Emerging Use of Sarcophyte piriei Against Human Pathogens: Towards **Combating Antimicrobial Resistance.**

Dr. Dennis Jack Opwoko

Head of Department, Department of Pharmacology and Clinical Pharmacy, School of Pharmacy, College of Health Sciences, Mount Kenya University, P.O. Box 342-01000, Thika, Kenya. djopwoko@mku.ac.ke

ABSTRACT

Antimicrobial resistance is gradually increasing and becoming a global threat to public health. Hence, there is a need for continuous search and development of potent antimicrobial agents for the treatment of infectious diseases. In the recent past, plants have shown exciting antimicrobial activity of their immense phytochemical because constituents. The challenges facing the utilization of ethnomedicine are, among others, the lack of sufficient studies to ascertain their quality, safety and efficacy. Sarcophyte is a holoparasite plant and trophic guild parasite. Its native ranges from Southern parts of Ethiopia to South Africa. It has a vital medicinal value in managing various disorders. This presentation purposes to give an upto-date understanding of the Sarcophyte genus medicinal values that have been outlined in grey and published literature. Literature has been reviewed using search engines such as Google Scholar, HINARI, Science Direct, PubChem, Sciverse, EBSCO and Scopus. Sarcophyte piriei is

employed to treat diseases such as sores, bruises, sore throat, swollen glands, toothache, abdominal pain, diarrhoea, shingles, cancer, snake bites and disorders. menstrual Alkaloids. flavonoids. phenols, saponins, terpenoids and tannins have been shown to be the major phytochemical constituents associated with inhibitory effects against Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa, Streptococcus pyogenes, Klebsiella pneumonia and Proteus mirabilis. Its safety and toxicity have not been well established hence the need for evaluation. More are required elucidate more studies to phytochemical composition, medicinal values, efficacy, potency, safety and toxicity. This lecture will present the Sarcophyte genus as an emerging source of bio-actives with activity against common human pathogens. It thus plays a central role in combating antimicrobial resistance due to the synergistic activity of its secondary metabolites.



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