



**Postgraduate Dissertation Abstracts
1999-2006**

**Institute for Tropical Biology and Conservation
Universiti Malaysia Sabah**

*Edited by
Lam Nye Fan
Maryati Mohamed*

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FOREWORD

“Students come and go.” That’s what people always say, but to us each and every single student who passes by at ITBC remains. They remain as people who build up this Institute. People who aspire with us, people who uphold conservation anywhere they will be, anyone they will become. We are always proud of each and everyone of them. Each has carved his/her own niche in ITBC creating the amazing wonder of research and development here. For everyone of them academic is not the only thing he/she deals with here, they are also trained to participate in all ITBC’s activities be it for science or people or both.

On behalf of the institute I would like to thank each of the postgraduate who has been with us. We hope you have achieved what you aim for in life if not today, tomorrow for life is never a bed of roses. But one thing that everyone could remember is that ITBC is about conservation thus we expect all alumni to uphold the flag for conservation: for environment can exist without men but men cannot exist without environment.

Prof. Datin Dr. Maryati Mohamed
Director of Institute for Tropical Biology and Conservation

PREFACE

Over the years since ITB's inception in 1996, postgraduate teaching and research has been one of the foundation of the Institute. Students from different backgrounds and research interests were convened to ITBC to be specialist for their own chosen future career. In commemoration of the ITBC's 10th year anniversary, postgraduate students are duly acknowledged and honored in terms of their research efforts and endeavors by presenting their work through this book.

This is a compilation of manuscripts abstracts representing the various fields of subjects research postgraduate students under the programme of doctoral and masteral degrees and pursued in terms of full-time research, part-time research and coursework offered postgraduate students in line with the mission of the Institute in conserving and under-standing the Borneo's remaining biodiversity.

There are 35 postgraduate abstracts which consist of 17 in entomology, nine in botany, four in zoology and five in nature tourism. Successfully postgraduates have gained vast experiences in conservation, teaching, defining research methodologies and even administration as part of their work and contribution to the implementation of ITBC's activities.

The editors acknowledge and are grateful for the access and assistance provided by the staff and students of the Institute for tropical Biology and Conservation (i.e. Alona Linatoc, Kelvin Kueh, Noel Tawateo, Gomera Jumat, Wong Mum Keng, Liew Thor Seng) and the Centre for Postgraduate Studies (i. e. Adriano Polkinus, Norjaidah Jaffar, Jesillih Awang, Intan Azirah Abdul Rahman, Chong Tze Chien, Shariffah Rofidah). With out their assistance, this book would lack much of its present contents.

For those who are wishing to know more about their research, copies of thesis are available at the Resource Room of the Institute for Tropical Biology and Conservation, Centre of Postgraduate Studies, and Main Library of Universiti Malaysia Sabah.

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