

C O N T E N T S

CHAPTER		PAGE
	INTRODUCTION	1
	PART - I	
	PHYSIOLOGY OF TAIL REGENERATION	
I	Tail regeneration in <u>Mabuya carinata</u> related with breeding seasons and thyroid activity.	18
II	Local and systemic alterations in glycogen content and phosphorylase activity during tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> .	41
III	Local and systemic alterations in lactate and succinate dehydrogenases during tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> .	56
IV	Quantitative and electrophoretic analysis of lactate dehydrogenase during tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> .	69
V	Local and systemic alterations in protein content and transaminases during tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> .	90
VI	Involvement of cAMP in tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> as evaluated by the activity levels of cAMP phosphodiesterase : A systemic and local analysis.	107
VII	Cholinesterases during tail regeneration : A local and systemic analysis in the Scincid lizard, <u>Mabuya carinata</u> .	123

CHAPTER		PAGE
	PART - II	
	ENDOCRINE PHYSIOLOGY OF TAIL REGENERATION	
VIII	Thyroid and carbohydrate metabolism in relation to tail regeneration ⁱⁿ the Scincid lizard, <u>Mabuya carinata</u> : A local and systemic analysis.	142
IX	Local and systemic alterations in succinate dehydrogenase activity in relation to altered thyroid functioning and tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> .	168
X	Thyroid and tail regeneration : Local and systemic alterations in protein content and activities of transaminases under differential functioning of thyroid in the Scincid lizard, <u>Mabuya carinata</u> .	179
XI	Local and systemic phosphodiesterase activity in relation to tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> under altered functional states of thyroid.	204
XII	Renal and hepatic ascorbic acid contents during tail regeneration in the Scincid lizard, <u>Mabuya carinata</u> under euthyroidic, hypothyroidic and T4 replaced conditions.	217
	S U M M A R Y	228
	GENERAL CONSIDERATIONS	239
	B I B L I O G R A P H Y	248