofilm effects of aqueous extract of *Moringa oleifera* against *Salmonella* isolates from commercial chickens in Southwest Nigeria

**Orum Terese Gabriel**

University of Ibadan, Nigeria

**S**almonella is a major food borne pathogen commonly from poultry resulting in large number of outbreaks worldwide. Biofilm is ubiquitous in farms and food processing environment serving as crucial pathogenic and antimicrobial resistance mechanism of bacteria. The global public threat of multi drug resistance bacteria has led to the investment in the search for alternative natural (indigenous plants) antibacterial remedies. This study investigated the antimicrobial and biofilm inhibition effects of *Moringa oleifera* leave extracts on *Salmonella* isolate in chicken. Isolation, characterization and enumeration of bacteria were carried out on 334 chicken samples obtained from poultry farms in Lagos Nigeria. The MIC of aqueous extracts of *Moringa* leaves was obtained followed by in vitro sensitivity of graded concentrations to the isolate by the agar while diffusion method with ATCC 13311 (NCTC 74) salmonella as reference strain. The minimum inhibitory concentration (MIC) of the extract for each of the test organism wa.

tereseorum@gmail.com