

**WHERE RESEARCHERS, POLICY MAKERS AND INDUSTRY MEET**

## **International Forestry and Environment Symposium 2006**

**22<sup>nd</sup> – 23<sup>rd</sup> December 2006**

At

***Villa Ocean View – Wadduwa***

Organised by

**Department of Forestry and Environmental Science  
University of Sri Jayewardenepura, Sri Lanka**

**Theme – Managing Natural Resources Towards  
Sustainable Development**

Sponsored by



### **Tentative Programme**

**Day 1 - Friday the 22<sup>nd</sup> of December 2006**

**08:00 am Registration of Participants**

**09:00 am TEA**

**INAUGURAL SESSION – Hall A**

<b>Time</b>	<b>Chairman: Prof. Naradha Warnasooriya, Vice Chancellor, University of Sri Jayewardenepura, Sri Lanka</b>
<b>09:25 am</b>	Lighting the Traditional Oil Lamp
<b>09:30 am</b>	Welcome Address By <b>Dr. Hiran Amarasekara</b> Head of the Department Department of Forestry & Environmental Science University of Sri Jayewardenepura
<b>09:35 am</b>	Address By <b>Prof. Naradha Warnasooriya</b> Vice Chancellor University of Sri Jayewardenepura
<b>09:40 am</b>	Address By <b>Prof. Ajith Abeyasekara</b> Dean, Faculty of Applied Sciences University of Sri Jayewardenepura
<b>09:45 am</b>	Address By Chief Guest Minister <b>Rohitha Bogollagama</b> Ministry of Enterprise development and Investment Promotions
<b>09:55 am</b>	Address by <b>Mr. Sarath Wickramasinghe</b> Additional Secretary Ministry of Environment
<b>10:00 am</b>	Vote of Thanks By <b>Dr. Prashanthi Gunawardene</b> Coordinator, Symposium Organising Committee 2006 Department of Forestry & Environmental Science University of Sri Jayewardenepura

## Parallel Sessions

Hall A	Hall B	Hall C
<b>Day 1 - Friday the 22<sup>nd</sup> of December 2006</b>		
<b>INAUGURAL SESSION</b>		
<b>SESSION I - Forest Resource Utilisation and Sustainable Management</b>	<b>SESSION IV – Sustainable Management of Natural Resources 1</b>	<b>SESSION VII – Waste Management and Pollution Control</b>
<b>SESSION II – Management of Plantation Resources</b>	<b>SESSION V – Sustainable Management of Natural Resources 2</b>	<b>SESSION VIII – Water Pollution Control</b>
<b>Session III – Sustainable Agro-forestry Systems</b>	<b>SESSION VI – Biotechnology and Biological Control</b>	<b>SESSION IX – Waste Utilization</b>
<b>Day 2 – Saturday the 23<sup>rd</sup> of December 2006</b>		
<b>SESSION X – Valuation of Natural Resource and Pollution 1</b>	<b>Session XII – Post-Tsunami Rehabilitation 1</b>	<b>SESSION XIV – Bio-diversity Conservation and Management 1</b>
<b>SESSION X – Valuation of Natural Resource and Pollution 2</b>	<b>Session XII – Post-Tsunami Rehabilitation 2</b>	<b>SESSION XIV – Bio-diversity Conservation and Management 2</b>
<b>Session XI – Renewable Energy Resource</b>	<b>Session XIII – Sociological, Legal and Institutional Aspects of Sustainable Development</b>	<b>SESSION XIV – Bio-diversity Conservation and Management 3</b>
<b>CONCLUDING SESSION</b>		

## TECHNICAL SESSIONS

Hall A	22 Dec	<b>SESSION I - Forest Resource Utilisation and Sustainable Management</b> Chairman: Mr. Sarath Wickramasinghe, Additional Secretary, Ministry of Environment, Sri Lanka	
01	10:05 am	Construction of a growth model to predict the individual stem volume of <i>Tectona grandis</i> L.f. (teak) in Sri Lanka	S M C U P Subasinghe
02	10:20 am	Estimation of change of taper with age for <i>Tectona grandis</i> L. f. (Teak)	M A Nafees S M C U P Subasinghe
03	10:35 am	Predicting the optimal rotation length of Teak plantations using a simulation model	L H P Gunaratne T N Subramanium
04	10:50 am	Investigation of ergonomic parameters of easy chairs in Moratuwa furniture manufacturing establishments	S A L P Silva H S Amarasekera
05	11:05 am	Estimation of above ground biomass of forest trees using dbh as a single parameter	I D Welivita, S M C U P Subasinghe.
06	11:20 am	An assessment of vegetation and canopy structure of moderately exploited natural forest area in Yagirala forest reserve	W M P S B Wahala, W A J M De Costa D M S H K Ranasinghe
07	11:35 am	Status of furniture industry in Colombo and Kalutara districts with special reference to the impact of MDF factory on rubberwood supply	N Fernando H S Amarasekera
	11:40 am	<b>DISCUSSION</b>	

12:15 pm      LUNCH

<b>Hall A</b>	<b>1.30: pm</b>	<b>Theme Talk on Forest Resources Utilisation and Policy Implications</b> <b>Mr. H M Bandarathilake, Project Director, Forest Resources Management Project.</b>	
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<b>Hall A</b>	<b>22 Dec</b>	<b>SESSION II – Management of Plantation Resources</b> <b>Chairman: Mr. H M Bandarathilake, Project Director, Forest Resources Management Project, Sri Lanka</b>	
<b>01</b>	<b>01:50 pm</b>	Species diversity and forage value of herbage in a neglected coconut land proposed for livestock integration	L Kumanayaka, T Seresinhe, M de S Liyanage, I Pathirana.
<b>02</b>	<b>02:05 pm</b>	A study on palmyrah ( <i>Borassus flabellifer</i> ) utilization pattern and socio- economic status of dependent livelihood in Mannar district of Sri Lanka	S Arulmageswaran, I M N Chandrasiri, J V Culas.
<b>03</b>	<b>02:20 pm</b>	Effect of free range poultry system on land use efficiency and floral diversity in Rubber plantations	B M D C Balasooriya, V H L Rodrigo, S M M Iqbal D V S de S Gamage
<b>04</b>	<b>02:35 pm</b>	Rubber latex production in <i>Hevea brasiliensis</i> with high density planting	T U K Silva, V H L Rodrigo, S M C U P Subasinghe.
<b>05</b>	<b>02:50 pm</b>	Assessment on timber and carbon in rubber plantations with special reference to the wet zone of Sri Lanka	E S Munasinghe, V H L Rodrigo U A D P Gunawardena
<b>06</b>	<b>03:05 pm</b>	Evaluation of different cover crops on vacant areas (pottal) in mature tea plantation	I R Paliakkara, B G D Udesh, P W D Vithanage
	<b>03:20 pm</b>	<b>DISCUSSION</b>	

03:45 pm - 04:15 pm TEA

<b>Hall A</b>	<b>4.20: pm</b>	<b>Theme talk on Waste management and Pollution Control by Prof. Ajith De Alwis, Head, Department of Chemical and processing, University of Moratuwa</b>	
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<b>Hall A</b>	<b>22 Dec</b>	<b>Session III- Sustainable Agro-forestry Systems</b> <b>Chairman: Mr. Anura Sathurusinghe, Conservator of Forest (Research), Forest Department, Sri Lanka.</b>	
<b>01</b>	<b>04:45 pm</b>	Agro-forestry for sustainable forest management: New approach of Bangladesh	S A Rahman, K M Farhana
<b>02</b>	<b>05:00 pm</b>	Problems and improvement potentials of Kandyan home gardens at Yatinuwara area	K I A Kothalawala, D K N G Pushpakumara, T Sivanthwerl
<b>03</b>	<b>05:15 pm</b>	Agro- forestry system to protect both the Sinharaja forest and the peripheral villages (a case study of the southern part of Sinharaja)	H I G C Kumara
<b>04</b>	<b>05:30 pm</b>	Behavior of cattle in an agro-forestry system	D Senaratna, N S B M Atapattu, W I R Paliakkara, B Piyadigama, C C Senaratne
<b>05</b>	<b>05:45 pm</b>	Design and development of power tiller operated multipurpose whole stick harvester especially for sugarcane	P L A G Alwis , L W S Pemasiri, W S K Rathnayake
<b>06</b>	<b>06:00 pm</b>	Multi-use two wheel tractor operated fertilizer applicator for Coconut cultivation	P L A G Alwis, L W S Pemasiri K P W Lakmal
<b>07</b>	<b>06:15 pm</b>	Formulation of a fertilizer package for hybrid varieties of pumpkin ( <i>Cucurbita maxima</i> )	O P G Pushpakumari, K P D Siriwardhane, R H M K Ratnayake
<b>08</b>	<b>06:30 pm</b>	Drought analysis in relation to crop production: Anuradhapura district	M K N Kumari, C M Navaratne
<b>09</b>	<b>06:45 pm</b>	Role of plants in traditional livestock production	A N F Perera, A N K Perera E R K Perera

10	07:00 pm	Energy saving scoop type rotary tiller blade for deep tillage	C P Rupasinghe H P W Jayasuriya
11	07:05 pm	Sustainability of home gardens in Masemulla forest area in Matara district	M K T K Amarasinghe, I R Palihakkara M de S Liyanage
	07:10 pm	<b>DISCUSSION</b>	

Hall B	22 Dec	<b>SESSION IV – Sustainable Management of Natural Resources 1</b> Chairman: Mr. Thosapala Hewage , Secretary, Ministry of Enterprise Development and Investment Promotions	
01	10:05 am	Sustainable development through proper land utilization Case study: Rathnapura, Sri Lanka	P G R N I Pussella, R M K G S P B Koswatte, R K A Ariyaratne, D S Munasinge, H R S Thilakarathne, T M N Tennakoon.
02	10:20 am	Performance of seedlings of tree borne oilseeds and their response to fertilization in problem soils	R Santhi, M Sathiyadevi, A K Mani.
03	10:35 am	Impact of forest types on soil properties	A K Mani, S Manivasakan R Santhi.
04	10:50 am	Viable approach towards the sustainable utilization of Negombo lagoon	M A M Rijas, A M T P Athauda, P S K Rajapakshe, K G M C P B Gajanayake
05	11:05 am	Domestic water scarcity and rain water harvesting in non-perennial river basins Sri Lanka, Case-study: Maspotha and Ganewaththa villages in Daduru oya basin	C P Herath, F N Gichuki.
06	11:20 am	Impacts of climate change on forests in different climatic zones and their implications on sustainable development	W A J M De Costa
07	11:35 am	Development of decision support system for river basin management – A case study in Nilwala river basin	C P Gunasena, C M Navatratne
	11:50 am	<b>DISCUSSION</b>	

12:15 pm      **LUNCH**

Hall A	1.30: pm	<b>Theme Talk on Forest Resources Utilisation and Policy Implications</b> Mr. H M Bandarathilake, Project Director, Forest Resources Management Project.	
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Hall B	22 Dec	<b>SESSION V – Sustainable Management of Natural Resources 2</b> Chairman: Prof. B M P Singhakumara, Senior Lecturer, Department of Forestry and Environmental Science, University of Sri Jayewardenepura	
08	01:50 pm	Measures for a sustainable lobster fishery	D N Koralagama, O Amarasinghe D S Jayakody
09	02:05 pm	Sustainable management of land resources	A P Pandey
10	02:20 pm	Review of the current status of data and information on environment towards sustainable developments in Sri Lanka	H C Perera
11	02:35 pm	Assessment of soil erosion hazard of Victoria catchment area using GIS as a tool	K P G W Senadeera, S Piyasiri K D W Nandalal
12	02:50 pm	Comparison of litter decomposition rate constant for Yagirala and Horton Plains natural forests of lowland wet zone and montane zone of Sri Lanka	L A M C Amarasekara D M S H K Ranasinghe
13	03:05 pm	Development of a rapid environmental assessment methodology for roads sector rehabilitation projects	A K Hettiarachchi, N J G J Bandara, J M S J Bandara
	03:20 pm	<b>DISCUSSION</b>	

03:45 pm - 04:15 pm TEA

Hall A	4.20: pm	Theme talk on Waste management and Pollution Control by Prof. Ajith De Alwis, Head, Department of Chemical and processing, University of Moratuwa	
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Hall B	22 Dec	SESSION VI: Biotechnology and Biological Control Chairman: Prof. H G Nandadasa, Senior Professor, Department of Botany, University of Sri Jayewardenepura, Sri Lanka	
01	04:45 pm	In vitro shoot tip culture of Red Sandalwood ( <i>Pterocarpus santalinus</i> L.)	P S Warakagoda, D L C Kumari, S Subasinghe
02	05:00 pm	Screening of coconut ( <i>Cocos nusifera</i> L.) for drought tolerance	W G D Lakmini, N P A D Nainanayake W A J M De Costa
03	05:15 pm	Effect of bio control agent <i>Trichoderma</i> ( <i>T. viride</i> and <i>T. konnigii</i> ) on basal rot of <i>Cloropytum comosum</i> 'laxum' caused by <i>Sclerotium rolfsii</i>	K A L Priyadarshani D B Kelaniyangoda
04	05:30 pm	<i>In vitro</i> callus induction of <i>Spilanthes calva</i> DC [ <i>Spilanthes acmella</i> auct. non L.,.] (Maha Akmella)	S Hewage, W T P S K Senarath
05	05:45 pm	Collection, conservation, evaluation and use of durian germplasm at Horana	K H S Peiris
06	06:00 pm	<i>In vitro</i> propagation of <i>Kaempferia galanga</i> (L)	K M R T Wijekoon, W T P S K Senarath
07	05:15 pm	Effect of physiological status on rooting of <i>Masbedda</i> ( <i>Gymnema sylvestre</i> ) cuttings	K K I U Arunakumara, U Wickramasinghe, B C Walpola, S. Subsinghe
08	06:30 pm	Mass propagation of <i>Wesak</i> orchid ( <i>Dendrobium macarthiae</i> ) through <i>in vitro</i> techniques	D L C Kumari, K K S Fernando, S D A Wijesundara
09	06:45 pm	<i>In vitro</i> multiplication of <i>Wthnia somnifera</i> auxiliary buds for mass propagation	P S Warakagoda, D L C Kumari, S Subasinghe
10	07:00pm	Development of new cultivation technology for straw mushroom ( <i>Volvariella volvacea</i> ) using locally available raw materials	A S Nissanka, P Rajapakshe R H M K Ratnayake
11	07:15 pm	Evaluation of <i>Luffa</i> ( <i>Luffa acutangula</i> (L.) Roxb) varieties under low country intermediate zone of Sri Lanka	R M S S Rajapaksha, K P D Siriwardana, R H M K Ratnayake
12	07:30 pm	Exploring natural resources for sustainable management of ecosystems: future challenges for control and management of <i>Xyleborus fornicatus</i> eichh. (Coleoptera: Scolytidae), the shot-hole borer of tea in Sri Lanka	R S Walgama, P Senanayake, C De Seram
	07:45 pm	<b>DISCUSSION</b>	

Hall C	22 Dec	SESSION VII –Water Pollution Control Chairman: Mr. K H Muthukudaarachchi, Director, Pollution control unit, Central Environmental Authority, Sri Lanka	
01	10:05 am	Adsorption kinetics of sugarcane bagasse for selective removal of Cr (VI) and Cu (II) from aqueous solutions	N Prapurna M Viswanatham
02	10:20 am	Heavy metals in substrates of a freshwater wetland at Kelaniya	K G S Nirbadha, J A Liyanage M D Amarasinghe
03	10:35 am	Assessment of the impact of diuron to water bodies in the Walawa area	R C Watawala, J A Liyanage A P Mallawatantri
04	10:50 am	Environmental impacts on waste and water disposal from abattoirs and poultry processing units in Weligama area	N D C Sirisena, P A B S Baduwasam, R A U J Marapana, T Seresinhe
05	11:05 am	Colour removal and its mechanisms in textile wastewater treatment by UASB reactor system with anaerobic granular sludge	W Somasiri, Li Xiufen, Wenquan Ruan, Jian Chen

06	11:20 am	Status of heavy metal pollution in the Lunawa lagoon	W R M N K Wickramasinghe, P N Dayawansa, M D P de Costa
07	11:35 am	Effects of some water quality parameters and some heavy metals on osmoregulation of <i>Oreochromis mossambicus</i> in Bolgoda lake	K W M Irodanie, A G D H Senevitathne
08	11:50	Bioremediation for water purification - A case study at St. Coombs Lake, Talawakelle	P G D S Amarasena, K M Mohotti, G Hitinayake
	12:05	<b>DISCUSSION</b>	

12:15 pm LUNCH

Hall A	1.30: pm	<b>Theme Talk on Forest Resources Utilisation and Policy Implications Mr. H M Bandarathilake, Project Director, Forest Resources Management Project.</b>	
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Hall C	22 Dec	<b>SESSION VIII – Waste Management and Pollution Control</b> Chairman: Prof. Ajith De Alwis, Head, Department of Chemical and processing, University of Moratuwa, Sri Lanka	
01	01:50 pm		
02	02:05 pm	Investigation of trace metals in air particulate matter collected from Colombo	A D T Liyanage, K G S Jayawardana, R N R Jayaratne, C K Amaratunga K R R Mahanama
03	02:20 pm	Factors governing an integrated solid waste management program: A case study at Nuwara-Eliya district secretariat division	A G Amarananda N J G J Banadara
04	02:35 pm	Lichens as biomonitors of sulphur dioxide and nitrogen dioxide pollution in Colombo and suburbs	A M N P Attanayaka S C Wijeyaratne
05	02:50 pm	Emission factors for selected PAHs and carbonyl compounds from locally available mosquito coils and joss stick brands	L C Kalutarage K R R Mahanama
06	03:05 pm	Low cost eco-friendly polyethylene film for packaging of wheat flour	S Liyanage A A R Amarasinghe
07	03:20 pm	Eutrophication and poultry industry: Issues, challenges and opportunities	N S B M Atapattu
08	03:35 pm	Evaluation of pesticide impact rating index (PIRI) model as a pesticide risk indicator	A G P Aravinna, A M Mubarak, J A Liyanage, S Liyanage S Wickramaratne
	03:40 pm	<b>DISCUSSION</b>	

03:45 pm - 04:15 pm TEA

Hall A	4.20: pm	<b>Theme talk on Waste management and Pollution Control by Prof. Ajith De Alwis, Head, Department of Chemical and processing, University of Moratuwa</b>	
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Hall C	22 Dec	<b>SESSION IX – Waste Utilization</b> Chairman: Miss Padmini Batuwitige, Director, Waste Management Division, Ministry of Environment	
01	05:25 pm	Shrimp waste management :Use of dried papaya milk in chitosan manufacture	P A J Yapa, A Silva W T P S K Senarath
02	05:40 pm	Media properties of different vermin-compost and coir dust mixtures	B W N Priyadarshani, S Senarathne, N A K de Silva, W G D Lakmini



03	05:55 pm	Suitability of some agro-industrial by-products as litter material for poultry: Physio-chemical properties	N S B M Atapattu, D Senaratne, N D C Sirisena
04	06:10 pm	Wastewater use in agriculture in Sri Lanka: A case study from Kurunegala Sri Lanka	P Dissanayake, A Clemett
05	06:25 pm	Utilization of sewage sludge as a potting media for tree nursery	M P Divya, K Srinivasan M G Rao
06	06:40 pm	Development of a flexible porous pipe using rubber crumb and recycled polyethylene	N Dayaratna S Liyanage
07	06:55 pm	An investigation of the effectiveness of locally available materials as oil spill sorbents for Sri Lanka	L A C S Piyadasa, D K Weerakoon, S W K Kotagama
08	07:10 pm	Studies on utilization of sewage waste water for greening wastelands through afforestation	M P Divya, K Srinivasan M.G Rao
09	07:25 pm	Utilization of oil palm waste as a low cost feed ingredient for growing pigs to reduce the environmental pollution	R A U J Marapana, R T Seresinghe
10	07:40 pm	Development of broiler offal silage with molasses	N S B M Atapattu N D C Sirisena
	07:55 pm	<b>DISCUSSION</b>	

**END OF 1<sup>ST</sup> DAY SESSIONS**
**Day 2 – Saturday the 23<sup>rd</sup> of December 2006**

Hall A	23 Dec	<b>SESSION X – Valuation of Natural Resource and Pollution 1</b> Chairperson: Dr. Lucy Emerton, Regional Group Head, Ecosystem Livelihood Group Asia, IUCN	
01	08:30 am	Project management in a disaster: A Sri Lankan study	M H A S Kumara W S Handapangoda
02	08:45 am	Valuing non-market benefits of human dominated small mangrove forests in Sri Lanka	B M S Batagoda
03	09:00 am	Cost benefit analysis of village tank rehabilitation programme in Hambantota district, Sri Lanka	E B I Dayananda, U A D P Gunawardane
04	09:15 am	Novel analytical techniques for improved decision making: Implications for consumers, institutions and nation states	C T Jayaratne, U A D P Gunawardane
05	09:30 am	Economic implications of declaration of Knuckles conservation zone	K Wickramasinghe, P Steele
06	09:45 am	An empirical investigation on factors affecting coconut growers in the Kurunegala district to adopt integrated pest management techniques	M E Illipangamuwa, U K Jayasinghe-Mudalige
07	10:00 am	Economics of urban amenities: A contingent valuation approach for Bolgoda lake	S A G C Jayasekara U A D P Gunawardane
	10:05 am	<b>DISCUSSION</b>	

**10:25 am – 11:00 am TEA**

Hall A	23 Dec	<b>SESSION X – Valuation of Natural Resource and Pollution 2</b> Chairperson:	
07	11:25 am	Shoreline protection value and social dimensions of mangrove ecosystems in coastal villages affected by the 2004 tsunami in Sri Lanka	R J E Mamiit K Wijayaweera
08	11:40 am	An empirical investigation on the demographic characteristics of specialized visitors and their preferences to use up-country tea plantations as nature tourism sites	W M C S Weerakoon, K G M C P B Gajanayaka U K Jayasinghe -Mudalige
08	11:45 am	Household willingness-to-pay (WTP) for a better waste management system: An empirical investigation in the Mawanella Pradeshiya Sabha region	P D Pathirana, U K Jayasinghe -Mudalige
	12:05 pm	<b>DISCUSSION</b>	

01:00 pm – 01:45 pm LUNCH

Hall A	23 Dec	Session XI – Renewable Energy Resource Chairman: Mr. PG Joseph	
01	01:50 pm	Potential of cultivation of <i>Gliricidia</i> ( <i>Gliricidia sepium</i> ) in coconut triangle for bioenergy generation	L H P Gunaratne S A Dissanayake
02	02:05 pm	Hybrid biogas plant producing electricity	R L Gonsalves, R Khichadi
03	02:20 pm	Consumption patterns of energy in rural sector of Sri Lanka - Analysis based on Puttalam district	J Herath
04	02:35pm	Studies on comparative assessment of tree borne oil species in Southern zone of Tamilnadu, India	P Ratha Krishnan M Paramathma
	02:50pm	<b>DISCUSSION</b>	

08:30 am – 08:50 pm Video Presentation on Post-Tsunami Rehabilitation by Prof. Hemanthi Ranasinghe

Hall B	23 Dec	Session XII- Post -Tsunami Rehabilitation 1 Chairman: Prof. Hemanthi Ranasinghe, Professor of Environment Science, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka.	
01	08:55 am	Impact of post - tsunami rehabilitation activities on selective fishing in the Northern coast of Jaffna peninsula	S Kugathas, Y Sivatharshan, K Sivashanthini
02	09:10 am	Identification of resilient species for maritime vegetation affected by tsunami in Hambantota District of Sri Lanka	K M C Fernando, S Subasinghe, A A Kumara
03	09:25 am	The effects of tsunami on small and medium enterprises (SME's): Case in Hambantota district	K Silva S Amaratunge
04	09:40 am	Identification of economic vulnerability of tsunami affected fishing community in Sri Lanka for rehabilitation and reconstruction: A Case study of tsunami affected fishing community in Kalutara district	M M Fonseka, R L T N Rajapakshe D A C Silva
05	09:55 am	Tsunami and its impact on fisheries industry in Hambantota district of Sri Lanka	J W D Chaminda, P G S A Jayarathne S Amaratunge
06	10:10 am	Designing green belts in the coastal zone of Hambantota	N I Kalasinghe, D M S H K Ranasinghe
	10:15 am	<b>DISCUSSION</b>	

10:25 am– 11:00 am TEA

Hall B	23 Dec	Session XII- Post -Tsunami Rehabilitation 2 Chairman: Prof. Hemanthi Ranasinghe, Professor of Environment Science, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka.	
07	11:30 am	Coordination and information management mechanisms of the tsunami emergency and rehabilitation operations in agriculture, fisheries and forestry sectors in Sri Lanka	W.M.B.S. Nissanka
08	11:45 am	Post-tsunami natural regeneration of coastal vegetation in the Hambantota district in south-eastern Sri Lanka	M S J Perera, C N B Bambaradeniya, P G D R Perera, V A M P K Samarawickrema H D D C K Perera
09	12:00 noon	Assessment of tsunami damage on the coastal vegetation in five selected districts in the coastal zone of Sri Lanka, after one and half years of tsunami	D M S H K Ranasinghe S Wahala
10	12:15 pm	Hydrogeological condition and groundwater quality distribution in the tsunami affected Southern coastal area of Sri Lanka	R U K Piyadasa, K D N Weerasinghe, D S E Kumara, H K C S Lakmal, J A Liyanage
11	12:35 pm	Organizational response to disaster - the case of tsunami, December 2004	S F Ansar, M W A P Jayatilaka
	12:40 pm	<b>DISCUSSION</b>	



01:00 pm – 01:45 pm LUNCH

Hall B	23 Dec	Session XIII - Sociological, Legal and Institutional Aspects of Sustainable Development Chairman: Prof. M M Karunanayake,	
01	01:45 pm	The public trust doctrine and sustainable development: An aspect of environmental law	S S M De Silva
02	02:00 pm	Community engagement in forest resource protection in Sri Lanka dry zone: A success story	A Widanapathirana
03	02:15 pm	Positioning sustainable development as a people's programme - the institutional response	S R Garimella
04	02:30 pm	Perceptions of buffer zone villagers on conservation of Knuckles forest range	M C M Perera, G Hitinayake S K Hennayake
05	02:45 pm	Forest management through community participation in Sri Lanka (with reference to Kurunagala district)	H M Nawarathna Banda
06	03:00 pm	Institutional structure and sustainable forest management: A study of participatory forest management institutions in Orissa, India	B P Nayak, R K Sharma.
	03:15	<b>DISCUSSION</b>	

Hall C	23 Dec	SESSION XIV – Bio-diversity Conservation and Management 1 Chairman: Dr. Channa Bambaradeniya, Regional Director, IUCN	
01	08:30 am	Pteridophyte flora of Udawattakele forest: the past, present and future	R H G Ranil, S R W A B M R J Kandapola, D K N G Pushpakumara D S A Wijesundara
02	08:45 am	Historical changes in number of endemic birds in Sri Lanka from 1854 to 2006	C D Kaluthota, S W Kotagama
03	09:00 am	A study on tree diversity in lowland, sub-montane and montane forest formations along the Hapugastenna nature trail in the Peak Wilderness sanctuary	R M A P M Rajatewa, B.M.P. Singhakumara
04	09:15 am	Pteridopytic diversity in Lookandura forest	S R W A B M R J Kandapola, R G H Ranil, D K N G Pushpakumara, T Sivananthawarl
05	09:30 am	Diversity of butterflies in the premises of Sabaragamuwa University Buttala, Sri Lanka	C De Alwis, T Surasinghe
06	09:45 am	Lichen floral studies on <i>Artocarpus heterophyllus</i> Lam. tree trunk in different eco-regions of Sri Lanka	M M K Karunarathne, W J S K Weerakkody, D S A Wijesundara
	10:00	<b>DISCUSSION</b>	

10:25 am – 11:00 am TEA

Hall C	23 Dec	SESSION XIV – Bio-diversity Conservation and Management 2 Chairman: Prof. S W Kotagama, Professor of Environmental Science, University of Colombo, Sri Lanka	
07	11:30 am	Diurnal avifaunal diversity, species richness and density along the Bolgoda canal in the Bellanwila- Attidiya sanctuary, western Sri Lanka	U Dissanayaka, D Mahaulpatha
08	11:45 am	Current distribution and abundance of slender lorises ( <i>Loris tardigradus</i> and <i>L. lydekkerianus</i> ) in Sri Lanka	S N Gam age, D K Weerakoon A Gunawardena
09	12:00 noon	Preliminary study on herpetofaunal diversity of Nilgala forest area in Monaragala district, Sri Lanka	D M S S Karunarathna, A A T Amarasinghe, U T I Abeywardena, M D C Asela D G R Sirimanna
10	12:15 pm	Buffer zone restoration and development in Knuckles conservation area, Sri Lanka: An overview of Darwin Initiative Project	B Dhakal, M A Pinard

11	12:30 pm	On the relationships of birds and their habitat requirements: Insights from a tropical rain forest in Silent Valley National Park, Western Ghats, India	Anoop Das, L Vijayan
	12:45 pm	<b>DISCUSSION</b>	

01:00 pm – 01:45 pm **LUNCH**

Hall C	23 Dec	<b>SESSION XIV – Bio-diversity Conservation and Management 3</b> Chairman: Mr. Sarath Fernando, Conservator General of Forest, Forest Department, Sri Lanka	
12	01:50 pm	Determination of the scale of pattern and distribution in <i>Helicteres isora</i> L. (Sterculiaceae)	K Yakandawala, S J B A Jayasekera, D S A Wijesundara T L S Thirimanne
13	02:05 pm	Eco-geographic survey of wild species of <i>Vigna</i> in Sri Lanka	A S U Liyanage, W M D Wasala, D K Edirisinghe A Wijesekera
14	02:20 pm	Conservation significance of privately managed coffee forests of Kodagu, Western Ghats	B N Sathish, C G Kushalappa
15	02:35 pm	Phytosociology of woody vegetation on the eastern slopes of Nilgiris	R T Agasimani, K Kumaran
16	02:50 pm	Present status of mangroves in three different water bodies associated sites in Thirukkivil and Pottuvil, Ampara district	P Manoharan, T Shripathy
	03:05 pm	<b>DISCUSSION</b>	

#### CONCLUDING SESSION – Hall A

Time	Chairman: Prof. Ajith Abeysekara, Dean, Faculty of Applied Science, University of Sri Jayewardenepura, Sri Lanka
04:00 pm	Address by the Chairman
04:05 pm	Key Issues Emanated From the Symposium – Panel Discussion
04:15 p.m.	Address By The Guest of Honor Minister Mithreepala Sirisena, Ministry of Environment and Mahaweli Development
04:35 pm	Concluding Remarks by the Chairman
04:40 pm	<b>End of the International Forestry and Environment Symposium 2006</b>