

CONTENTS

TITLE	PAGES
Certificate	i
Declaration	ii
Acknowledgment	iii–vi
List of figures	vii
List of photoplates	vii
List of tables	viii
Abbreviation used	ix
CHAPTER 1: INTRODUCTION	
1.1. General account	1–5
1.2. Choice of the present work	5–6
1.3. Aim and objectives of the study	6
CHAPTER 2: REVIEW OF LITERATURE	
2.1. Historical background on the plant knowledge in India	7
2.2. Review of botanical exploration in India	8–9
2.3. Review of floristic diversity in northeast India	9–10
2.4. Review of floristic diversity in Assam	10–12
CHAPTER 3: STUDY AREA	
3.1. Location	13–14
3.2. Approach	14
3.3. Geology and soil	16
3.4. Vegetation	17–21
3.5. Demography	21
CHAPTER 4: MATERIALS AND METHODS	
4.1. Field surveys and collections	26
4.2. Preparation of herbarium specimens	26
4.3. Institute housing of herbarium specimens	26

4.4. Dissections of floral morphology	26
4.5. Identification of plant taxa	27
4.6. Identification of threatened and endemic species	27
4.7. Classification and arrangement of taxa	27
4.8. Taxonomic keys	28
4.9. Nomenclature	28
4.10. Description of taxa	28
4.11. Ethno-botanical information	28
4.12. Maps and photo plates	29
4.13. Documentation on threat status	29

CHAPTER 5: RESULTS

5.1. Floristic account	30–31
5.2 Taxonomic keys	32–41
5.3. Taxonomic enumeration	
5.3.1. Pteridophytes	42–63
5.3.2. Gymnosperms	64–65
5.3.3. Angiosperms	66–462

CHAPTER 6: DISCUSSION

6.1. Analysis	463–467
6.2. Interesting floral elements of the study area	
6.2.1. Rediscovery	467
6.2.2. New distribution record taxa to Assam	467–468
6.2.3. New additions to the flora of BTAD (now BTR)	468–478
6.2.4. Threatened plants	478–482
6.2.5. Endemic plants	482–483
6.2.6. Primitive taxa	483–485
6.2.7. Monotypic genera	485–486
6.3. Plants with traditional knowledge	486–491
6.4. Exotic plants	491–493
6.5. Current and future threats status of the study area	494–502
6.6. Conservation strategies	503–504

CHAPTER 7: SUMMARY	505–507
CHAPTER 8: CONCLUSION	508–509
REFERENCES	510–522
PHOTOPLATES	523–593
APPENDIX 1	594–600
APPENDIX 2	601–603
APPENDIX 3	604–605
APPENDIX 4	606
APPENDIX 5	607