



The Association
for Tropical
Biology and
Conservation

“Averting biodiversity meltdown in the Asian tropics”

Inaugural conference of the Asian Chapter of the Association for Tropical Biology and Conservation

Temple Bay Hotel, Mahabalipuram, India 6-8th March 2007

Inaugural Programme

Welcome

Dr. Priya DAVIDAR

Professor, Pondicherry University

Homage to the Guests

Dr. Jean-Pierre MULLER

Director, French Institute of Pondicherry

Introduction to ATBC

Dr. William LAURANCE

President, ATBC, Senior Scientist, Smithsonian Tropical Research Institute

Introduction to the Asian Chapter

Dr. Jin CHEN,

Director, Xishuangbanna Botanical Garden, Chairperson, Asian Chapter

Inaugural Address

“Of fishes, river and poison”

Prof. Madhav GADGIL

Indian Institute of Science, Bangalore, India

Address of the Chief Guest

“Asia’s tropics are the most intensively used: contrasting conservation challenges between South and East”

Dr. Peter ASHTON

Arnold Arboretum, Harvard University, USA

Vote of Thanks

Dr. Rhett HARRISON

Secretary, Asian Chapter

Smithsonian Tropical Research Institute

Scientific Program Overview

6th March		
08:00-10:00	Registration	Lobby
10:30-12:00	Inauguration	Conference Hall
	Speech by Dr. Peter S. Ashton	
	Speech by Dr. Madhav Gadgil	
12:00-13:00	1st Plenary session	Conference Hall
	Keynote address: 'Action for the biodiversity crisis in the Asian tropics' by Dr. Jin Chen	
	Keynote address: 'What's special about Asian tropical forests?' by Dr. Richard T. Corlett	
14:30-16:50	Symposium # 1: The Asian environmental crisis: What's to be done? Chaired by Dr. William F. Laurance	Lecture Hall 1
14:30-16:50	Symposium # 2: Population and species dynamics: methods and observations Chaired by Dr. Pierre Couteron	Lecture Hall 2
17:00-18:30	Poster session	

7th March		
08:30-09:30	2nd Plenary session	Conference Hall
08:30-09:00	Keynote address: 'Ecosystem service paradoxes: Ecology, economics and everything in between' by Dr. Jaboury Ghazoul	
09:00-09:30	Keynote address: 'Rehabilitation of degraded tropical forest based on secondary succession' by Dr. Shigeo Kobayashi	
10:00-11:40	Symposium # 3: Importance of long-term ecological studies Chaired by Dr. Rhett D. Harrison	Lecture Hall 1
10:00-12:20	Symposium # 4: Endangered ecosystem services Chaired by Dr. Renee M. Borges	Lecture Hall 2
14:00-16:40	Symposium # 5: The role of botanical gardens in species conservation Chaired by Dr. Jin Chen	Lecture Hall 1
14:00-17:20	Symposium # 6: The survival of wild species in human-dominated tropical landscapes Chaired by Dr. Richard T. Corlett	Lecture Hall 2
18:00-20:00	Policy Forum Chaired by Dr. William F. Laurance	Conference Hall

8th March		
08:30-09:30	3rd Plenary session	Conference Hall
08:30-09:00	Keynote address: 'Its a Jungle UP There -- Canopy biology and its interface with education and conservation' by Dr. Margaret Lowman	
09:00-09:30	Keynote address: 'Ecology of invasive plants on Pacific islands' by Dr. Julie S. Denslow	
10:00-12:20	Symposium # 7: Livelihoods and biodiversity Chaired by Dr. Gladwin Joseph & Dr. Nitin Rai	Lecture Hall 1
10:00-12:20	Symposium # 8: Western Ghats biodiversity hotspot Chaired by Dr. Ranjit Daniels	Lecture Hall 2
14:00-17:20	Symposium # 9: Networking across plots in Asia Chaired by Dr. Peter S. Ashton	Lecture Hall 1
14:00-16:40	Symposium # 10: Species and their habitats Chaired by Dr. Shoko Sakai	Lecture Hall 2

Symposia

	Symposium # 1 Chaired by Dr William F. Laurance	The Asian environmental crisis: What's to be done?
14:30-14:50	Kartikasari, S.N , Rixecker, S., Espiner, S.R, and Colfer, C.J.P	“Paper Park” and the “Empty Forest Syndrome”: Challenges in conserving biodiversity in Gorontalo, Indonesia
14:50- 15:10	Charles H. Cannon, Marcy Summers, John R. Harting and Paul J.A. Kessler	Forest cover, status, and conservation priorities in a poorly known ecoregion: Sulawesi, Indonesia
15:10-15:30	David P. Bickford, Jatna Supriatna, Noviar andayani, Djoko Iskandar, Ben J. Evans, Rafe M. Brown, Ted Townsend, Umilaela, Deidy Azhari, and Jim McGuire.	Indonesia’s protected areas need more protection – suggestions from island examples
15:30-15:50	<i>Coffee break</i>	
15:50-16:10	Rhett D. Harrison	Precipitous decline of wildlife in the plant’s most diverse forest: Where are our priorities?
16:10-16:30	Milagros P. Sucaldito and Olga M. Nuñez	Distribution and Conservation of Birds in Agusan Marsh, Philippines
16:30-16:50	Mary Rose C. Posa, Arvin C. Diesmos, Navjot S. Sodhi , Thomas M. Brooks and Danilo S. Balete	Optimistic perspectives for threatened tropical biodiversity: Lessons from the Philippines

	Symposium #2 Chaired by Dr. Pierre Couteron	Population and species dynamics: methods and observations
14:30-14:50	Daniel Auclair and Sébastien Griffon	Using plant simulations and landscape models for policy- making
14:50-15 :10	Grégoire Vincent, Degi Harja Asmara, Raphaël Pélissier, Cécile Madelaine	A spatially-explicit individual-based forest simulator: application to agro-forests of Sumatra and to Indian evergreen forests
15:10-15:30	George A. Gale, Andrew J. Pierce, Philip D. Round, and Somchai Nimnuan	A field test of variable width line transect sampling in an evergreen tropical forest bird community
15:30-15:50	<i>Coffee break</i>	
15:50-16:00	Cédric Gaucherel, M. Balasubramanian, P.V. Karunakaran, and B.R.Ramesh	Multi-scale and surface patterns analysis: application to the relationship between forest pattern and distributions of large herbivores.
16:10-16:30	Vijayalaxmi Kinhal and N. Parthasarathy	Influence of environmental heterogeneity on the dispersion and population structure of an endemic and dioecious palm <i>Phoenix pusilla</i> , India
16:30-16:50	Amit Kurien	Beyond village relocation - Response of tiger (<i>Panthera tigris</i>), prey species and their habitat in Rajaji National Park, India
	Symposium # 3 Chaired by Dr Rhett D. Harrison	Importance of long-term ecological studies
10:00-10:20	Charles H. Cannon, Andrew Marshall, Lisa M. Curran and Mark Leighton	Reproductive behavior of Bornean rainforest tree and liana communities across seven major forest types: a long term perspective
10:20-10:40	Shoko Sakai	General flowering and plant- animal interactions in Lambir Hills National Park, Malaysia
10:40-11:00	Andrew J. Pierce	Nest success and predation of understorey nesting birds at Khao Yai National Park, Thailand
11:00-11:20	Andrew L. Mack	Seasonality of molt and breeding of understorey birds in a high rainfall rainforest of Papua New Guinea

11:20-11:40	Stephen M. Turton	Tropical cyclones, forest disturbance and climate change. What are the long-term ecological implications for tropical forests in the cyclone belt?
-------------	-------------------	--

Symposium #4 Chaired by Dr Renee M. Borges		Endangered ecosystem services
10:00-10:20	P. Thiruchenthil Nathan, H. Raghuram and G. Marimuthu	Pollination of cauliflorous <i>Crescentia cujete</i> and flagelliflorous <i>Kigelia pinnata</i> by the Indian short-nosed fruit bat <i>Cynopterus sphinx</i>
10:20-10:40	Priya Davidar, K. Geetha Nayak, Sashmita Das Mohapatra and D. Mohandass	Disrupted ecosystem services in the tropical dry evergreen forests of the Pondicherry region
10:40-11:00	Sinu P.A. and K. R. Shivanna	Pollination ecology of the economically important large cardamom, <i>Amomum subulatum</i> , in the Eastern Himalaya of India
11:00-11:20	Aparajita Datta	Hornbills, nutmegs and rats: endangered interactions in a tropical forest in Arunachal Pradesh, north-east India
11:20-11:40	Vibhu Prakash	Ecological impact of the catastrophic crash in the Gyps vulture populations in India
11:40-12:00	Claude A. Garcia, Shonil A. Bhagwat, Cheppudira G. Kushalappa, and Nanaya N. Konerira	Livelihoods, vanishing ecosystem services and coping strategies: examples from South Asia
12:00-12:20	Renee M. Borges	The sacred in forests, trees and seeds: boon or bane of ecosystem services?

Symposium # 5 Chaired by Dr Jin Chen		Role of botanical gardens in species conservation
14:00-14:20	Bian Tan	Global strategy for plant conservation and networking efforts among SE Asian botanic gardens
14:20-14:40	Irawati	Botanical gardens and plant conservation in Indonesia
14:40-15:00	N. Mohanan	<i>Ex-situ</i> conservation, the success story from Tropical Botanic Garden and Research Institute

15:00-15:20	Sein Tuck Chiu	Public education in botanical gardens – facilitating connections
15:20-15:40	<i>Coffee break</i>	
15:40-16:00	Huabin Hu, Chunyan Fang, and Jin Chen	Conservation research in classic botanical gardens: the case of XTBG, China
16:00-16:20	Paul Blanchflower and Joss Brooks	The Restoration of the Tropical Dry Evergreen Forest ecologically and socially
16:20-16:40	Sarvepalli Badari Narayan	Conservation of some of the important Himalayan Medicinal Plants

	Symposium #6 Chaired by Dr Richard T. Corlett	The survival of wild species in human-dominated tropical landscapes
14:00-14:20	Keith Hamer, Jane Hill, and Susan Benedick	Conservation of rain forest biota in human-dominated landscapes: multiple questions of scale
14:20-14:40	Miriam Goosem	Can rainforest roads contribute to loss of biodiversity?
14:40-15:00	Catherine L. Pohlman, Miriam Goosem and Stephen M. Turton	Is cyclone damage greater near the edges of roads, powerlines and streams than in the interior of tropical rainforest?
15:00-15:20	Tommaso Savini, Marie-Claude Huynen, Alice Latinne, and H�el�ene Bernard	Preliminary data on the socioecology of semi-habituated pigtailed macaque (<i>Macaca nemestrina</i>) in Khao Yai National Park, Thailand
15:20-15:40	<i>Coffee break</i>	
15:40-16:00	J. Schmerbeck and Ankila Hiremath	Can the integration of fire in the toolbox of forest managers help to enhance (conserve?) the biodiversity in India’s forests?
16:00-16:20	Lian Pin Koh and David S. Wilcove	Can Bornean oil palm plantations be made more hospitable for biodiversity?
16:20-16:40	Jignasu Dolia	Biodiversity in human dominated landscapes – a case of butterflies in coffee plantations in the Western Ghats, Southern India.
16:40-17:00	Archana Bali	Ecological and human factors affecting mammal conservation in the human dominated landscapes.
17:00-17:20	Kanehiro Kitayama	The role of production forests in conserving biodiversity in Borneo

	Symposium # 7 Chaired by Dr. Gladwin Joseph and Dr. Nitin Rai	Livelihoods and biodiversity
10:00-10:20	Nitin Rai, Siddharth Krishnan, Bansuri Taneja, Siddappa Setty, A. Kavitha, Ramesh Kannan, Samuel Thomas and Gladwin Joseph	Evolving a participatory framework for reconciling conservation and livelihoods
10:20-10:40	Imam Basuki and Meilinda Wan	Perception and motivation of Vietnamese ethnic people and biodiversity conservation on the edge of a nature reserve
10:40-11:00	Sanjay Gubbi and Dr Douglas MacMillan	Is non-timber forest produce the way forward?
11:00-11:20	Lucy Rist	Sustainability of a non-timber forest product: Implications of mistletoe infection for the Indian gooseberry
11:20-11:40	Shimona Quazi	Impacts of growing betel leaf in and around national parks in Bangladesh, and possibilities for improved buffer zone management
11:40-12:00	Tara Gandhi	Biodiversity and livelihood related work of M.S. Swaminathan Research Foundation
12:00-12:20	Parthiba Basu and Anshuman Das	Agri-Biodiversity erosion in post Green Revolution era : a restorative effort across different agro-ecological regions of India

	Symposium # 8 Chaired by Dr. Ranjit Daniels	Western Ghats and Sri Lanka biodiversity hotspot
10:00-10:20	G. Vasanthy, J.P. Puyravaud, A. Mariotti and S. Prasad	Vegetation dynamics of montane savanna ecosystem in the Western Ghats (Nilgiris - Sandynallah): Stable Carbon Ratios corroborated by Pollen Analyses
10:20-10:40	K.A.Subramanian	Habitat distribution and conservation of Dragonflies and Damselflies (Insecta:Odonata) of the Western Ghats, India

10:40-11:00	B.R. Ramesh and P.V. Karunakarn	Endemic biodiversity and the protected area system in the Western Ghats, India
11:00-11:20	A.E. Dulip Daniels	Diversity and distribution of Bryophytes in the southern Western Ghats, India
11:20-11:40	Nimal Gunatilleke and Savitri Gunatilleke	Plant Geography and Conservation of the South-Western Hill Forests of Sri Lanka
11:40-12:00	Lalitha Vijayan	Endemic and endangered birds of the Western Ghats
12:00-12:20	N.R. Gunawardene, J. D. Majer, and J. P. Edirisinghe	Investigating ant assemblages in old logged forest, disturbed and undisturbed unlogged forest in the Sinharaja Man and Biosphere Reserve, Sri Lanka

	Symposium # 9 Chaired by Dr Peter S. Ashton	Networking across plots in Asia
14:00-14:20	Ma. Dolores C. Tongco, Daniel A. Lagunzad, Leonardo L. Co, Kyle E. Harms, Richard Condit and Pamela Hall	Habitat associations of trees in a 16-hectare permanent plot in Palanan, Isabela, Philippines
14:20-14:40	J Grove, D F R P Burslem, I A U N Gunatilleke, and P E Hulme	Evolutionary ecology of Shorea section Doona (Dipterocarpaceae) reproduction in Sinharaja World Heritage Site, Sri Lanka
14:40-15:00	Cheryl D Nath, H S Dattaraja, H S Suresh, and R Sukumar	Tree growth and environmental factors at two large tropical forest plots
15:00-15:20	D. Mohandass and Priya Davidar	Tree diversity and assemblage structure in montane sholas forests of the Nilgiris, India
15:20-15:40	<i>Coffee break</i>	
15:40-16:00	M. Rajkumar and N. Parthasarathy	Island Biodiversity and Monitoring: Tree diversity and dynamics of Giant Andaman Evergreen Forests
16:00-16:20	Soumya Prasad and R. Sukumar	Factors influencing fruit removal of an economically valuable tree in the dry tropical forests of Mudumalai, south India

16:20-16:40	I-Fang Sun, Yu-Yun Chen, Stephen P. Hubbell, S. Joseph Wright, and Nur Supardi Md. Noor	Seed predation during general flowering events of varying magnitude in a Malaysian rain forest
16:40-17:00	Abd Rahman K., Nur Supardi M.N. and Adzmi Y.	Indicator Species within Lowland Dipterocarp Forest of Pasoh 50 ha Demography Plot.
17:00-17:20	Chanpen Wongsriphuek and Warren Brockelman	Seed dispersal and seedling recruitment of lianas in Mo Singto Biodiversity Research Plot, Khao Yai National Park

	Symposium # 10 Chaired by Dr Shoko Sakai	Species and their habitats
14:00-14:20	Zhu Hua	The vegetation of Yunnan, Southern China
14:20-14:40	Vijay Palavai and Priya Davidar	Stream fishes of South Andamans: species richness, spatial distribution and habitat association
14:40-15:00	Khairul Adha, A. R, Siti Khalijah, D., Siti Shapor, S., Aziz, A. and Yuzine, E.	Non-native fish species distribution and their impact on the native fish species of Malaysia
15:00-15:20	R.K. Kohli, D.R. Batish, H.P.Singh and K.S. Dogra	Ecological status of the invasive weed <i>Ageratum conyzoides</i> in the hilly state of Himachal Pradesh
15:20-15:40	<i>Coffee break</i>	
15:40-16:00	Mohamed Zakaria Hussin and Rasul Mat Dain	Relative abundance of colonizing bird species (<i>Arachnothera longirostra</i>), based on distance from the forest edge
16:00-16:20	Hari Sridhar	Mixed-species bird flocks in rainforest fragments: species pool, habitat structure and area effects.
16:20-16:40	Karthikeyan Vasudevan, Ajith Kumar, Barry R. Noon and Ravi Chellam	Patterns in density and diversity of anurans in a fragmented rainforest landscape in the Western Ghats, India

Poster Presentations

Rhett D. Harrison	A graduate field biology course program in Asia
Madelaine C., Pélissier R., Pascal J.-P., Ramesh B.R., Aravajy S., Ramalingam S., and Couteron P.	Long-term monitoring of the dynamics of a primary evergreen forest in the Western Ghats of India: results and prospects
G. Vasanthi and P. Grard	Pollen Identification Multimedia Software: Palyno-diversity linked plant taxa determination for Palaeoecological research
B.R. Ramesh, N. Ayyappan, D. Balasubramanian, and P. Grard	The BIOTIK project: building a computer-aided identification software for the evergreen tree species of the Western Ghats of India.
Anupama, K. and Stephen, A.	Plant Functional Types and Plant trait measurements in the Eastern Ghats
Jahnvi Joshi and Neelesh Dahanukar	Diversity, distribution and systematics of centipedes (Chilopoda: Scolopendromorpha) in Pune Region, North-western Ghats, India.
Shuli Wang and Qiaoming Li	Discussion on correlations between population genetic diversity of <i>Bombax ceiba</i> and its adaptability to dry-hot valleys in Yunnan
Pankaj Sekhsaria	Andaman's tribal reserves: Protecting forests, biodiversity and indigenous peoples
Surajit Das, P. S. Lyla and S. Ajmal Khan	Estimation and conservation of marine microbial biodiversity: A perspective
Serapion N. Tanduyan, Ricardo B. Gonzaga and Virginia D. Bensig	Off bottom culture of <i>Caulerpa lentillifera</i> Agardh in three different water levels in three different sites using different culture media in the marine waters of San Francisco, Cebu, Philippines
Serapion N. Tanduyan, Ponciano C. Bontia, Rosalyn Pascual-Opiniano, Rachel Luz Vivas-Rica, Ricardo B. Gonzaga, Virginia D. Bensig and Hemres M. Albuero	Faunal inventory in the mangrove areas for the three islands of Camotes
Min-Yi Hsu, Yeong-Choy Kam, and Gary M. Fellers	Temporal organization of an anuran acoustic community in a Taiwanese subtropical forest
Charles H. Cannon and Andrew B.G. Bush	The current refugial rainforests of Southeast Asia: major implications for ecology, evolution and conservation

Inoka Manori Ambagahaduwa, Kanistha Husjumnong, Rhett D. Harrison, C. V. Savi Gunatilleke, and I. A. U. Nimal Gunatilleke	Role of habitat and diversity in determining the susceptibility of primary forest to invasion by <i>Clidemia hirta</i> (L.) D. Don
Chi-Shiun Wu and Yeong-Choy Kam	Salinity effects on the growth, development and metamorphic traits of <i>Rana limnocharis</i> tadpoles living in brackish water and freshwater in Taiwan
Vandana Krishnamurthy, Priya Davidar and Anita Varghese	Impact of harvesting on the regeneration of <i>Cycas circinalis</i> (Cycadaceae) in the Nilgiri biosphere reserve, Southern India
Apar Paudyal	Does buffer zone buffer?
Dinesh Neupane	How critical are forests within the buffer zone?
John R. Harting and Charles H. Cannon	A model for determining future conservation risks and priorities in Sulawesi, Indonesia.
Bharath Sundaram and Ankila J. Hiremath,	Fire, grazing, and forest regeneration in a dry forest: implications for restoration.
Medhavi Tadwalkar, Neelesh Dahanukar, Sujoy Chaudhuri and Ankur Patwardhan	A birds-eye-view for management of biodiversity: A case study from Western Ghats of India
Sinu P. Alles	Sustainability of leaf litter harvesting operations of community-managed forests of Western Ghats, India