

## CONTENTS

Contents.....	i
Presidential Address.....	v
Felicitation Speech.....	ix
<b><i>Abstracts of papers</i></b>	
Phylogenetic relationships in selected monocots and basal angiosperms: morphometrics and flavonoid distribution.....	1
<b><i>A. I. S. Priyadarshan and S. P. Senanayake</i></b>	
Floral and vegetative morphometrics and phenolic contents of selected <i>Piper nigrum</i> L. Cultivars: correlation with taxonomy.....	2
<b><i>K. B. S. S. Fernando, S. P. Senanayake and A. L. S. Dharmaparakrama</i></b>	
Evaluation of growth of <i>Rhizophora mucronata</i> in relation to water and soil quality in selected sites in Kalpitiya, Puttalam Lagoon, North-west Sri Lanka.....	3
<b><i>Ranasinghe, D.M.S.H.K., Senadheera, D.K.L.K. , Wahala, W.M.P.S. ,Dharmasoma, I , Wijesinghe, J and Kapurusinghe, T</i></b>	
Histochemical aspects and <i>in-vitro</i> germination of pollen of <i>Rhizophora</i> species.....	4
<b><i>D T Gunawardene and R M C S Ratnayake</i></b>	
Lupin ( <i>lupinus</i> spp.): a new cash crop for Sri Lanka.....	5
<b><i>S. R. Weerakoon and S. Somaratne</i></b>	
SSR markers revealed highly homozygous tall coconut accessions from Sri Lanka.....	6
<b><i>Dasanayaka PN and Everard JM DT</i></b>	

Antiglycation activity of *Salacia reticulata* l. (Kothala himbutu) root, stem,  
leaf, twig and fruit extracts..... 7

**G.A.S. Premakumara, P. Ranasinghe and W.K.S.M. Abeysekera**

Comparison of physico-chemical parameters and berberine content in  
*Berberis ceylanica* and *Berberis aristata* (Daruharidra)..... 8

**T. K. Nawarathna , G. A. S. Premakumara L. D. A. M. Arawwawala and  
P. Marasinghe**

Evaluation of effects of different organic amendments on growth of rice (*Oryza sativa* l.)  
in North-western Province of Sri Lanka..... 9

**R M C S Ratnayake**

An investigation of soil transmitted intestinal parasitic stages in soil and human  
populations in three sites of Sedawatta in Colombo Municipal Area..... 1

**T R G N Fernando, C Godigamuwa, P V R J Rajapakse, G Premawansa and S Premawansa**

An investigation of cercarial dermatitis causing furcocercous cercariae in snail  
intermediate hosts in the Anavilundawa Sanctuary of Sri Lanka..... 11

**R H K Wimalasekara, R P V J Rajapakse and W S Premawansa**

An investigation of the antimalarial activity of *Artemisia vulgaris* leaf extract in  
a rodent malarial model..... 12

**K.S.W. Kodippili, W.D. Ratnasooriya G.A.S. Premakumara, P.V. Udagama-Randeniya**

Thrip infestations on eggplants ( <i>Solanum melongena</i> ) in Ruhunu-Ridiyagama in Southern Sri Lanka.....	13
<b><i>W.T.S.Dammini Premachandra, D.P.C.Senarath and W.G. Anoma Gamage</i></b>	
Breeding of the endangered seahorse, <i>Hippocampus kuda</i> and constraints for larval development under captivity.....	14
<b><i>R.A.P.G Ranasinghe and U.P.K.Epa</i></b>	
Effects of different land use patterns on water quality along Dambagastalawa oya in Ambewela – Talawakelle area.....	15
<b><i>M. Kanakarathna and W.N.A. Jayatunga</i></b>	
Determination of toxic cyanobacteria dominance using Important Value Index (IVI) in some selected water bodies in Sri Lanka.....	16
<b><i>S. S. Sethunge and P. M. Manage</i></b>	
Effects of cadmium on the haematological parameters of the mozambique tilapia, <i>Oreochromis mossambicus</i> (peters, 1852).....	17
<b><i>Ranatunga, R.A.A.R.A., Wijesinghe M. R. , Ratnasooriya, W. D. and Wijesekera, R.</i></b>	
Effects of cadmium on larvae of the common Asian Toad <i>Duttaphrynus melanostictus</i> (schneider, 1799); evidence from empirical trials.....	18
<b><i>Wijesinghe M. R., Ranatunge, R.A.A.R. and Ratnasooriya, W. D.</i></b>	
A pilot study on the impacts of selected heavy metals on the immune system and reproductive biology of <i>Euphlyctis hexadactylus</i> (ranidae: raninae) under natural conditions.....	19
<b><i>W A N Madushani, Deepthi D Wickramasinghe and Preethi Udagama-Randeniya</i></b>	

Carbofuran-induced histological alterations in <i>Duttaphrynus melanostictus</i> (schneider, 1799) tadpoles.....	20
<b><i>Jayatillake, B.A.D.M.C., Wijesinghe, M.R and Ratnassoriya, W.D.</i></b>	
Growth and reproductive biology of <i>Gerres abbreviates</i> (bleaker, 1850) (perciformes:gerredae) in the Jaffna Lagoon, Sri Lanka.....	21
<b><i>Nithiyakala Kumaralingha, Krishnarajah. S.R and Venkatesh Luckshman, W.</i></b>	
Niche occupancy of the Rufous babbler <i>Turdoides rufescens</i> (blyth, 1847) in mixed-species feeding flocks of Sinharaja World Heritage Site.....	22
<b><i>Perera J. N. and Kotagama S. W.</i></b>	
Food resource partitioning among three kingfisher species at the Bellanwilla-Attidiya wetland.....	23
<b><i>Bandara, S. P. J., Gunasekara, I., Sudasinghe, H. and Wijesinghe, M. R.</i></b>	
Stakeholders, management problems and prospects for collaborative management of the Maduru Oya National Park.....	24
<b><i>Wedage, Irushinie R., Muthunayake T. B. S and Dayawansa P. N.</i></b>	