

## CONTENTS

CHAPTER		PAGE
	INTRODUCTION	1
1	Comparative evaluation of <u>in loco</u> and systemic carbohydrate metabolism during caudal autotomy and fore-limb amputation in <u>Hemidactylus flaviviridis</u>	13-25
2	Local and systemic alterations in protein content post-caudal autotomy and post-limb amputation : A comparative evaluation in <u>Hemidactylus flaviviridis</u>	26-37
3	Comparative evaluation of <u>in loco</u> and systemic alterations in ascorbic acid during post-caudal autotomy and post-limb amputation in <u>Hemidactylus flaviviridis</u>	38-49
4	Comparative evaluation of quantitative alterations in hepatic and muscle phosphatases post-caudal autotomy and post-limb amputation in <u>Hemidactylus flaviviridis</u>	50-60
5	<u>In loco</u> and systemic responses to simultaneous caudal autotomy and limb amputation in <u>Hemidactylus flaviviridis</u>	61-78
6	<u>In loco</u> and systemic alterations in Vitamin A content during tail regeneration in the Gekkonid lizard, <u>Hemidactylus flaviviridis</u>	79-87
7	Gonadectomy and tail regeneration in the Gekkonid lizard, <u>Hemidactylus flaviviridis</u>	88-97

CHAPTER	PAGE
8 <u>In loco</u> and systemic alterations in glycogen content and blood glucose level during tail regeneration in relation to gonadectomy in Gekkonid lizard, <u>Hemidactylus flaviviridis</u>	98-112
9 <u>In loco</u> and systemic alterations in protein content during tail regeneration in normal, sham operated and gonadectomised lizards, <u>Hemidactylus flaviviridis</u>	113-130
10   Gonadectomy and Regeneration : Alterations in Vitamin C content during tail regeneration in the Gekkonid lizard, <u>Hemidactylus flaviviridis</u>	131-145
11 <u>In loco</u> and systemic alterations in lipid fractions during tail regeneration in normal, sham operated and gonadectomised lizards, <u>Hemidactylus flaviviridis</u>	146-168
12   Levels of inorganic phosphorus during tail regeneration in normal, sham operated and gonadectomised lizards, <u>Hemidactylus flaviviridis</u>	169-179
13   Unilateral adrenalectomy and tail regeneration in the Gekkonid lizard, <u>Hemidactylus flaviviridis</u>	180-227
SUMMARY	228
GENERAL CONSIDERATIONS	240
BIBLIOGRAPHY	254

\* \* \* \* \*