SYNERGISTIC POTENTIALS AND ISOLATION OF BIOACTIVE COMPOUNDS FROM THE EXTRACTS OF TWO HELICHRYSUM SPECIES INDIGENOUS TO THE EASTERN CAPE PROVINCE

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Chapter 1

GENERAL INTRODUCTION

USE OF BIOACTIVE PLANT PRODUCTS IN COMBINATION WITH STANDARD ANTIBIOTICS: IMPLICATIONS IN ANTIMICROBIAL CHEMOTHERAPY

(Published in the Journal of Medicinal Plants Research)

IN VITRO TIME KILL ASSESSMENT OF METHANOL EXTRACT OF HELICHRYSUM PEDUNCULATUM LEAVES

(Published in the African Journal of Biotechnology)

STUDIES ON THE IN VITRO TIME KILL ASSESSMENT OF ACETONE AND AQUEOUS EXTRACTS OF HELICHRYSUM PEDUNCULATUM LEAVES

(Published in the African Journal of Biotechnology)

IN VITRO ANTIBACTERIAL TIME KILL STUDIES OF ACETONE, ETHYL ACETATE, METHANOL AND AQUEOUS LEAVES EXTRACTS OF HELICHRYSUM LONGIFOLIUM

(Published in the Journal of Medicinal Plant Research)

SYNERGISTIC INTERACTION OF HELICHRYSUM PEDUNCULATUM ETHANOL LEAF EXTRACTS WITH ANTIBIOTICS AGAINST WOUND INFECTION ASSOCIATED BACTERIA

(Published in the Journal of Biological Research)

INTERACTIONS OF ANTIBIOTICS AND ACETONE AND AQUEOUS EXTRACTS OF *HELICHRYSUM PEDUNCULATUM* AGAINST BACTERIA IMPLICATED IN WOUND INFECTIONS

(Published in Folia Microbiologica)

IN VITRO ANTIBACTERIAL ACTIVITIES OF ACETONE, ETHYL ACETATE, METHANOL, CHLOROFORM AND AQUEOUS EXTRACTS OF THE LEAVES OF HELICHRYSUM LONGIFOLIUM IN COMBINATION WITH SELECTED ANTIBIOTICS

(Published in the African Journal of Pharmacy and Pharmacology)

PHYTOCHEMICAL SCREENING AND POLYPHENOLIC ANTIOXIDANT ACTIVITY OF AQUEOUS LEAF EXTRACT OF HELICHRYSUM PEDUNCULATUM

(Published in the International Journal of Molecular Sciences)

IN VITRO ANTIOXIDANT ACTIVITY OF THE PHENOLIC COMPOUNDS AND PHYTOCHEMICAL SCREENING OF HELICHRYSUM LONGIFOLIUM: A PLANT USED FOR CIRCUMCISION WOUND HEALING

(Submitted for Publication in BMC Complementary and Alternative Medicine Journal in this format)

ISOLATION OF BIOACTIVE COMPOUNDS FROM HELICHRYSUM LONGIFOLIUM AND HELICHRYSUM PEDUNCULATUM

GENERAL DISCUSSION, RECOMMENDATIONS AND CONCLUSIONS