

Recent Books on Ecology and Environmental Studies - December 2001

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Chemical Prospecting in the Malaysian Forest
Edited by : Ghazally Ismail/Murtedza Mohamed/Laily Bin Din

The Malaysian forest represents the richest of the region's tropical forest but also in serious danger of over exploitation. Its potential as a vast pharmaceutical storehouse has been amply cited by many writers and scientists. The diverse flora it holds offer great abundance of complex biocompounds such as alkaloids, antibiotics, emzymes, hormones and genetic variability that can potentially serve the needs of modern medicine. There is an urgent need at the national level to assess the status of plant-based checmial prospecting research in Malaysia with a view of improving research infrastructural needs and promoting the downstream utilisation of research findings. It is hoped that this book could facilitate such assessment as well as expose the general public to current knowledge and advances in the chemical and bioactivity screening of plants in Malaysia.

Pub : Pelanduk Publications, Malaysia Year : 2001 Bib : 240pp HB ISBN : 9679785416 Price : US\$ 99.00

Sea Turtles of The Indo-Pacific- Research, Management and Conservation

Edited by Nicolas Pilcher & Ghazally Ismail

One of the most up-to-date sources of information on sea turtle projects in the Indo-Pacific region. The chapters contained herein are both informative and useful to scientists, managers, legislators, and for anyone who wants to learn more about sea turtles in the region. It lists in many cases the exact legislation that governs the use or protection of turtle, and provides a fascinating and informative history of the use of trawler excluder devices (TEDS) and the recent WTO trade issues.

Section 1 on Management and conservation contains papers that describe the conservation status and management approaches in a number of Asean and non-Asean nations. Section 2 on Nesting and Foraging Populations describes a number of sea turtle populations in the Indo-Pacific area. Section 3 follows the main theme of the conference, and highlights the fact that many conservation and management approaches are not necessarily beach-based, such as hatcheries and incubators. Section 4 covers research and management on turtle populations before they enter the sea as hatchlings. Section 5 deals with ways in which we may help turtle populations. Section 6 discusses TEDs and the road ahead, a major issue in today's turtle conservation efforts, and particularly after the recent United States/Asia market disputes.

Published in association with the Institute of Biodiversity & Environmental Conservation, Universiti Malaysia Sarawak, Malaysia.

Pub : Asean Academic Press, London Year : 2001 Bib : 22cm 400pp HB ISBN : 1901919226 Price : US\$ 88.00

Crocker Range National Park Sabah- Natural Ecosystem and Species Components (Volume 1)

Edited by Ghazally Ismail and Lamry Ali

The Scientific Journey through Borneo is a series of research expeditions initiated originally by Universiti Kebangsaan Sabah Campus, Sabah Parks and Sabah Wildlife Department in 1988 at Tabin Wildlife Reserve Sabah. This was followed by Tawau Hills Park Sabah (1989), Danum Valley Sabah (1990), Sayap-Kinabalu Park Sabah (1992), Mount Silam and Darvel Bay Sabah (1994), Bario Sarawak (1995) and Crocker Range National Park (1999). The participants in all these expeditions, comprising researchers from a multitude of disciplines, were drawn from universities, research agencies and government departments, both locally and abroad. These expeditions have provided the researchers with the rare opportunities of collecting and collating scientific data on the biological complexity, occurrence, distribution and ecological relations of species found within our tropical ecosystems. Indeed these expeditions have generated voluminous vital information direly needed for effective conservation and management of wildlife reserves and other threatened habitats in Borneo generally.

To effectively manage a magnificent and hugely diverse conservation area such as the Crocker Range National Park (CRNP), relevant new scientific information on its complex ecosystems and species is required. Over the years, much scientific activities carried out within this mountain range have concentrated on the Kinabalu Park, Poring and Sayap but rarely on the Tambunan side of the CRNP, despite its many unique and distinctive features. This book represents a scientific and scholarly output of yet another highly successful expedition as part of the continuing series of Scientific Journey through Borneo lasting for about two weeks in October 1999 at the CRNP. The first volume of this book contains a collection of reports by leading regional experts of flora and fauna based on species collected or observed in the tropical rainforest habitats of the Park. In addition to descriptions of floral and fauna species found within the boundaries of the CRNP, reports on the ecological changes and water quality of the river systems flowing within the Park are also included.

Crocker Range National Park Sabah- Socio-Cultural and Human Dimension (Volume 2)

Edited by Ghazally Ismail and Lamry Ali

When considering biodiversity issues, we must look beyond the natural components of the ecosystem. It calls for a critical look beyond that of its flora and fauna but also the socio-cultural activities that can impact biodiversity either directly from its use and exploitation or indirectly through adverse environmental changes. Hence to some of the researchers who had participated in the Crocker Range Scientific Expedition, the word "biodiversity" signals a cultural phenomenon. There are social and cultural values embedded in biodiversity. For instance, in espousing a people-orientation goal of achieving food security, poverty alleviation and environmental sustainability, we need to understand the germplasm, breeding lines

and varieties of food crops cultivated and consumed by the indigenous communities. Genetic diversity of both plants and animals will ensure that cultural diversity is endured. The cereal and vegetable quality, for example, must match the preferences of a given community, which are truly cultural preferences. In many traditional societies and subsistence farm households, food security is not just a matter of food production but also of investing and maintaining social relations. The second volume of this book also includes reports on the agricultural and land tenure systems of the indigenous communities living within the vicinity of the CRNP; their use and dependence on the diverse natural resources found within the boundaries of the Park and how rapid changes in the socio-cultural norms are affecting the indigenous communities in relation to their disease burden and economic status.

Pub : Asean Academic Press, London Year : 2001 Bib : 2 v 274pp; 198pp ISBN : 1901919315 (Vol.1.) 1901919134x (Vol.2.) Price : US\$ 150.00 (Set)

BIODIVERSITY CONSERVATION IN ASEAN Emerging Issues & Regional Needs

Asean countries today remain the last few parts of the world that are still endowed with vast expanse of luxuriant and biologically diverse tropical ecosystems. However, unprecedented destruction of tropical rainforests, coral reefs and mangroves in the past decades have driven hundreds of living species to extinction.

Though Asean countries are aware of the environmental predicament they are in and the ramifications they are about to face in the 21st century, they must also come to grips with the reality that their environmental agenda, more so than in other parts of the world today, is determined by economics and are constantly pressured to show their growth in the form of bottom lines.

In this book, renowned scientists and policymakers in Asean countries argue each country has taken mindful approaches to addressing their specific and unique environmental and biodiversity conservation issues. They have demonstrated the emergence of a fresh mind-shift in responding to calls and demands for conservation measures and pollution abatement practices at both national and regional levels. Environmental consciousness and remedial measures to effectively stall and reverse the tide of environmental destruction in the region are likely to continue and produce desirable impacts on its economy and quality of life. These approaches are essential part of Asean's collective efforts towards sustainable growth and development.

Editors

Ghazally Ismail and Murtedza Mohamed are professors at the Institute of Biodiversity & Environmental conservation in University Malaysia Sarawak, Malaysia.

Pub : Asean Academic Press, London Year : 1998 Bib : 288pp HB ISBN : 1901919129 Price : US\$ 72.00

Trends in Wildlife Biodiversity Conservation and Management Author :B.B. Hosetti and M. Venkateshwarlu

This book "Trends in Wildlife Biodiversity Conservation and Management" has been edited in two volume, on most important aspects of wildlife. It contain 32 chapters contributed by many eminent scientists, officers and teachers from India and United

Kingdom. Volume 1 contains information on the topics namely: Status of wildlife management in India, Karnataka, Bhadra wild life sanctuary in the Western Ghats, parental care in Asiatic elephants, Territory protection and scent marking in big cats, Child lifting wolves, Medicinal smuggling for tiger bones, Acoustic communication in anurans, Conflicts between man and elephants, Protection strategies for migratory birds, Mugger crocodiles of Dandeli WLS, and Ornamental orchids of India.

The Volume 2 comprises information on Basic concepts of biodiversity, Biodiversity of Drosophila, Ants in the Western Ghats, Biodiversity of hill stream fishes of Srinagar Garhwal-Himalaya, Medicinal plants of Western Ghats, Ecology of endangered Gangatic dolphin, Problems and perspective of avian and vertebrate pest management, Deforestation problems in santhal Pargana, Siberian cranes, Bird census methods and Role of Zoo's National Parks and Sanctuaries in the conservation and management of wildlife in India

Pub : Daya Publishing House, New Delhi Year : 2001 Bib : 2vols 668p.
ISBN : 8170352584 Price : US\$ 45.00 (Set)

Contents: Vol. I: Foreword. Preface. 1. Status of wildlife management in India: an overview/B.B. Hosetti and Gina Caplen. 2. Wildlife management in Karnataka: an appraisal/M. Venkateshwarlu. 3. Conservation and management of wildlife in Bhadra Wildlife Sanctuary, Karnataka/Gina Caplen and S. Frost. 4. Captive breeding of asian elephants (*Elephas maximus*): the importance of producing socially competent animals/Paul A. Rees. 5. Scent marking by big cats: chemical communication and eco-ethological implications/R.L. Brahmachari. 6. Child-lifting wolves in India: a strategy for their Management and control/Kishan Singh Rajpurohit. 7. Prospects and perspectives of project tiger in India/B.B. Hosetti and B.C. Somanath. 8. Acoustic communication in Indian Anurans/Ravishankar D. Kanamadi. 9. Conflicts between man and elephants/B.B. Hosetti. 10. Conservation and management strategy for the water fowls of minor irrigation tank habitats and their importance as Stopover sites in Dharwad district/J.C. Uttangi. 11. The re-introduction of the wolf (*Canis lupus*) and the beaver (*Castor fiber*) into Scotland/Arjuna Korale and Stan Frost. 12. Ecology of Marsh crocodile *Crocodylus palustris* in the Kali River of Western Ghat, Dandeli, Karnataka/S. Basavarajappa. 13. Eco-biology of weaver bird *Ploceus philippinus* in the Western Ghat Area of B.R. Project/K.L. Naik and B.B. Hosetti. 14. Eco-ornithological studies on Gudavi bird Sanctuary Shimoga, Karnataka/B.B. Hosetti, B.C. Somanath and K.L. Naik. 15. Eco-biology of a pentatomid bug *Cyclopelta cissifolia* W./B.B. Hosetti and A. Naveed. 16. Ecology and wildlife status of orchids/Sulabha Phatak. Index.

Vol. II: 17. Biodiversity : an introduction/N.A. Arvind and Dinesh Rao. 18. Biodiversity and conservation of ants: an overview/T.M. Musthak Ali and A.K. Chakravarthy. 19. Biodiversity of Drosophila of South India/S.N. Hegde, V. Vasudev and M.S. Krishna. 20. Biodiversity in hillstream fishes of Garhwal Himalaya : their food and feeding behaviour/N. Singh and R. Subbaraj. 21. Biodiversity of threatened species of medicinal plants in India : an appraisal/P.E. Rajasekharan. 22. Ethological studies of Dolphin (*Platinista gangaitica*) with reference to conservation strategies/Arvind Kumar and A.K. Singh. 23. Impact of deforestation on wildlife resources and their conservation in Santal Pargana of Jharkhand Pradesh/P.K. Verma and Arvind Kumar. 24. Vertebrate pest management in Karnataka/A.K. Chakravarthy. 25. Shifting cultivation (Jhooming) and wildlife conservation: a case study from North-East India/A.K. Gupta. 26. Bird depredation and management in Karnataka/A.K. Chakravarthy. 27. Dooming Mandagadde bird Sanctuary (MBS)

Karnataka/M. Venkaeshwarlu and D.C. Savita. 28. The conflicts between man and birds/B.B. Hosetti and M.B. Nadoni. 29. Siberian crane : whether it will survive in the next century?/B.H. Bhaghya. 30. Bird counting methods/D.S. Sunil. 31. Glimpses of earthworm bioresources of India/G. Tripathi and Poonam Bhardwaj. 32. Role of Indian zoos, national parks and sanctuaries for conservation of some wild mammals/A. Chakrabarthy, G.R. Saha and A.K. Panigrahi. Index.

Environment 2001 : A Global Challenge

edited by Ramesh Mathur, Sanjay Sharma and Asha Mathur

Pub : CBS Publishers, New Delhi Year : 2002 Bib : xii, 234pp ISBN : 8123907869
Price : US\$ 45.00

Contents: Preface. 1. Biological maintenance of soil fertility in the Himalayas/E. Sharma. 2. In vitro reactions of alveolar macrophages and bronchial epithelial cells to NO₂ exposure/Arnulf Seidel. 3. Performance assessment and its role in radioactive waste disposal – a perspective/P. Sasidhar. 4. Utilization of solar energy in agriculture sector/D. R. Bongirwar. 5. Water and airborne infections and their control/K. S. Manja. 6. Role of agroforestry in conservation of degraded environment/K. S. Bhatia. 7. Mining and mineral processing wastes in Indian base metal mines and their environmental management/K. L. Rai. 8. Survey of acid rains in the Venice region (Italy)/Francesco Zilio Grandi & Ing. L. Szpyrkowicz. 9. Conservation of the desert environment/Ishwar Prakash. 10. The Ganges river dolphin/R. K. Sinha. 11. Environmental implications of new past management concepts : trends and policies in the new century/R. N. Sharma. 12. Sustainable development : concept and achievement in India/G. S. Roonwal. 13. Impact of urbanization on climate and air quality – a case study of Delhi/B. Padmanabhamurty. 14. Problem of oil pollution in the Indian Ocean – an overview/Parvin Farschi. 15. Molecular mechanisms in mercury detoxification in bacteria/Arif Ali. 16. Environmental degradation in Indian rivers : a biological perspective/V. V. Sugunan & G. K. Vinci. 17. Survival of larger mammals in the Thar desert/P. L. Kankane. 18. Engineered timber housing – an infrastructure need for socio-environmental upgradation of rural India/Utpal Mishra. 19. Quality assessment of groundwater sources adjoining sewage channel in Gwalior/Sanjay Sharma, R. Mathur & Asha Mathur.

Primer on Environment Management

Author :P. Khanna

Pub :Multi-tech Publishing, Mumbai Year : 2001 Bib: ix, 317 p. ISBN : 8187070137
Price : US\$ 15.00

Contents: 1. Foreword/V. K. Krishna Iyer. Preface. 1. Ecology. 2. Sustainable development. 3. Business dimensions of sustainable development. 4. Environment management instruments. 5. ISO 14000 series of standards. 6. Epilogue. Appendix. References.

Hand book of methods in Environmental studies (Vol:1 : Water and Wastewater Analysis)

Author : S.K.Maiti

This book for laboratory analysis undergraduate and postgraduate students, researchers and others involved in the analysis of water and wastewater. Methodological discussions on each experiment is preceded by a synoptic review of national and international standards and environmental significance. Attempts have been made to clearly present the principles precautions apparatus and glassware required, reagent preparation procedures of conducting experiments and calculations. At the end of each experiment questions along with numericals related to the experiment performed have also been given as self-check to gain confidence. Much useful information pertaining to the chemicals and glassware required for analysis, interconversion of units, preparation and characteristics of acids, alkalies and indicator solutions, and detailed drinking water standards is given in appendices, the book is comprised of the following chapters.

Pub: ABD Publishers, Jaipur Year : 2001 ISBN : 8185771340 (Hb)
Bib : 24cm, 307pp, Includes Index
Price : US\$ 16.75

Hirsch, Phillip (editor).
SEEING FORESTS FOR THE TREES: Environment and environmentalism in Thailand.

This book examines various modes of response to environmental degradation in Thailand in order to show how comprehensively environmentalism has become woven into the country's social, political and economic fabric.

Pub : Silkworm Books, Chiang Mai, Thailand Year : 1997 Bib : 304pp ISBN : 9743900071 Price : US\$ 33.00
Price: \$33.00

State of Environment
Report for Delhi : 2001

Prepared for the Department of Environment, Government of National Capital Territory of Delhi

Pub : Tata Energy Research Institute, New Delhi Year : 2001 Bib : 30cm PB vii, 100pp figs. Tables Price : US\$ 10.00
