

# Contents

Contributors	xv
Preface	xii
Chapter 1 Introduction Nina G. Jablonski	1
<b>PART I Evolution and Systematics</b>	
Chapter 2 The Evolution of the Doucs and Snub-nosed Monkeys and the Question of the Phyletic Unity of the Odd-nosed Colobines <i>Nina G. Jablonski</i>	13
Chapter 3 Classification and Distribution of the Extant Subspecies of Golden Snub-nosed Monkey ( <i>Rhinopithecus [Rhinopithecus] roxellana</i> ) <i>Wang Yingxiang, Jiang Xuelong and Li Dewu</i>	53
Chapter 4 Mitochondrial Cytochrome b Gene Sequences of Langurs: Evolutionary Inference and Conservation Relevance <i>Zhang Yaping and Oliver A. Ryder</i>	65
<b>PART II Anatomy</b>	
Chapter 5 The Integument of the “Odd-nosed” Colobines <i>George Chaplin and Nina G. Jablonski</i>	79
Chapter 6 Mandibular Morphology of the Doucs and Snub-nosed Monkeys in Relation to Diet <i>Nina G. Jablonski, Pan Ruliang and George Chaplin</i>	105
Chapter 7 The Morphology of the Gastrointestinal Tract of <i>Pygathrix nemaeus</i> (Linnaeus, 1771) <i>J. M. Caton</i>	129

**PART III Ecology and Behavior**

- Chapter 8 Ecology and Behavior in Snub-nosed and Douc Langurs 155  
*R. Craig Kirkpatrick*
- Chapter 9 Natural History of Douc Langurs 191  
*Lois K. Lippold*
- Chapter 10 Preliminary Observations of the Ecology and Behavior of the Tonkin Snub-nosed Monkey (*Rhinopithecus [Presbytiscus] avunculus*) in Northern Vietnam 207  
*Ramesh Boonratana and Le Xuan Canh*
- Chapter 11 Ecology and Behavior of the Guizhou Snub-nosed Langur (*Rhinopithecus [Rhinopithecus] brelichi*), with a Discussion of Socioecology in the Genus 217  
*William V. Bleisch and Xie Jiahua*
- Chapter 12 Selected Nutrient Analysis of Plants in the Diet of the Guizhou Snub-nosed Monkey (*Rhinopithecus [Rhinopithecus] brelichi*) 241  
*William V. Bleisch, Liu Zhenmei, Ellen S. Dierenfeld and Xie Jiahua*
- Chapter 13 Preliminary Survey of the Home Range and Ranging Behavior of Golden Monkeys (*Rhinopithecus [Rhinopithecus] roxellana*) in Shennongjia National Natural Reserve, Hubei, China 255  
*Su Yanjie, Ren Renmei, Yan Kanghui, Li Jinjun, Yin Zhou, Zhu Zhaoquan, Hu Zhenlin and Hu Yunfeng*
- Chapter 14 Preliminary Survey of the Social Organization of *Rhinopithecus [Rhinopithecus] roxellana* in Shennongjia National Natural Reserve, Hubei, China 269  
*Ren Renmei, Su Yanjie, Yan Kanghui, Li Jinjun, Yin Zhou, Zhu Zhaoquan, Hu Zhenlin and Hu Yunfeng*
- Chapter 15 Time Budgets of the Yunnan Snub-Nosed Monkey (*Rhinopithecus [Rhinopithecus] bieti*) 279  
*Long Yongcheng, R. Craig Kirkpatrick, Xiao Lin and Zhong Tai*

**PART IV Conservation**

- Chapter 16 Primate Conservation in Vietnam 293  
*Lois K. Lippold and Vu Ngoc Thanh*
- Chapter 17 Conservation Status and Prospects of the Snub-nosed Langurs (Colobinae: *Rhinopithecus*) 301  
*Ren Renmei, R. Craig Kirkpatrick, Nina G. Jablonski, William V. Bleisch and Le Xuan Canh*

CONTENTS

xiii

Chapter 18 Conservation of Tonkin Snub-nosed Monkey ( <i>Rhinopithecus [Presbytiscus] avunculus</i> ) in Vietnam <i>Ramesh Boonratana and Le Xuan Canh</i>	315
Chapter 19 Maintenance and Breeding of Yunnan Snub-nosed Monkeys ( <i>Rhinopithecus [Rhinopithecus] bieti</i> ) in Captivity <i>Ji Weizhi, Zou Rujin, Shang Enyuan, Zhou Hongwu, Yang Shangchuan and Tian Baoping</i>	323
APPENDIX Toward a Gazetteer of the Snub-nosed and Douc Langurs <i>R. Craig Kirkpatrick</i>	337
INDEX	373