

Department	Researcher(s)			Supervisor(s)			Title
Paracl Sciences	Dr	V	Naidoo			-	A STUDY TO DETERMINE THE BLOOD LEAD LEVELS OF WILD CAUGHT AFRICAN WHITE BACKED VULTURES IN COMPARISON TO CAPTIVE BIRDS
Paracl Sciences	Dr	JG	Myburgh	Prof	CJ	Botha	THE TOPOGRAPHICAL ANATOMY AND HISTOLOGY OF THE ENDOCRINE ORGANS OF THE NILE CROCODILE (<i>CROCODYLUS NILOTICUS</i>)
Paracl Sciences	Dr	JG	Myburgh	Prof	CJ	Botha	DEVELOPMENT OF A PRIMARY HEPATOCYTE CULTURE SYSTEM FOR THE NILE CROCODILE (<i>CROCODYLUS NILOTICUS</i>) TO INVESTIGATE THE <i>IN VITRO</i> EFFECTS OF CHEMICAL POLLUTANTS AND PHARMACEUTICAL PRODUCTS FROM AQUATIC ECOSYSTEMS
Paracl Sciences	Dr	MM	Steenkamp	Dr	SJ	Clift	THE COMPARATIVE PATHOLOGY OF SPIROCHEROSIS IN THE BLACK-BACKED JACKAL (<i>CANIS MESOMELAS</i>) VERSUS THE DOG IN SOUTH AFRICA
Paracl Sciences	Dr	JA	Benade	Prof	JA	Lawrence	TRANSMISSION OF <i>THEILERIA</i> SPECIE (SABLE) TO ROAN ANTELOPE FROM SCHIZONT INFECTED <i>IN VITRO</i> CULTURED LEUKOBLASTS
Paracl Sciences		O	Madzingira	Prof	CME	McCrindle	SERO-PREVALENCE OF BRUCELLOSIS IN SHEEP AND SPRINGBOK (<i>ANTIDORCAS MARSUPIALIS</i>) IN THE KARAS REGION OF NAMIBIA
Paracl Sciences	Dr	V	Mariano	Prof	CME	McCrindle	MOLECULAR EPIDEMIOLOGY OF TETRACYCLINE RESISTANCE IN FAECAL <i>ESCHERICHIA COLI</i> ISOLATED FROM IMPALA (<i>AEPYCEROS MELAMPUS</i>) AND THEIR DRINKING WATER
Paracl Sciences	Dr	J	Poghon	Prof	C	McCrindle	ASSESSMENT OF SOCIO-ECONOMIC BENEFITS AND COST OF HUMAN/WILDLIFE INTERACTION IN TSAVO CONSERVATION AREA, KENYA
Paracl Sciences		SS	de Lange	Dr	L	Meyer	TREMORS IN THE WHITE RHINOCEROS (<i>CERATOTHERIUM SIMUM SIMUM</i>) DURING CHEMICAL IMMOBILIZATION
Paracl Sciences	Dr	B	Eggers	Dr	L	Meyer	EVALUATION OF THE PHYSIOLOGICAL EFFECTS OF A MEDETOMIDINE/MIDAZOLAM/BUTORPHANOL-INDUCED ANAESTHESIA IN FREE-RANGING BLACK-FOOTED CATS (<i>FELIS NIGRIPES</i>) COMPARED TO THOSE KEPT IN CAPTIVITY
Paracl Sciences	Dr	MR	Toft	Dr	L	Meyer	AN EXAMINATION OF CRITICAL PHYSIOLOGICAL PARAMETERS AFFECTED BY LIFTING WHITE RHINO (<i>CERATOTHERIUM SIMUM SIMUM</i>) UPSIDE-DOWN BY THE "FOOT-SLING" METHOD
Paracl Sciences		LC	Bekker	Dr	JG	Myburgh	ESTABLISHMENT AND VALIDATION OF A GAS-GHROMATOGRAPHIC/MASS SPECTROMETRIC METHOD FOR THE DETECTION AND IDENTIFICATION OF URINARY METABOLITES IN THE NILE CROCODILE (<i>CROCODYLUS NILOTICUS</i>)
Paracl Sciences	Mrs	S	Muenschner	Dr	JG	Myburgh	NON-INVASIVE ASSESSMENT OF ADRENOCORTICAL FUNCTION IN CAPTIVE NILE CROCODILES (<i>CROCODYLUS NILOTICUS</i>) AND ITS RELATION TO HOUSING CONDITIONS AND STRESS RELATED BEHAVIOURS
Paracl Sciences		S	Pfitzer	Dr	J	Myburgh	STRESS RELATED PARAMETERS IN FARMED NILE CROCODILES (<i>CROCODYLUS NILOTICUS</i>) CAPTURED MANUALLY OR WITH ELECTRICAL IMMOBILISATION
Paracl Sciences	Mrs	J	Dabrowski	Dr	P	Oberholster	THE PHYSICO-CHEMICAL LIMNOLOGY OF LOSKOP DAM INCLUDING POSSIBLE CAUSES OF PANSETEATITIS IN MOZAMBIQUE TILAPIA (<i>OREOCHROMIS MOSSAMBICUS</i>)
Paracl Sciences	Dr	V	Naidoo	Prof	GE	Swan	A STUDY TO COMPARE THE BIOAVAILABILITY OF TWO AMOXICILLIN/CLAVULANIC ACID TABLET FORMULATIONS IN DOGS
Paracl Sciences	Dr	V	Naidoo	Prof	GE	Swan	MOLECULAR CHARACTERISATION OF THE TOXICITY OF DICLOFENAC IN WHITE BACKED VULTURES: PROJECT 1-A STUDY OF THE INNERVATION OF THE RENAL PORTAL VALVE
Paracl Sciences	Dr	V	Naidoo	Prof	GE	Swan	MOLECULAR CHARACTERISATION OF THE TOXICITY OF DICLOFENAC IN ORIENTAL WHITE BACKED VULTURES - PROJECT 2: AN <i>IN VITRO</i> STUDY USING PRIMARY AVIAN CELL CULTURES
Paracl Sciences	Dr	TA	Gous	Prof	MC	Williams	THE PATHOLOGY OF TUBERCULOSIS, CAUSED BY MICROBACTERIUM TUBERCULOSIS, IN A HERD OF SEMI FREE-RANGING SPRINGBOK
Paracl Sciences		LC	Bekker				INVESTIGATION OF THE <i>IN VITRO</i> EFFECTS OF STEROIDS ON A PRIMARY HEPATOCYTE CULTURE SYSTEM OF THE NILE CROCODILE (<i>CROCODYLUS NILOTICUS</i>)
Paracl Sciences		L	Meyer				DETERMINATION OF THE EFFICACY OF NOVEL DRUG COMBINATIONS FOR INDUCTION AND LONG-TERM ANAESTHESIA OF IMPALA (<i>AEPYCEROS MELAMPUS</i>) IN FIELD CONDITIONS
Paracl Sciences	Dr	V	Naidoo				A STUDY TO DETERMINE THE SUSCEPTIBILITY OF WILD CROWS TO DICLOFENAC TOXICITY
Paracl Sciences	Dr	V	Naidoo				CARDIOVASCULAR PHYSIOLOGY OF THE GIRAFFE
Paracl Sciences		LJ	Venter	-			THE EFFECTS OF BUTORPHANOL ON RESPIRATORY PARAMETERS OF GIRAFFE (<i>GIRAFFA CAMELOPARDALIS</i> GIRAFFE) UNDER THIAFENTANIL (A3080) IMMOBILIZATION

The Department of Paraclinical Science is currently involved in a number research projects in a few focus areas:

One of these areas is **Wildlife Pharmacology** where studies are being performed to look at novel ways of improving chemical capture, anaesthesia and clinical treatment of wildlife.

Another area is focused on the **Adverse Effects of Capture** where studies are being performed to better understand the complications of capturing wildlife with the future intention of developing pharmacological treatments or advising on better management practices.

These two areas of research are headed up by Dr Leith Meyer and his details and current research projects can be viewed at the following link

<http://web.up.ac.za/default.asp?ipkCategoryID=21990>