

## SCIENTIFIC PROGRAMME

- 9.45 am      **Guests to be seated**
- 10.00 am      **Arrival of Guest-of-Honour**  
Mr Tharman Shanmugaratnam  
Minister for Education
- Welcome Address**  
Dr Shirley Lim, President, 31<sup>st</sup> Council, The Singapore Institute of Biology (SIBiol)
- Welcome Address**  
Dr Lim Tit Meng, Co-Chairman, Conference Organising Committee
- Opening Address**  
Guest-of-Honour  
Mr Tharman Shanmugaratnam
- 10.45 am      **Tea Reception**
- 11.30 am      **Keynote Address**  
Dr Jane Goodall  
(Jane Goodall Institute for Wildlife Research, Education and Conservation)

**Session 1**  
**Tuesday 07 December**

<b>Time</b>	<b>Plenary Lecture</b>
<b>Venue</b>	LT 2
2.00-2.45pm	David Micklos: "Coming to the gene age: The challenge to biology educators"

<b>Time</b>	<b>Biodiversity</b>	<b>Biotechnology</b>	<b>Bioeducation</b>
<b>Venue</b>	LT 2	LT 12	TR 53
<b>Subtheme</b>	Evolution	Molecular Biology	Bioactive Agents I
	<b>Chairperson</b> <b>P. Ng</b>	<b>Chairperson</b> <b>S.K. Lee</b>	<b>Chairperson</b> <b>L.K. Tan</b>
2.45-3.00pm	<b>M. Schilthuizen</b> "The Evolution of a Brass Band: Speciation in Limestone Microsnails in Borneo"	<b>K. Etebari et al.</b> "Evaluation of Resistance to Nuclear Polyhedrosis Virus in 20 Commercial Hybrids of Silkworm ( <i>Bombyx mori</i> )"	<b>P.M. Sherief et al</b> "Antitumour activity of a peptidoglycan isolated from the ink of the cuttlefish <i>Sepia pharaonis</i> Ehrenberg"
3.00-3.15pm	<b>C. Daugeron</b> "The <i>Empis hyalea</i> -group (Diptera: Empididae: Empidinae): A Potential Model for Studying The Impact of Quaternary Climate Changes on Asian Biodiversity"	<b>R. Haidari &amp; M. Haidarizadeh</b> "Evaluation of Albumin-Like Proteins in Cereal Seed as a Biochemical Marker for a new classification of species of Gramineae"	<b>M.I. Tan et al</b> "Fucoidan and <i>Sargassum siliquosum</i> extract reduced the expression of <i>p53</i> and estrogen receptor on Breast Cancer Cell Lines"
3.15-3.45 pm	<b>Tea Break</b>		

**Session 2**  
**Tuesday 07 December**

<b>Time</b>	<b>Plenary Lecture</b>
<b>Venue</b>	LT 2
<b>3.45-4.30pm</b>	<b>Charles Arntzen: "Production and down-stream processing of plant derived oral vaccines"</b>

<b>Time</b>	<b>Biodiversity</b>		<b>Biotechnology</b>	<b>Bioeducation</b>
<b>Venue</b>	<b>LT 2</b>	<b>LT 12</b>	<b>TR 53</b>	<b>TR 55</b>
	<b>Molecular Phylogeny</b>	<b>Molecular Biology</b>	<b>Structural Biology</b>	
	<b>Chairperson K.H. Han</b>	<b>Chairperson H.H Yeoh</b>	<b>Chairperson S. Swarup</b>	<b>Chairperson Y.C. Lim</b>
<b>4.30-4.45pm</b>	<b>K.F. Su et al.</b> "The Molecular Phylogeny and Evolution of Jumping Spiders (Araneae: Salticidae) with Focus on Evolution of Prey-Catching Behaviour"	<b>Tati-Subahar et al</b> "Arthropods Diversity in the Canopy and Soil Surface Using Light Traps in Natural Forest of Mount Tangkubanparahu"	<b>B. K. Biswal et al</b> "Crystal Structures of HCV RNA Dependent RNA Polymerase of Genotype 2a and it's Complex with Non-nucleoside Inhibitors"	<b>C. Liew et al</b> "Relationship between motivation and performance in PBL"
<b>4.45-5.00pm</b>	<b>K.H. Han</b> "Phylogeny of small mammals in Borneo"	<b>A.C.Y. Yeung</b> "Foraging behaviour of Nerita yoldii on seasonal, tropical rocky shores"	<b>R. Nandhakishore et al</b> "Recombinant Production & Functional studies of venom protein from O. hannah"	<b>B. Koh et al</b> "Correlation between O-level results and performance in PBL"
<b>5.00-5.15pm</b>	<b>A. Farhan &amp; R. Meier</b> "A Primate Phylogeny Based on A Supermatrix of DNA Sequences And Morphology Data"	<b>M. Sattari et al</b> "Occurrence And Intensity Of Some Nematodes In The Bony fish Species Of the Caspian Sea"	<b>N.K. Singh and A.K. Jana</b> "Genetic algorithm for protein folding simulation"	<b>S. Balasubramanian</b> "Elementz, North Zone"
<b>5.15-5.30pm</b>		<b>M. Sakari et al</b> "First Report On Chinese Mitten Crab Existence In Anzali"		<b>R. Wijesundera</b> "Restructuring curriculum in a Sri Lankan university"

**Session 3**  
**Wednesday 08 December**

<b>Time</b>	<b>Plenary Lecture</b>
<b>Venue</b>	<b>LT 2</b>
<b>9.00-9.45am</b>	<b>Patrick Grootaert: "Global Diversity and Rain Forests: A Challenge for the Entomologist"</b>

<b>Time</b>	<b>Biodiversity</b>	<b>Biotechnology</b>
<b>Venue</b>	<b>LT 2</b>	<b>TR 53</b>
<b>Subtheme</b>	<b>Faunistic/Animal Biology</b>	<b>Bioengineering &amp; Bioimaging</b>
	<b>Chairperson C.H. Diong</b>	<b>Chairperson S. Swarup</b>
<b>9.45-10.00am</b>	<b>L.J. Porter</b> "Population Viability Analysis of The Pearl River Estuary Indo-Pacific Humpback Dolphin ( <i>Sousa chinensis</i> )"	<b>K.S. Ma &amp; Z.W. Zhong</b> "Comparison Of Simplification Accuracy On Human Torso Cardiac Electromagnetic Field Modelling"
<b>10.00-10.15am</b>	<b>B. Lee</b> "Rare or Simply Cryptic? A Prognosis of the Conservation Status of the Malayan Pangolin ( <i>Manis javanica</i> ) in Singapore"	<b>K.R.C. Reddy et al</b> "Novel Fabrication of Dual Electrochemical Probe for Simultaneous Potentiometric & Amperometric Biosensing"
<b>10.15-10.30am</b>	<b>P.K.A. Ng et al</b> "Population And Demography of The Red-Eared Slider Terrapin in Singapore"	<b>K. Mohanty</b> " <i>Crassipes</i> as a Suitable Biosorbent for Cr(VI) Removal"
<b>10.30-11.00am</b>	<b>Tea Break</b>	

**Session 4**  
**Wednesday 08 December**

<b>Time</b>	<b>Plenary Lecture</b>
<b>Venue</b>	<b>LT 2</b>
<b>11.00-11.45am</b>	<b>L. Jan Slikkerveer: “Biopiracy versus Bioprospecting: Intellectual Property Rights and the Protection of Ethnobotanical Knowledge Systems”</b>

<b>Time</b>	<b>Biodiversity</b>	<b>Biotechnology</b>	<b>Bioeducation</b>
<b>Venue</b>	<b>LT 2</b>	<b>TR 53</b>	
<b>Subtheme</b>	<b>Conservation</b>	<b>Fish Biology</b>	
	<b>Chairperson</b> <b>L.J. Slikkerveer</b>	<b>Chairperson</b> <b>S. Swarup</b>	
<b>11.45-12.00pm</b>	<b>S. Ekaratne</b> “Practicing effective conservation Biology by changing the role of stakeholder communities to transform ineffective coastal biodiversity conservation Laws”	<b>J.L.V. Relucio</b> “Feeding Frenzy: a novel method for DNA vaccine delivery into fish through incorporation into feeds”	
<b>12.00-12.15pm</b>	<b>G.H. Yue</b> “Development of Genomic Tools for Studying the highly endangered Asian Arowana”		
<b>12.15-1.00pm</b>	Poster Sessions outside LT 1	Poster Sessions outside LT 1	Poster Sessions outside LT 1
<b>1.00-2.00pm</b>	<b>Lunch</b>		

**Session 5**  
**Wednesday 08 December**

Time	Plenary Lecture
Venue	LT 2
2.00-2.45pm	Leo Tan: “The Nurturing of Young Biologists in Singapore”

Time	Biodiversity	Biotechnology	Bioeducation	
Venue	LT 2	LT 12	TR 53	TR 55
Subtheme	Evolution	Applied Biology	Bioactive Agents-II	
	Chairperson S. Lum	Chairperson A.H.B. Loo	Chairperson L.T. Tan	Chairperson T.M. Lim
2.45-3.00pm	<b>M. Pharmawati et al</b> “Using PCR-RFLP to Reveal Chloroplast DNA Variation and the Phylogenetic Implication in <i>Leucadendron</i> ”	<b>C.M. Wong</b> “Remote Sensing Studies In Singapore Mangroves”	<b>S. Radha</b> “The Effect of <i>Coccinia indica</i> Leaf Extract on Cisplatin Induced Nephrotoxicity”	<b>S.C. Tan (cancelled)</b> “Learning Biology Through Collaborative Knowledge Building”
3.00-3.15pm	<b>A. Watve</b> “Rock Outcrops In India: Islands Of Specialized Biodiversity”	<b>L. Abellera &amp; C. Dolino</b> “Habitat Mapping from Satellite Imagery”	<b>M. Mirzaiy</b> “Antibacterial activity of <i>Ferulago angulat</i> ”	<b>A.L. Tan</b> “Bridging the Language Gap in the Biology Classroom”
3.15-3.45pm	<b>Tea Break</b>			

**Session 6**  
**Wednesday 08 December**

<b>Time</b>	<b>Plenary Lecture</b>
<b>Venue</b>	<b>LT 2</b>
<b>3.45-4.30pm</b>	<b>Lucius Eldredge: “Aquatic Invaders in Hawaiian Waters”</b>

<b>Time</b>	<b>Biodiversity</b>	<b>Biotechnology</b>	<b>Bioeducation</b>
<b>Venue</b>	<b>LT 2</b>	<b>LT 12</b>	<b>TR 53</b>
<b>Subtheme</b>	<b>Animal Biology</b>	<b>Applied Biology</b>	<b>Bioactive agents-III</b>
	<b>Chairperson L. Chan</b>	<b>Chairperson J. He</b>	<b>Chairperson L.T. Tan</b>
			<b>TR 55</b>
			<b>Chairperson T.M. Lim</b>
<b>4.30-4.45pm</b>	<b>T.M. Leong</b> “Diversity of Hawkmoths (Lepidoptera: <i>F. Sphingidae</i> ) in Singapore”	<b>D. Umesha et al</b> “Molecular Characterization of Species-Specific DNA Marker Probe for Sport Fish”	<b>H.K. Mahanty</b> “Towards the development of a novel phenazine antibiotic”
<b>4.45-5.00pm</b>	<b>I. Sabry &amp; L. Al-Ghaith</b> “The Ultrastructure of the Harderian Gland of the Dhub Lizard is altered by environment”	<b>A. Kharabian</b> “Application of Gliadin Markers to Estimate Biodiversity of <i>Triticum persicum</i> And <i>T. pyramidale</i> ”	<b>M. Asghar et al</b> “Purification and characterization of a thermostable xylanase from <i>Chaetomium thermophile</i> in submerged culture”
<b>5.00-5.15pm</b>	<b>L.V. Abellera &amp; C. N. Dolino</b> “Conservation Status of the Philippine Tarsier”	<b>M.R. Amerian</b> “Water Use Efficiency and Photosynthesis of Bean Plants Under Water Stress”	<b>A. Walia and S. Kaur</b> “Antioxidative potential of Water Extract from Fruits of <i>Aegle marmelos</i> using Single Cell Gel Electrophoresis (SCGE)/Comet assay”
<b>5.15-5.30pm</b>	<b>M. Shekelle</b> “Biogeography & Taxonomy of Tarsiers”	<b>M. Mirzaiy</b> “The medicinal plants of Kermanshah (Iran)”	<b>T. Hasanloo et al</b> “Determination of Silymarin in the Extract from the Dried <i>Silybum marianum</i> L.Gaertn Fruits by TLC in Different Areas of Iran”
			<b>S. Chen (change to poster)</b> “Study of students' achievement with concept map in ecology course”
			<b>S.S.L. Lim and B. Goh</b> “The Secret's In The “Beans”: Teaching Community Ecology Concepts In Classroom”
			<b>S. Lum</b> “Long-term collaborative field studies between schools & ecologists”
			<b>N. Sivasothi</b> “Evolution of the Volunteer Corps, Raffles Museum”

**Session 7**  
**Thursday 09 December**

<b>Time</b>	<b>Plenary Lecture</b>
<b>Venue</b>	<b>LT 2</b>
<b>9.00-9.45am</b>	<b>Michael Horn: "Molecular Farming: Current Products and Future Prospects"</b>

<b>Time</b>	<b>Biodiversity</b>		<b>Biotechnology</b>
<b>Venue</b>	<b>LT 2</b>	<b>LT 12</b>	<b>TR 53</b>
<b>Subtheme</b>	<b>Biological Chemistry</b>	<b>Molecular Biology</b>	<b>Transgenic Plants</b>
	<b>Chairperson D.Q. Li</b>	<b>Chairperson S. Davies</b>	<b>Chairperson S. Swarup</b>
<b>9.45-10.00am</b>	<b>S. Widyarti et al</b> "The Study of Plant Natural Compound Quercetin on Fas Receptor Activity and PARP in Lung of Rat ( <i>Rattus norvegicus</i> ) after Benzo(a)pyren Treatment"	<b>A.H.B. Loo</b> "Phylogenetic Inference – The Application Of Phylogenetic Tools In Biodiversity And Evolutionary Research Across Diverse Lineages"	<b>S.K. Tan &amp; M.L. Lin</b> "Modification of <i>Heliconia</i> plant by sGFP gene Through <i>Agrobacterium</i> -mediated Transformation"
<b>10.00-10.15am</b>	<b>D.R. Batish et al</b> "Natural Products for Weed Management"	<b>W.K. Seah et al</b> "Limitations in Mating Success in Green Transgenic <i>Danio rerio</i> "	<b>M. Tohidfar</b> " <i>Agrobacterium</i> -mediated Transformation of Cotton ( <i>Gossypium hirsutum</i> L.) using a heterologous bean Chitinase Gene"
<b>10.15-10.30am</b>	<b>X.W. Ge</b> "Chemistry Diversity of some <i>Dicranoloma</i> Species"	<b>N. Thajuddin &amp; S.A. Nierzwicki-Bauer</b> "Biodiversity of Bacterial Symbionts Associated with <i>Azolla</i> spp.: a 16S rRNA approach"	<b>S.A. Mohammad</b> "Effects of <i>Rumex</i> RAP1 gene ectopically expressed in tobacco"
<b>10.30-11.00am</b>	<b>Tea Break</b>		

**Session 8**  
**Thursday 09 December**

Time	Plenary Lecture
Venue	LT 2
11.00-11.45am	Pilai Poonswad: “Conservation of Hornbills in Thailand”

Time	Biodiversity		Biotechnology	
Venue	LT 2	LT 12	TR 53	TR 54
Subtheme	Avian Ecology	Forest Ecology	Plant Physiology-I	Biomedical
	Chairperson P. Poonswad	Chairperson N. Gunatilleke	Chairperson F.Y. Tham	Chairperson S. Swarup
11.45-12.00pm	<b>M.R. Posa</b> “Effects of Anthropogenic Landscape Changes on Philippine Forest Birds and Butterflies”	<b>K.T. Abkenar</b> “Influence of Light Conditions on Characteristics of Beech Saplings”	<b>A.N.K. Chua et al</b> “Effects Of Iron Availability On Photosynthesis of Chinese Broccoli at different root temperatures”	<b>A. Mohankumar &amp; D. Santhoshkumar</b> “Evaluation of potential vaginal microherbicide for AIDS patients”
12.00-12.15pm	<b>P.K. Mishra et al</b> “Conservation of Migratory Local Birds of Satpura Hills of Madhya Pradesh, India”	<b>V.R. Rai</b> “ <i>Ex Situ</i> Conservation of Threatened Medicinal Forest Trees of Western Ghats of India”	<b>S.Z. Wang et al</b> “Effects Of Virus Infection And Light Stress On Photosynthesis Of C3 And CAM Orchid Plants”	<b>L.N. Ma</b> “Development of PCR Kit for Rapid Detection of <i>Salmonella</i> in Domestic Animal Products”
12.15-12.30pm	<b>E.P.S. Chandana et al</b> “Factors Affecting Waterbirds of Bundala National Park”	<b>R. Ganesan</b> “Understorey Plant Community In A Logged Wet Evergreen Forest”	<b>Z.Q Wen</b> “Effects of OPAL HA202 on Yield of Early-flowering <i>Brassica chinensis</i> ”	<b>J. Cheng</b> “Expression & purification of NADPH Cytochrome P450 Reductase and Poly-antibody production”
12.30-12.45pm	<b>I. Neri-Arboleda</b> “Urban Coastal Birds of Tambo, Paranaque, Philippines”	<b>M.S. Devy &amp; T. Ganesh</b> “The Elevated Influence of Flowering phenology on Patterns of Arboreal Mammals in a rainforest”	<b>S. Jayasuta et al (Cancelled)</b> “Effects of Chitosan on Gene Expression in <i>Dendrobium EISKUL</i> ”	<b>S. Saxena</b> “Comparison Of Variable Allele Frequencies of SP-A1 And SP-A2 Genes In Distinct Groups Of Indian”
12.45-1.00pm	<b>V.K. Sethi et al</b> “Diversity of a Subtropical Wetlandscape in Haridwar”	<b>T. Ganesh et al</b> “Long-Term Flowering And Fruiting Patterns of Rainforest Trees”	<b>C. Wong et al</b> “Effects of Polymer Size and Concentration of Chitosan on Germination & Growth of Cowpea, Okra, Soybean”	
1.00-2.00pm	<b>Lunch</b>			

**Session 9**  
**Thursday 09 December**

Time	Plenary Lecture
Venue	LT 2
2.00-2.45pm	<b>Maurice Moloney: “Production and Purification of BioPharmaceuticals from Transgenic Oilseeds Using Oleosin and Oilbody Technology”</b>

Time	Biodiversity		Biotechnology
Venue	LT 2	LT 12	TR 53
Subtheme	Marine Biology	Forest Ecology	Plant Physiology-II
	Chairperson P. Tantichodok	Chairperson S. Gunatilleke	Chairperson S. Swarup
2.45-3.00pm	<b>K.W. Lee</b> “The Wandering And Foraging Behaviour of Soldier Crabs, <i>Mictyris longicarpus</i> ”	<b>T. Ardyati</b> “Diversity of Local Edible Mushroom Species in Three Conservation Areas: Seloliman Forest, Cangar Forest and Purwodadi Botanical Garden”	<b>L.P. Tan et al</b> “Which has a more growth inhibitory effects on aeroponically grown <i>Capsicum</i> – hot ambient root zone temperature or nitrogen deprivation?”
3.00-3.15pm	<b>R. Ahmad &amp; S.S.L. Lim</b> Effects of presence of pneumatophores on the burrow morphology of <i>Uca annulipes</i> in the field and in a simulated experiment	<b>D.P. Ambrose</b> “Biodiversity of Indian Assassin Bugs (Insecta: Hemiptera: Reduviidae)”	<b>L. Qin et al</b> “Interaction Between Root-Zone Temperature And Ethylene Biosynthesis Precursor And Inhibitors On Temperate Lettuce Grown Under Tropical Conditions”
3.15-3.45pm	<b>Tea Break</b>		

**Session 10 (part I)**  
**Thursday 09 December**

Time	Biodiversity		Biotechnology	
Venue	LT 2	LT 12	TR 53	TR 54
Subtheme	Marine Biology	Fish Diversity/Animal Biology	Plant Physiology-III	Plant Tissue Culture
	Chairperson R. Riordan	Chairperson H.H. Tan	Chairperson F.Y. Tham	Chairperson S. Swarup
3.45-4.00pm	<b>S.C. Lim &amp; K.S. Tan</b> "Fouling Sponges (Porifera) on Navigation Buoys in Singapore Waters"	<b>H. Khara et al</b> "Fish Diversity in Boojagh Marine and Land National Park in the Southern Part of the Caspian Sea of Iran"	<b>G.J. Liang</b> "Effects of DA-6 and (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> on Contents of Mineral Elements and Soluble Sugar of Spinach Plants"	<b>Z. Reza et al</b> "The Effect of Different Growth Regulators on Somatic Embryogenesis of Cultivars of Date Palm"
4.00-4.15pm	<b>P.O. Ang</b> "Storms and Stability of Hong Kong Coral Communities"	<b>T.V.A. Mercy (cancelled)</b> "Present Status of Freshwater Fish Diversity of the Western Ghats of India"	<b>J. He et al</b> "Effects of Elevated Root-Zone CO <sub>2</sub> On Photosynthesis And Productivity Of Lettuce Plants"	<b>P. Velayutham &amp; B.D.R. Kumari</b> "Auxin induced <i>in vitro</i> root production & enhancement of inulin/esculin in <i>C. intybus</i> "
4.15-4.30pm	<b>J.R. Guest et al</b> "Reproductive Seasonality And Spawning Synchrony in An Equatorial Assemblage of Scleractinian Corals"	<b>S. Nezami et al</b> "Feeding Biology of Pike ( <i>Esox lucius</i> ) in Amirkelayeh Wetlands"	<b>H.Y. Luo et al</b> "Effect Of Different Ca Concentrations On Productivity and Nutrient Uptake Of Butterhead Lettuce"	<b>A.V. Azghandi &amp; N. Mojtahedi</b> "Recent development on shoot multiplication of pistachio using explants"
4.30-4.45pm	<b>C.K. Wong et al</b> "Feeding Selectivity of The Marine Cladoceran <i>Penilia avirostris</i> Determined by HPLC Analysis"	<b>D.R. Khanna</b> "Fish Diversity and The Limnological Status of the Ganga River System in the Foothills of Garhwal Himalaya, Uttaranchal"	<b>L. V. Tan et al</b> "Change in titratable acidity and total soluble solids after treatments on chilling injury alleviation in banana"	<b>B.D.R. Kumari</b> "Multiple shoot induction and <i>in vitro</i> flowering in <i>Rauvolfia tetraphylla</i> L."

**Session 10 (Part II)**  
**Thursday 09 December**

Continued from previous page

Time	Biodiversity		Biotechnology		
	Venue	LT 2	LT 12	TR 53	TR 54
Subtheme		Marine Biology (con't)	Fish Diversity/Animal Biology (con't)	Plant Physiology-III	Plant Tissue Culture
		Chairperson R. Riordan	Chairperson H.H. Tan	Chairperson F.Y. Tham	Chairperson S. Swarup
4.45-5.00 pm		<b>T.C. Wai</b> "Assessing the Relative Importance of Molluscan Grazing Pressure In Low-Shore Rock Pools"	<b>N. Kurniawan &amp; E. Arisoesilarningsih</b> "Frogs Diversity as Pest Natural Enemies in Different Rice Farming Systems"	<b>S. Maneeprasobsuk et al</b> "Comparison of gene expression between the original rice <i>Oryza sativa</i> L cv Leungpratew 123 and the salt tolerant lines in salt stressed condition"	<b>O. Hamideh</b> "Mass propagation of protocorm-like bodies using bioreactor system in <i>Dendrobium</i> "
5.00-5.15pm		<b>P. Tantichodok &amp; A. Kaenphet</b> "Utilization of Mangrove Grapsid Crabs in Thailand"		<b>P. Klomsakul et al</b> "Effect of Exogenous Abscisic Acid (ABA) on Salt Tolerance and Proline Accumulation of Rice Seedlings"	<b>L. Gheiratmand</b> "Studying The Effects of Transferring p5cs Gene to Olive Embryo (cv. Zard) For Improving its Tolerance to Salt Stress"

**Special Programme**

<b>7.00-10.00pm</b>	<b>Singapore Institute of Biology 30<sup>th</sup> Anniversary Dinner (Jurong Bird Park)</b>
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**Session 11**  
**Friday 10 December**

<b>Time</b>	<b>Biodiversity Plenary Lectures</b>
<b>Venue</b>	<b>LT 2</b>
9.00-9.45am	<b>Stuart Davies: “Tropical forests of Asia: long-term changes in diversity and dynamics”</b>
9.45-10.30am	<b>Roger Kitching: “The Australian-Asian Connection – biological free trade or historical barriers?”</b>
10.30-11.00am	<b>Tea Break</b>

**Session 12**  
**Friday 10 December**

<b>Time</b>	<b>Plenary Lecture</b>
<b>Venue</b>	<b>LT 2</b>
<b>11.00-11.45am</b>	<b>Peter Ng: “Of Crabs and Men: Changing Face of Systematics”</b>

<b>Time</b>	<b>Biodiversity</b>		<b>Biotechnology</b>
<b>Venue</b>	<b>LT 2</b>	<b>LT 12</b>	<b>TR 53</b>
<b>Subtheme</b>	<b>Forest Biology/Ecology</b>	<b>Marine Biology</b>	<b>Fermentation technology &amp; Bioreactor</b>
	<b>Chairperson</b> <b>L. Hedenäs</b>	<b>Chairperson</b> <b>S.H. Tan</b>	<b>Chairperson</b> <b>F.Y. Tham</b>
<b>11.45-12.00pm</b>	<b>L. Hedenäs</b> “Habitat Preferences in <i>Acroporium</i> and Related Pleurocarpous Mosses”	<b>J.S. Paimpillil</b> “Ground Water Flux And Potential Phytoplankton Bloom In Arabian Sea”	<b>M. Irfana &amp; S.A. Nagra</b> “Production of calcium gluconate by <i>Aspergillus niger</i> in shake flasks”
<b>12.00-12.15pm</b>	<b>N.T. Lim &amp; P.K.L. Ng</b> “Habitat requirements & Preliminary Population Census of The Malayan Flying Lemur in S'pore”	<b>U. Darumas et al</b> “Chemical Interaction between nudibranch, <i>Jorunna funebris</i> and the prey sponge”	<b>H. Mukhtar &amp; I. Ul-Haq</b> “Biosynthesis of acid protease by <i>Penicillium griseoroseum</i> IH02 in solid state fermentation”

<b>12.15-12.30pm</b>	<b>H. Ren et al</b> "Long-term Change In Lower subtropical monsoon evergreen forest"	<b>P. Elayaraja &amp; R. Ramanibai</b> "Planktonic Diversity of Estuaries in Tamil Nadu"	<b>S.A. Ziai et al</b> "Garden radish peroxidase eliminates herbicides & aromatic pollutants"
<b>12.30-12.45pm</b>	<b>D.N. Choesin et al</b> "Distribution of Climber Plants Along an Altitudinal Gradient"	<b>N. Tangkrock-olan et al</b> "Effect of Cu on Osmotic Regulation in Blue Swimming Crab"	<b>I. Ul-Haq &amp; H. Mukhtar</b> "Kinetics of invertase synthesis by <i>Saccharomyces cerevisiae</i> in synthetic medium"
<b>12.45-1.00pm</b>	<b>N. Thajuddin</b> "Comparative study on the biodiversity of freshwater and marine cyanobacteria"	<b>J.R. Guest et al</b> "Giant Clam Research, Mariculture And Conservation In S'pore"	
<b>1.00-2.00pm</b>	<b>Lunch</b>		

**Session 13**  
**Friday 10 December**

Time	Biodiversity		Biotechnology
Venue	LT 2	LT 12	TR 53
Subtheme	Marine Biology	Population Biology	Bioremediation
	Chairperson K.S. Tan	Chairperson T.K. Tan	Chairperson F.Y. Tham
2.00-2.15pm	<b>S.L. Lee &amp; S.S.L. Lim</b> "A Periwinkle's 'Fine Balance' for Survival Under Heat Stress at Tanjung Chek Jawa, S'pore"	<b>A.S.A. Alhammadi</b> "Diversity of <i>Ricinus communis</i> L. Natural Populations and Its Genetic Causes"	<b>M. Asghar et al</b> "Characterization of Laccase produced by <i>Pleurotus ostreatus</i> in Solid State Fermentation of Corn Cobs"
2.15-2.30pm	<b>C.H. Lai</b> "Mercury Rising: Physiological Responses And Aftermath Of A Heat-shock Event In The Intertidal"	<b>S.Z. Mirhoseini et al</b> "Analysis of Population Genetic Structure of Two Iranian Cattle Breeds Using Microsatellite Markers"	<b>A. Nagasathya</b> "Bioremediation of Paper Mill effluent by using hypersaline cyanobacterium <i>Phormidium tenue</i> KMD33"
2.30-2.45pm	<b>W.J. Lee et al</b> "Spatial And Temporal Patterns of Settlement & Recruitment Of The Intertidal Barnacles <i>C. malayensis</i> "	<b>K. Etebari &amp; L. Matindoost</b> "Hierarchical Agglomerative Clustering of 20 Lines of Silkworm ( <i>Bombyx mori</i> L.) by Biochemical Markers"	<b>P. Dayaram &amp; D. Dasgupta</b> "Degradation and Decolorization of Dyes by Fungal Enzymes"
2.45-3.00pm	<b>A. Panneerselvam et al</b> "Studies on <i>Halocybino villosa</i> , a Marine Fungus Inhabiting Driftwood Samples Along the Southeast Coast of India"	<b>S.R. Gilkolaei et al:</b> "Molecular Population Study on <i>P. semisulcatus</i> From The Persian Gulf And Oman Sea Using COI Gene By RFLP"	<b>R.D. Geetha</b> "Isolation of some aerobic <i>Actinomycete</i> sp. from the Coimbatore region of India & influence of soil factors on its diversity"
3.00-3.15pm		<b>B. Atashbar et al</b> "Effect Of Salinity On Growth, Survival And Maturity Of Parthenogenetic Population Of <i>Artemia</i> "	<b>M.S. Khehra et al</b> "Biotreatment of synthetic textile waste water using anoxic aerobic sequential bioreactor"
3.15-3.45pm	<b>Tea Break</b>		

**Session 14**  
**Friday 10 December**

<b>Time</b>	<b>Last session and closing ceremony</b>
<b>Venue</b>	<b>LT 1</b>
	<b>Chairperson</b> <b>T. Tan</b>
<b>3.45-4.00pm</b>	<b>S.S.L. Lim and T.M. Lim: "International Biology Olympiad, the Singapore approach"</b>
<b>4.00-4.45pm</b>	<b>Closing Plenary Lecture by Hans Morelis: "Make your education nice, useful and pleasant"</b>
<b>4.45-5.00pm</b>	<b>CLOSING CEREMONY</b>