

Organised by



TWENTY THIRD  
INTERNATIONAL  
FORESTRY AND  
ENVIRONMENT

Symposium  
2018

*Towards Sustainable and Greener Future*

Organised by

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

23<sup>rd</sup> -24<sup>th</sup> November 2018

Citrus Waskaduwa, Waskaduwa, Sri Lanka

**SYMPOSIUM PROGRAMME**

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**08.30 am Registration of Participants**

**09.00 - 10.30 am Inauguration and Plenary Session**

09.00 am	Lighting of the Oil Lamp
09.10 am	University Anthem
09.15 am	Welcome address: <i>Prof. Upul Subasinghe</i> (Symposium Chair), Head, Department of Forestry and Environmental Science, University of Sri Jayewardenepura
09.25 am	Address: <i>Snr. Prof. Sudantha Liyanage</i> , Dean, Faculty of Applied Sciences, University of Sri Jayewardenepura
09.35 am	Address: <i>Dr. D.P.S. Chandrakumara</i> , Acting Vice Chancellor, University of Sri Jayewardenepura
09.45 am	Address of the Chief Guest
10.00 am	Key Note Speech: <i>Dr. (Mrs.) Mary Boyce</i> , Associate Professor of School of Science, Edith Cowan University, Western Australia
10.20 am	Key Note Speech: <i>Mr. Tom Jenkins</i> , Head of Forest Research in Wales, Forest Research Agency, Environment Centre Wales, United Kingdom
10.40 am	Vote of Thanks: <i>Dr. Thilak Chandrathilake</i> , Symposium Coordinator
10.45 am	National Anthem

**10.50 - 11.00 am Tea Break**

**DAY 01: 23<sup>rd</sup> NOVEMBER 2018**

Time	Hall A (Mandarine)	Hall B (Blue Orchard)	Hall C (Skyline)
	Session 01 Biodiversity and Ecological Health Prof. Nilanthi Dasanayake	Session 02 Forest and Natural Resource Management Snr. Prof. Hemanthi Ranasinghe	Session 03 Waste Management and Pollution Control Prof. Deepthi Wickramasinghe
11.00 - 11.10 am	Theme talk by Prof. Jacob Solomon Raju Aluri <b>"Plant-pollinator Interactions and Biodiversity"</b> Andhra University, India	<b>69</b> <i>In-vitro</i> Antidiabetic Properties of Methanol Extract and Its Fractions of Sri Lankan Marine Red Algae <i>Gracillaria edulis</i> (Gmelin) Silva. <b>M.D.T.L. Gunathilaka</b>	<b>13</b> A Simplified Mathematical Model to Determine the Degradation Coefficient and Order of Decay for Activated Sludge Process <b>K.H.S.M. Dharmadasa</b>
11.10 - 11.20 am	<b>95</b> Seed Biology of Three <i>Strychnos</i> Species (Loganiaceae) from Sri Lanka, Towards their Conservation <b>D.L. Muthuthanthirige</b>	<b>47</b> Comparative Study On Sugar Content Of Under-Utilized <i>Sargassum</i> spp. <b>I.S. Makawita</b>	<b>23</b> Litter Phosphorus Load and On Farm-Eutrophication Potential of Naturally Ventilated Open and Tunnel Ventilated-Closed House Broiler Production Systems. <b>N.S.B.M. Atapattu</b>
11.20 - 11.30 am	<b>40</b> Aspects of Parental Care Approaches and Nestling Diet of Yellow-Eared Bulbul ( <i>Pycnonotus penicillatus</i> ) in Montane Region of Sri Lanka <b>S. Chandrasiri</b>	<b>119</b> Microencapsulation of Essential Oils ( <i>Citronella</i> ) and Impregnation into Cotton Fabric <b>S. Wijayapala</b>	<b>74</b> Assessment of Environmental Consequence of Nitrogenous Fertilizer Leaching in Farmer Paddy Fields through Grey Water Footprint Concept <b>M.P.G.N.M. Palliyaguru</b>
11.30 - 11.40 am	<b>44</b> Nesting Ecology of Water Bird Species in Kandy Lake, Kandy, Sri Lanka <b>K.R.S. Swarnahansi</b>	<b>68</b> Using the Leaf Bronzing Score to Assess Iron Toxicity Tolerance in Lowland Rice <b>K.G.D.I. Siriwardana</b>	<b>121</b> Investigation of Stabilization of Natural Dyes to Textile Dye Industry <b>S. Wijayapala</b>
11.40 - 11.50 am	<b>49</b> Comparative Assessment of Amphibian Abnormalities Associated with the Lentic Water Bodies of Montane Forests <b>G.K.V.P.T. Silva</b>	<b>185</b> Inducement of Agarwood Resin Formation in <i>Aquilaria crassna</i> Using Three Endophytic Fungal Species <b>A.N.G.C.K. Vidurangi</b>	<b>180</b> Evaluation of Quality and Performance of Compost Made by Co-Composting Municipal Solid Waste and Slaughter House Waste <b>N.U.S. Dissanayake</b>

11.50 - 12.00 noon	<b>75</b> Diurnal Behavior of Captive and Free-ranging Asian Elephants ( <i>Elephas maximus</i> ): A Case Study in Sri Lanka and Implications for Captive Management. <b>N. Wijayathilaka</b>	<b>129</b> Examination of Mainstreaming Age, Gender and Diversities for Effectiveness of Sustainable Forestry Management; Case Study of Sri Lanka Community Forestry Programme <b>D.M.S.B. Dissanayake</b>	<b>190</b> Migration of Phthalic Acid Esters from PET Water Bottles: Implications of Reusing Empty Bottles for Storing Ambient and Warm Water for Subsequent Consumption <b>P.H.G. Perera</b>
12.00 - 12.10 pm	<b>107</b> Leaf Anatomical Studies of the Genus <i>Monochoria</i> : as Evidence for Species Limits <b>K.I.U. Kalpani</b>	<b>135</b> Impacts of Selective Tree Harvesting on a Mono-Specific <i>Ceriops tagal</i> forest, Rekawa, Sri Lanka <b>H.B.P.H. Buddhika</b>	<b>193</b> Reduction of Chemical Oxygen Demand by Enhancing the Activity of Tertiary Treatment by Modifying the Advanced Oxidation Process for Herbal Pharmaceutical Industry Wastewater <b>D.M.T.P Adhikaram</b>
12.10 - 12.20 pm	<b>3</b> A Review of Reproductive Ecology of Mangroves: Conservation and Management <b>A.J.S. Raju</b>	<b>214</b> Seed Oil Production of Plantation Grown <i>Santalum album</i> due to Selected Host and Agro Ecological Variations <b>P.H.P. Piyarathna</b>	<b>201</b> An Assessment of Land Use on WaTER Quality in Different Inlet and Outlet Canals Connected to Nuwarawewa in Anuradhapura <b>R.P.L.N. Ranasinghe</b>
12.20 - 12.45 pm	<b>Discussion</b>		

12.45 - 1.30 pm      **Lunch**

Time	Hall A (Mandarine)	Hall B (Blue Orchard)	Hall C (Skyline)
	<i>Session 01</i>	<i>Session 02</i>	<i>Session 03</i>
	<b>Biodiversity and Ecological Health</b>	<b>Forest and Natural Resource Management</b>	<b>Waste Management and Pollution Control</b>
	Prof. Sandun Senarath	Dr. Missaka Hettiarachchi	Dr. Champa Jayaweera
01.30 - 01.40 pm	Theme Talk by C.S. Kandapola <b>“Reforestation through Private-Public Partnerships”</b>  Tokyo Cement Group	<b>58</b> Phytochemical Analysis and Anti-Oxidant Activity of <i>Plumbago indica</i> L. Root Bark  <b>D.M.I.H. Dissanayake</b>	<b>14</b> Identification of Harmful Marine Microalgae with Special Reference to Physico-Chemical Aspects of Coastal Waters in Western Province, Sri Lanka  <b>P. Jayawardhane</b>

01.40 - 01.50 pm	<b>97</b> Impatiens <i>johnii</i> E. Barnes and <i>Impatiens platyadena</i> C.E.C. Fisch (Balsaminaceae) : The Extinction Risk as Revealed by Reproductive Ecology <b>A.K. Sreekala</b>	<b>17</b> Habitat Fragmentation and Isolation-by-Distance Driven Population Divergence of <i>Oryza rufipogon</i> in Sri Lanka <b>S. Sandamal</b>	<b>54</b> Awareness and Current Practices of Biomedical Waste Management in Kandy district, Sri Lanka <b>A.M.M.S.M. Abeysinghe</b>
01.50 - 02.00 pm	<b>126</b> Taxonomic Account of <i>Strobilanthes</i> sp. in Sri Lanka <b>N. Rajapaksha</b>	<b>33</b> Determination of Antimicrobial, Cytotoxic and Antioxidant Activity in Extracts of <i>Hemidesmus indicus</i> (L.) R. Br. <b>L. Benedict</b>	<b>71</b> Polystyrene Waste Management via Catalyst Assisted Modified Thermal Cracking Process to Form Less Toxic Organic Byproducts <b>P.P. Malalasekara</b>
02.00 - 02.10 pm	<b>150</b> Distribution Pattern of Mangrove Saplings among Different Light Habitats, Rekawa Mangroves, Sri Lanka <b>D.L.C. Madhusanka</b>	<b>6</b> Evaluation of Forest Trees/Shrubs in Nun River Forest for Ornamentals Towards a Greener Future <b>O. Unanaonwi</b>	<b>113</b> Perception of Generation Y on Waste Disposal and Waste Management in Sri Lanka <b>W.G.M.U. Wanodya</b>
02.10 - 02.20 pm	<b>151</b> The Distribution, Natural History and the Conservation Status of <i>Batrachostomus moniliger</i> (Aves: Podargidae) in Last Two Decades from Sri Lanka <b>M. Botejue</b>	<b>91</b> Evaluation of Total Phenolic and Antioxidant Contents of Sulfated Polysaccharide from <i>Chnoospora minima</i> (Hering, 1856) <b>A.G.J. Chathurika</b>	<b>152</b> Phytoremediation for Excess Water Hardness in Drinking Water: A Causative Factor for CKDu in Bandagiriya <b>M.A.P.N. Premarathne</b>
02.20 - 02.30 pm	<b>171</b> Qualitative Morphological Marker Based Genetic Diversity of Some Selected Finger Millet ( <i>Eleusine coracana</i> ) Germplasm Accessions of Sri Lanka <b>P.W. Wakista</b>	<b>162</b> Availability of Tree Cavities for Avian Cavity Nesters in Tropical Montane Cloud Forests at Horton Plains <b>S. Chandrasiri</b>	<b>20</b> Social Conformity in Solid Waste Management <b>A.P. Ranawake</b>
02.30 - 02.40 pm	<b>34</b> Species Diversity and Distribution of Odonata in Selected River Systems of North Cotabato, Philippines <b>R. Rampola</b>	<b>204</b> Comparative Study on Chemical Compositions of Bark and Leaf Essential Oils of Sri Wijeya and Sri Gemunu Cinnamon Varieties ( <i>Cinnamomum zeylanicum</i> Blume) Developed in Sri Lanka <b>P.L.C. Lokuge</b>	<b>194</b> Performance Evaluation of Constructed Wetland Units for Domestic Greywater Treatment <b>D.M.T.S. Dissanayake</b>

02.40 - 02.50 pm	<b>181</b> A Perspective on Management of House Crow ( <i>Corvus splendens</i> ) in the City of Colombo  <b>D. Nadaraja</b>	<b>158</b> Comparison of Antioxidant Activity of <i>Nigella sativa</i> and <i>Bunium bulbocastanum</i> using Different Extraction  <b>A. Saud</b>	<b>70</b> Method Validation for Analysis of Aroclor 1260 in Transformer Oil using Gas Chromatography – Electron Capture Detection  <b>J. J. Jeevanantham</b>
02.50 - 03.10 pm	<b>Discussion</b>		

**03.10 – 03.30 pm**      **Tea**

**03.00 – 05.00 pm**      **Poster Session**

Time	<i>Session 01</i>	<i>Session 04</i>	<i>Session 03</i>
	<b>Biodiversity and Ecological Health</b>	<b>Forest and Natural Resource Management/Wood Science, Wood and Non-Wood Industry</b>	<b>Waste Management and Pollution Control</b>
	Dr. Priyan Perera	Mr. Anura Sathurusinghe	Prof. Jagath Manatunge
03.30 - 03.40 pm	<b>66</b> Importance of Ecological Connectivity Establishment as an Effective Approach to Mitigate Human Elephant Conflict in Sri Lanka  <b>P. Ranasinghe</b>	<b>186</b> Evaluation of Growth Performance of Agarwood Producing Species under Three Shade Settings in Different Rubber Intercropping Systems  <b>T. Dilrukshi</b>	<b>207</b> An Effective Method to Detect Tributyltin by Gas Chromatography-Mass Spectrometry Using Solid-Phase Micro-Extraction  <b>K.R.V. Bandara</b>
03.40 - 03.50 pm	<b>73</b> Risk of <i>Aedes aegypti</i> Development of Breeding in Polluted Drainage Systems of Urban Cities of Sri Lanka  <b>P.K.G.K. Chandrasiri</b>	<b>77</b> Inventiveness towards Environmentally Friendly Solutions for Lignocellulosic Panel Products  <b>B.S. Mamatha</b>	<b>140</b> Investigation on Ensuring Non-Drinking Water Supply During Peak Demand; A Case Study Done at Madu Church in Sri Lanka  <b>H.R.L.C. Bandara</b>
03.50 - 04.00 pm	<b>100</b> A Novel in-Silico Driven Approach to Determine the Structure and Therapeutic Potential of Cystatin C from <i>Danio rerio</i>  <b>D. Perera</b>	<b>55</b> A Survey on Usage and Emerged Issues of <i>Kaya senegalensis</i> Timber Species in Kurunegala District in Sri Lanka.  <b>C.I. Motagedara Arachchi</b>	<b>96</b> Facile Synthesis of Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> Composite with Enhanced Magnetic and Photocatalytic Properties for Water Purification  <b>K. L. Wathsala</b>

04.00 - 04.10 pm	<b>132</b> Influencing Factors and Mechanism for Morphological Alterations of <i>Aponogeton crispus</i> and their Genetic Comparison at the Dediya Stream, Sri Lanka <b>K.S.U. Chandrasiri</b>	<b>165</b> Identifying the Strength Grade for Finger Jointed Timber Species According to BS 5268-2:2002 <b>C.K. Muthumala</b>	<b>210</b> Cyanotoxin Contamination in Human Urine in CKDu High Prevalence Padaviya and Low Prevalence Rajanganaya and Galnewa in Anuradhapura District, Sri Lanka <b>H.A.S.N. Abeysiri</b>
04.10 - 04.20 pm	<b>160</b> Presence of Phthalate Derivative in a Marine Soft Coral, <i>Carijoa riisei</i> <b>R.L. Weerasinghe</b>	<b>112</b> Evaluation the Authenticity of Wood Species in Sri Lankan Timber Market <b>V.R.A. Siriwardana</b>	<b>195</b> Potential of Phytoremediation Techniques to Improve the Quality of Reverse Osmosis Concentrate <b>Y.M.N.C. Yapa</b>
04.20 - 04.40 pm	<b>183</b> Floristic Survey of Meethirigala Forest Reserve in Gampaha District <b>J.D. Kalubowila</b>	<b>62</b> Antifungal Activities of selected Plant Extracts against Wood Rotting Fungi – A Challenge in Panel Wood Products <b>R. Shanbhag</b>	<b>209</b> Extraction of Extracellular Compounds from Freshwater Cyanobacterium <i>Oscillatoria</i> sp. and Screening their Antimicrobial Activity against Human Pathogenic Microbes <b>W.A.M.A. Wijesekara</b>
04.40 - 05.00 pm	<b>191</b> Preliminary Assessment of the Fish Diversity of Kande Dola; A Mountain Brook <b>K.V.D.H.R. Karawita</b>	<b>213</b> Evaluation of Structural Aspects of Timber Roof Designs in Sri Lanka <b>R.A.D.R.L. Rupasinghe</b>	
05.00 - 05.10 pm	<b>212</b> Chemical Evidences of <i>Schizoporella errata</i> for High Perseverance in Marine Environment: Cytotoxicity and Volatile Compound Analysis <b>R.L. Weerasinghe</b>	<b>52</b> Resourceful Utilisation of Wheat Straw into Value Added Composites <b>B.S. Mamatha</b>	
05.10 - 05.20 pm	<b>83</b> Composition Analysis of Selected Sri Lankan Seaweeds <b>M. Jayakody</b>	<b>60</b> Seasonal Changes of Soil Water Repellency in Pine and Eucalyptus Forest Soils in Up Country Sri Lanka <b>H.I.G.S. Piyaruwan</b>	
05.20 - 05.40 pm	<b>Discussion</b>		

**DAY 02: 24<sup>th</sup> NOVEMBER 2018**

Time	<i>Session 01</i>	<i>Session 05</i>	<i>Session 06</i>
	<b>Biodiversity and Ecological Health</b>	<b>Climate Change and Disaster Management/ Sustainable Land Use and Urban Development</b>	<b>Geology, Soils and Water Resource Management</b>
	Dr. Sudheera Ranwala	Prof. Saman Bandara	Mr. K.N Bandara
08.30 - 08.40 am	<b>7</b> Termite and Ecosystem Processes: A study from Western Ghats, South India  align="right"> <b>R. Shanbhag</b>	<b>133</b> Climate Change Impacts and Poverty: Impact of SAARC Countries in Last Decade  align="right"> <b>A. Perera</b>	<b>198</b> Assessment of the Phytoremediation Capacity from Natural Wetlands in Kundasale, Central Province in Sri Lanka  align="right"> <b>H.A.P. Dinethra</b>
08.40 - 08.50 am	<b>169</b> Effectiveness of <i>Aspergillus aculeatus</i> on Decolorization of Mixture of Two Different Textile Dye Classes  align="right"> <b>E.M.M.S. Ekanayake</b>	<b>103</b> Increasing the Food Availability by Reducing Post-Harvest Losses with Photo-Voltaic Power System in a Disaster  align="right"> <b>R.A.G.C.N.M. Nawarathna</b>	<b>203</b> A Preliminary Study on Rainfall Redistribution in a Secondary Lowland Tropical Forest in Yagirala Sri Lanka  align="right"> <b>C. Dassanayaka</b>
08.50 - 09.00 am	<b>53</b> Microhabitat Requirements and Utilization of <i>Cophotis ceylanica</i> in Cloud Forests in HPNP  align="right"> <b>L. Keerthirathna</b>	<b>105</b> Application of Crop Simulation Models as a Strategy for Climate Change Risk Assessment and Adaptation in Agricultural Systems  align="right"> <b>P.C. Wijekoon</b>	<b>39</b> Can Biofilm-Enriched Eppawala Rock Phosphate Replace the Use of Triple Super Phosphate in Rice Cultivation?  align="right"> <b>J.P.H.U. Jayaneththi</b>
09.00 - 09.10 am	<b>202</b> Identification of Efficient Propagation Method for <i>Dendrocalamus latiflorus</i> in Sri Lanka  align="right"> <b>C.M. Weerasingha</b>	<b>106</b> Impact of Climate Change on Selected Physiological Parameters of <i>Polypedates cruciger</i> (Common Hourglass Tree Frog)  align="right"> <b>M. Weeratunge</b>	<b>182</b> <i>Geobacillus</i> sp. SH - 1 Isolated from Thermal Springs of Mahaoya with Industrially Feasible Thermostable Alkaline Protease Activity  align="right"> <b>G.G.W. Nandane</b>
09.10 - 09.20 am	<b>144</b> Behavior Associated with Habitat Utilization of Rhino Horned Lizard ( <i>Ceratophora stoddartii</i> ) (Sauria: Agamidae) in Montane Cloud Forests of Sri Lanka  align="right"> <b>D. Jayasekara</b>	<b>199</b> The Impact of Climate Change Across Sri Lanka Using Dengue Incidence as an Indicator  align="right"> <b>T.G.S.L. Prakash</b>	<b>177</b> Characteristics of Leachate Infiltration through the Red Earth Profiles: A Laboratory Based Study  align="right"> <b>H. Gallage</b>

09.20 - 09.40 am	<b>57</b> Investigation of Chemical Composition and Antifungal Activity of Traditional Organic Liquid Fertilizer <b>B.D.M. Weediya</b>	<b>192</b> Urban Parks and Urban Gardening for Sustainable Urban Development and Conservation; A Case Study from Sri Lanka <b>H.T.A.R. Karunanada</b>	<b>189</b> Removal of the Methylene Blue in an Aqueous Solution Using Raw Laterite: Adsorption Studies <b>B.M. Gunathilake</b>
09.40 - 09.50 am	<b>166</b> Evaluation of the Antagonistic Effect of the Diethyl Ether Extracts of Local Plant Species on <i>Rigidoporus microporus</i> : the Causal Organism of White Root Disease of Rubber <b>M.K.R. Silva</b>	<b>32</b> Sustainable City Development and its Importance in the Sri Lankan Context: A Review <b>S.A.D.S.S. Maheepala</b>	<b>92</b> Comparison of Colorimetric and Ion Chromatographic Methods for Aqueous Fluoride Analysis <b>D.A.N. Fernando</b>
09.50 - 10.00 am	<b>110</b> Molecular Identification, DNA Barcoding and Determination of Genetic Relationship of Killifish ( <i>Aplacheilichthys</i> spp.) Present in Aththanagalu Oya, Sri Lanka <b>A.M.G.K. Athapaththu</b>	<b>139</b> A Baseline Study To Identify Efficient Plant Species Used For Roadside Green Facades In Urban Areas Based On Qualitative Judgment <b>W.C.M.S. Madhushanka</b>	<b>4</b> Analysis and Speciation of Drinking Water in Some Areas Prevailing Chronic Kidney Disease of Unknown Etiology (CKDu) in Sri Lanka <b>R.T. Perera</b>
10.00 - 10.10 am	<b>211</b> Invasive Behavior of <i>Schizoporella errata</i> on the Ecology of Native Fouling Community: Results from a Study using Experimental Test Panels <b>M.M.K.I. Marasinghe</b>	<b>187</b> Application of the City Biodiversity Index: A Sri Lankan Case Study <b>N.S. Amarasinghe</b>	<b>86</b> Development of Activated Iron Oxide Soil Pellets to Study the Filtering Efficiency of Fluoride Ions in Aqueous Fluoride Solutions <b>M. Jayarathne</b>
10.10 - 10.20 am	<b>35</b> Distribution of Freshwater Crabs in the Selected Eco-Tourism Sites of Libungan, North Cotabato, Philippines <b>R. Rampola</b>		<b>208</b> A Study of Water Quality in Groundwater and Surface Ponds in Jaffna District <b>I. Abinaiyan</b>
10.20 - 10.40 am	<b>Discussion</b>		

**10.45 - 11.00 am**

**Tea**



Time	Session 07	Session 08	Session 09
	Biodiversity and Ecological Health/Biomass and Sustainable Energy	Environmental Economics in Resource Management/Corporate Responsibility & Sustainable Tourism	Environmental Engineering and Green Technology
	Emeritus Prof. Anoja Wickramasinghe	Prof. S.M.C.U.P. Subasinghe	Prof. Mahesh Jayaweera
11.00 - 11.10 am	<b>172</b> Morphological Diversity Analysis of Some Sorghum ( <i>Sorghum bicolor</i> ) Germplasm Accessions Using Qualitative Markers <b>D.V.S. Kaluthanthri</b>	<b>120</b> Evaluation of Current Socio-Economic Status for Development of Water Supply and Sanitation in Rural Sector <b>B.K.A. Bellanthuduwa</b>	<b>174</b> Development of a Framework for a Gate-to-Gate Ecolabel for the Sri Lankan Apparel Industry <b>L. Ranasinghe</b>
11.10 - 11.20 am	<b>36</b> Anti-inflammatory Activity of Five Sri Lankan Marine Sponge Extracts; A Pilot Study <b>D.P.M. Silva</b>	<b>179</b> Shale and its Impact on Environment, Trade and Laws <b>M. Mallepalli</b>	<b>56</b> Fabrication of Nanofibrillated Cellulose (NFC) Based Composite Materials For Engineering Applications <b>K.D.H.N. Kahawita</b>
11.20 - 11.30 am	<b>99</b> Micro-Habitat Preferences of Litter-Dwelling Land Snail Communities along an Elevation Gradient in the Upper Catchment of Walawe Basin in Sri Lanka <b>S.J. Perera</b>	<b>205</b> Comparison of Household Carbon Footprint between Two Grama Niladhari Divisions in Sri Lanka <b>P. Madhushani</b>	<b>178</b> Investigation of the Indoor Environmental Quality (IEQ) in Lecture Theatres: A Sri Lankan Case Study <b>H. Rajapaksha</b>
11.30 - 11.40 am	<b>26</b> Variations in Thermal Performance across Populations of two Anuran Species from Different Geographical Regions in Sri Lanka <b>D.P.H. Algiriyage</b>	<b>206</b> Economic Value of Marine Ecosystems: A Review <b>C.T. Jayaratne</b>	<b>141</b> Effectiveness of Constructed Wetlands with Floating Macrophyte for Removal of Reverse Osmosis Rejects in Chronic Kidney Disease of unknown Etiology (CKDu) Affected Area in Wilgamuwa, Sri Lanka. <b>K. Ranathunga</b>
11.40 - 11.50 am	<b>176</b> Effect of Potassium Nitrate on Biomass and Lipid Yield of <i>Nannochloropsis</i> sp. for Biofuel Production <b>R.R. Weerasooriya</b>	<b>215</b> Estimation of Local Community and Global Externalities from Rice Processing Industry in Sri Lanka <b>G.N. Chandrasiri</b>	<b>111</b> Green Technology for Post-Harvest Pest Management: Potential of Three Citrus species as Natural Grain Protectants against Pulse Beetle, <i>Callosobruchus maculatus</i> (Fab.) [Coleoptera, Bruchida] <b>H.S. Harshani</b>

11.50 - 12.00 pm	<b>102</b> Densification of Tea Fibrous Waste as a Renewable Biomass Fuel  <b>W.T.R. Thathsarane</b>	<b>197</b> A Study on the Impacts of ISO 14001:2015 Certification on Organizational Environmental Performance  <b>I.H.S.K. Weerasinghe</b>	<b>93</b> Development of a Dye Sensitized Strip to Assess Fluoride Levels in Drinking Water  <b>V. Samarasiri</b>
12.00 - 12.10pm	<b>88</b> Solid-like Electrolyte Based on Cellulosic Biomass Materials for Cost Effective and Eco-Friendly Lithium Ion Batteries Function as a Sustainable Energy Source  <b>D.K.C. Mendis</b>	<b>188</b> A Preliminary Study on the Impacts of Recreational Disturbances on Selected Water-Birds in Bundala Ramsar Wetland  <b>M.M.D. Shashikala</b>	<b>22</b> Determination of Geosmin and 2-Methylisoborneol Removal at Water Treatment Processes  <b>G.S.S. Ganegoda</b>
12.10 - 12.20 pm	<b>200</b> Evaluation of Energy Properties of Nataw ( <i>Xylopi</i> <i>parviflora</i> ), a Lesser Known Species as a Dry Matter Energy Source for Industrial Boilers  <b>W.D.S.R. Leelarathna</b>	<b>184</b> Study of the Ranging Behaviour Pattern of Two Male Elephants of the Sinharaja World Heritage Forest with Reference to Human-Elephant conflict  <b>K. Ranukkanda</b>	<b>109</b> Isolation of Cellulose from Selected Sri Lankan Rice Husks in Environmental Friendly Procedure  <b>A.V.N. Swarangani</b>
12.20 - 12.40 pm	<b>Discussion</b>		

**12.45 - 1.30 pm      Lunch**

<b>Concluding Session - Hall A (Mandarine)</b>	
02.00 - 2.30pm	Outcome of the 23 <sup>rd</sup> International Symposium, <i>Snr. Prof. Hemanthi Ranasinghe</i> , Dean, Faculty of Graduate Studies, University of Sri Jayewardenepura
02.30 - 3.00 pm	Final Remarks: <i>Prof. Upul Subasinghe</i> , (Symposium Chair), Head, Department of Forestry and Environmental Science, University of Sri Jayewardenepura

**03.00 - 03.30 pm      Tea**

**03..30 pm              END OF THE SYMPOSIUM**