CONTENTS

	Page
Preface	vii
Message from the Vice Chancellor	viii
Technical Session I	
රුතුණ විශ්වවිදුපාලයේ අනධාපයන කායවී මණ්ඩලයේ සේවක භවතුන් වැටුප් රහිත නිවාඩු ලබා ගැනීමට බලපෑ හේතු අධාපයනය කිරීම සහ ඒවා පාලනය කර ගැනීමට ගත හැකි විකල්ප කිුිියාමාහී පිළිබඳ අධාපයනයක් වච් පී එන් දේවිකා, ප ඒ පී. රේණුක, රංජිත් සේනාරත්න	1
Inflation and economic growth: a case study of Sri Lanka W I C S Chandika Gunasinghe	9
Technical Session II	
Effect of feeding regime on growth, digestibility and excretion of purine derivatives in goats R A U J Marapana and Thakshala Seresinhe	23
Design of a two-phase digester system to optimize biogasification of rice straw. S Wijetunga, K D N Weerasinghe, N E Punchihewa and G Y Jayasinghe	27
Selection of the raw material for efficient distillation of cinnamon leaf oil C P Rupasinghe, K D N Weerasinghe and K M S Kodikara	33
Screening of papaya cultivars against anthracnose disease caused by Colletotrichum gloeosporioides (Penz.) Penz. and Sacc. K L Wasantha Kumara and R D Rawal	41
The response of Napier-Clone 13 (Pennisetum purpureum) to three types of organic manure grown in a simulated sub-canopy environment D Senaratne, Thakshala Seresinhe and V L R Gamage	45
Impact of human intervention on soil degradation in the Nilwala Project B C Walpola, S D Wanniarachchi, K K I U Arunakumara and U Wickramasinghe	50
Micropropagation of sugarcane (Saccharum officinarum L.) through auxiliary buds P S Warakagoda, S Subasinghe, D L C Kumari and T S Neththikumara	55

Development of a cost-effective basal medium for in-vitro propagation of Anthurium (Anthurium andreanum) as an alternative for Murushige and Skoog (MS) medium K M C Fernando and S Subasinghe	61
Effects of supplementation of diets containing high levels of rice bran with microbial phytase on the performance of broiler chicken N S B M Atapattu and V L R Gamage	66
Effect of temperature-time combination and carbon dioxide concentration on inactivation of microorganisms in chilled pasteurized cow milk. N M N K Narayana and K F S T Silva	72
An improved technique of rainfall analysis: a case study in Mapalana catchment C M Navarathne, K D N Weerasinghe and C Rathnayake	78
Technical Session III	
Export market of lobsters in Sri Lanka with special reference to slipper lobsters D N Koralagama, O Amarasinghe and D S Jayakody	84
Production of Bael fruit (Aegle marmelos) pulp based intermediate moisture product N D Liyanadurage, V Wijeratne and T D W Siriwardene	91
Comparative study of wetting patterns of drip emitters developed for micro irrigation systems W M K Peries, C P Gunasena and C M Navaratne	98
Technical Session IV	
Oocyte cryopreservation – a cost effective method D M Y Amarasinghe, T R Weerasooriya and I M R Goonewardene	103
Long term zinc supplementation in improving growth of adolescents: zinc alone or with iron? Manjula Hettiarachi, Chandrani Liyanage, P H N Suranga and L A S Dharmapriya,	111
Participatory approach of competitive advantage (PACA) for local economic development in Sri Lanka: the case of the coir industry in Southern Sri Lanka G T Wasantha Sriyani	119
Scrambled merchandising to upgrade the retailing sector in Sri Lanka A C Karunaratna and H S C Perera	131

Co-branding and quality judgments: exploring the impact of co-branding on quality judgment C V Rathnayake and H S C Perera	143
Technical Session V	
Mosquito repellent compounds from the seeds of Nigella sativa L (Black cumin) Vajira P Bulugahapitiya and P T Kirinde Arachchige	151
Infestations of root-knot nematodes, <i>Meloidogyne</i> species, associated with selected vegetable crops in Matara District in Sri Lanka W T S Dammini Premachandra, A H P Lasanthi, K H M A Deepananda and R C Jayasinghe	159
Biology and control of <i>Liposcelis bostrychophila</i> (Badonnel) (Insecta: Psocoptra) a newly recorded insect pest on herbal materials prepared for the export market H C E Wegiriya, B A N Indika and C Edirisinghe	164
Influence of N-nitrate pollutant on development of endemic common arboreal frog <i>Polypedates cruciger</i> (Amphibia: Rhacophoridae) B M A R Balangoda, K H M A Deepananda and H C E Wegiriya	170
Preliminary investigation on anthropogenic impacts on the water quality and biota of "Madola" stream, Hiyare, Galle. W A H P Guruge, N J de S Amaresinhe and K G Rasika Dharmasiri	177
Metal accumulation and its spatio-temporal variation in Negombo and Rekawa lagoons of Sri Lanka. H B Asanthi, E Gomez, C Aliaume, G Lasserre, C Casellas and P R T Cumaranatunga	187
Dechlorination of carbon tetrachloride by ferrous iron associated with iron oxide nano particles R A Maithreepala and R A Doong	197
Poster Session	
Effects of dietary physical form on performance and water intake of broiler chicken P K Lal and N S B M Atapattu	206
Validation of infrared moisture meter to determine moisture contents of poultry litter materials C Rathnayaka, N S B M Atapattu and K P Wickramasinghe	211
Water consumption pattern of laying hens under hot humid conditions N S B M Atapattu and V L G Gamage	214

Soil seed bank dynamics of selected wet and dry forests in Southern Sri Lanka MKTK Amarasinghe, PA Sunil and R Senaratne Relationship between the leaders' behaviour and employee morale of the private sector banking organizations in Sri Lanka. GT Wasantha Sriyani	221