CONTENTS	Page No.
Abstract	9
CHAPTER -I INTRODUCTION	11
Butterflies (Lepidoptera)	11
Butterflies as study materials	12
Indian butterflies – a brief record	13
Butterfly and North East India	14
Objective of the work	16
CHAPTER –II	
2.0 REVIEW OF LITERATURE	17
2.1. Butterfly distribution and North Eastern India	21
2.2 Butterfly abundance	24
CHAPTER III: - MATERIALS AND METHODS	
Study area	25
Location Map	26
Study site I (Ghagua)	27
Study site II (South Amchang)	28
Study site III (Bonda)	30
3.2 Study design:	31
3.3. Data collection methods	31
3.4 Butterfly species identification	32
3.5. Statistical indices and analyses:	32
CHAPTER IV - RESULTS	
4.1 Butterfly species recorded	35
4.2. Butterfly Diversity and Occurrence at site I (Ghagua)	48
4.2.2 Butterfly Abundance, Diversity and Occurrence at the site I (Ghagua)	57
4.2.3. Diversity and Richness at the site I (Ghagua)	67

•	Occurrence at the site II (South Amchang) the site II (South Amchang)	73 73
4.3.2 Butterfly Density, Abund	lance and Occurrence at the site II.	79
4.3.3. Diversity and Richness a	at the site II (South Amchang)	95
Butterfly Diversity and Oc	ecurrence at the site III (Bonda)	100
Species of Butterflies at	the site III (Bonda):-	100
4.4.2 Butterfly Diversity, Abur	ndance and Occurrence at the site III (Bonda).	106
4.4.3. Diversity and Richness a	at the site III (Bonda)	120
Correlation of environmen	atal parameter with Butterfly Diversity and Density	126
Correlation of environmente site I (Ghagua).	ental parameters with Butterfly Diversity and Dens	sity at 126
Correlation of environmenthe site II (South Amchang)	ental perameters with Butterfly Diversity and Dens	sity at 129
Correlation of environmente site III (Bonda)	ental perameters with Butterfly Diversity and Dens	sity at 131
Similarity of Butterfly spe	cies between the study sites	138
Vegetation		150
Vegetation in site I (Gha	gua)	150
Vegetation in site II (So	outh Amchang)	153
Vegetation of site III (Bo	onda)	155
4.8 Butterfly and Host plane	ts	157
Threats and anthropogenic	e factors affecting the Butterfly Diversity	160
Anthropogenic factors:		161
Human influx		161
Impact of Tea Estates	on Butterfly Diversity:	162
Degradation of wetlar	nd	163
CHAPTER V :- DISCUSSION	N	166
Site I (Ghagua)		166
Site II (South Amchang)		170
5.3 Site III (Bonda)		172

CHAPTER VI - SUMMARY, FINDINGS AND SUGGESTIONS

6.1. Summary	176
6.2 Findings	177
Overall Conclusion	179
Suggestions	180
7.0 REFERENCES	181
Published paper 1	
Published paper 2	
List of Paper published and seminar attended	
Anti Plagiarism Certificate	