

ISMFM&AP- 2019 -Technical sessions(Tentative Schedule)

5<sup>th</sup>September, 2019, Institute for Agro-Technology & Rural Science, University of Colombo

ISMFM&AP- 2019		
Session 1A- Biodiversity, conservation and sustainable development		
Venue: 1		
Time	Abs	Chair person of the session- Prof. Dr.SN Ghosh
		Title and authors
9.30-9.45	32	<b>Sisnu (<i>Diplaziumesculentum</i>) and ningro (<i>Uritcadioca</i>)- An underutilized herbaceous plant of Sikkim</b> <i>Bhutia K C, Chatterjee R, Bhutia SO, Pariari A – Lead Paper</i>
9.45-10.00	6	<b>Status of natural populations of Tree Bean (<i>Parkiatimoriana</i>) in North East India</b> <i>Lyngdoh N, Ravikanth G, MBishwapati Devi, Hazarika, BN</i>
10.00-10.15	5	<b>Role of Botanic Garden in Forest Conservation and Restoration in Bangladesh</b> <i>Md. MustafizurRahman, Md. Rishad Abdullah and Md. Harun-or-Rashid</i>
10.15-10.30	45	<b>Tamarind (<i>Tamarindusindica</i>) for well-being and sustainable development of farming system</b> <i>KG Ketipearachchi, KMS Hasanthi and RHGB Prabhashini</i>
10.30-10.45	62	Morphological Characterization of Velvet apple ( <i>Diospyrosdiscolor</i> Willd.) Germplasm of Bangladesh <i>MR Haque, MM Hossain and MA Rahim</i>
10.45-11.00	67	Medicinal and aromatic plant genetic resources of Bangladesh and their conservation at the Botanical Garden, Bangladesh Agricultural University <i>A.K.M. GolamSarwar</i>

ISMFM&AP- 2019		
Session 1B- Crop Production and Protection		
Venue: 2		
Time	Abs	Chair person of the session- Prof.Dr.R. Chatterjee
		Title and authors
9.30-9.45	35	<b>Variation in Leaf Temperature at Different Stages of Growth of Brinjal Crop</b> <i>Ranjit Kumar Biswas, Nazmin Sultana, Uddipta Ghosh – Lead paper</i>
9.45-10.00	8	<b>Growth and yield performances of seed propagated <i>Solanum melongena</i> var. insanum (Elabatu) plants as affected by polythene mulching and drip irrigation</b> <i>TGB Dhanushka, S Subasinghe, NP Vidanapathirana, BP Siriwardena</i>
10.00-10.15	11	<b>Effect of different bio fertilizers on disease suppression, growth and yield of patchouli (<i>Pogostemoncablin</i>(blanco) benth. under field conditions</b> <i>AP Wijethunga, S Subasinghe, NP Ranathunge and HKMS Kumarasinghe</i>
10.15-10.30	40	<b>Yield improvement of <i>Momordicadioica</i> (Thumbakarawila) as affected by application of K fertilizers and plant growth regulators</b> <i>Nawarathna SL, Subasinghe S, Vidanapathirana NP and Kumarasinghe HKKS</i>
10.30-10.45	7	<b>Growth of eggplant (<i>Solanum melongena</i>) as affected by application of pyroligneous acids produced from different wood species</b> <i>B P Siriwardena, S Subasinghe, NP Vidanapathirana, TGB Dhanushka, HKMSKumarasingha</i>
10.45-11.00	55	<b>Study on root knot nematode damage on <i>Alternantera sessile</i> as affected by application of selected botanical extracts</b> <i>RPP Dharmasiri, UD Belpagodagamage and S Subasinhe</i>

ISMFM&AP- 2019		
Session 1C- Propagation and nursery management		
Venue: 3		
Time	Abs	<i>Chair person of the session- Prof. R. Senaratne</i>
		Title and authors
9.30-9.45	14	<b>Improvement in seed production of onion: a non-conventional medicinal crop</b> <i>A K Basu, TK Maity, Debasish Manna, AntaraRakshit, D Pradhan, Santu Nandi – Lead paper</i>
9.45-10.00	15	<b>Morphological characterization of <i>Terminalia chebula</i> (Aralu) and their propagation techniques</b> <i>NilukaNakandalage, De Silva MA, Priyadarshani HLI, Kumarasinghe HKMS, Subasinghe S</i>
10.00-10.15	17	<b>Maturity stage &amp; different bio-fertilizers on propagation of <i>Bauhinia kockiana</i>. korth through stem cuttings in low country west zone, Sri Lanka.</b> <i>Ambagaspitiya WUL, Nawarathna SL, Yapa PI, Krishnarajah SA</i>
10.15-10.30	23	<b>In-vitro Shoot regeneration of <i>Pterocarpus marsupium</i> (Gammalu)</b> <i>Silva LNS, Perera PCD, Sudarshanee Geekiyanage and Dahanayake Nilanthi</i>
10.30-10.45	25	<b>In Vitro Propagation of a Valuable Medicinal Plant, <i>Plectranthusamboinicus</i></b> <i>DLCK Fonseka, WWUI Wickramaarachchi and CD Situge</i>
10.45-11.00	39	<b>Growth of <i>Momordica dioica</i> (Thumbakarawila) male plant cuttings under different potting mediums in their nursery stage</b> <i>Nawarathna SL, Subasinghe S, Vidanapathirana NP and Kumarasinghe HKKS</i>
11.00-11.15	48	<b>Variation of shoot regeneration capacity of cuttings of selected <i>Cinnamomum verum</i> genotypes</b> <i>MR Prathibhani, Rumana Azad, RAAK Ranawake, Shamila Abeynayake, and Sudarshanee Geekiyanage</i>

#### 11.00-11.30-TEA

ISMFM&AP- 2019		
Session 2A- Natural products		
Venue: 1		
Time	Abs	<i>Chair person of the session: Prof. Dr. Md. Solaiman Ali Fakir</i>
		Title and authors
11.30-11.45	13	<b>Biofilms made from ash plantain flour as a function of Aloe vera gel incorporation: Physicochemical and structural characterization</b> <i>L Asoka Panamgama and HMDW Herath - Lead paper</i>
11.45-12.00	3	<b>Antibacterial activity of silver nano-particles produce from <i>Glycyrhizinglabra</i> extract</b> <i>Asthana Monika, Kumar Avnish</i>
12.00-12.15	28	<b>Medicinally valued Eco-friendly coconut shell lunch box and its comparative sustainability</b> <i>Lakmali Pathirana, RHSK de Silva, WAGayan, Manisha Lakmani, WCRuwansiri</i>
12.15-12.30	29	<b>Development of novel fairness oil formulated from selected medicinal plants</b> <i>AY Bimalsha, ND Kodithuwakku</i>
12.30-12.45	44	<b>Cured <i>Heliconiabihai</i> (Parrot's beak) an environmentally friendly bio food wrapper</b> <i>SSWeerasinghe and Madushani WGC</i>
12.45-1.00	57	<b>Potential of using Aloe vera gel for inducing rooting of stem cuttings: A concept paper</b> <i>KMC Fernando and HIGK Anuruddi</i>

ISMFM&AP- 2019		
Session 2B- Food and Nutrition		
Venue: 2		
Time	Abs	Chair person of the session- Prof.VajiraBulugahapitiya
		Title and authors
11.30-11.45	27	<b>Formulation of healthy herbal valued nutritional biscuit incorporating turmeric as main ingredient</b> <i>LakmaliPathirana-Lead paper</i>
11.45-12.00	18	<b>Underutilized crops as a source for future food and nutrient security</b> <i>NilukaNakandalage and RHGB Prabhashini</i>
12.00-12.15	41	<b>Nutritional and Medicinal Properties of Veralu (<i>Elaeocarpusserratus</i>): an underutilized crop in Sri Lanka</b> <i>JHTG Kavindya, PCD Pereraand RHGB Prabhashini</i>
12.15-12.30	50	<b>Overview of Turmeric (<i>Curcuma longa</i>); Composition, usage, and cultivation in Sri Lanka.</b> <i>MGP Sankalani and MKDK Piyaratne</i>
12.30-12.45	53	<b>Comparison of Nutritional and Post Harvest Quality of Salad Cucumber (<i>CucumisSativus</i>) Grown in conventional and IoT Based Automated Protected Houses</b> <i>DS Ranaweera, HKMS Kumarasinghe, PLN Lakshman, KKL B Adikaram and CharithaRathwatta Jr.</i>
1.00-1.15	54	<b>Pack to Pan with Karapincha (<i>Murrayakoenigii</i>) porridge</b> <i>Madushani WGC, NLUdugamasooriya and SSWeerasinghe</i>

ISMFM&AP- 2019		
Session 2C- Production of secondary metabolites and biotechnology		
Venue: 3		
Time	Abs	Chair person of the session- Prof. Dr.MA Rahim
		Title and authors
11.30-11.45	16	<b>Scientific investigation of <i>Dialiumovoideumthwaites</i> (Gal siyambala) leaves for its phytochemicals and anti-oxidant properties</b> <i>Bulugahapitiya VP, Rathnaweera TN, Manawadu HC – Lead Paper</i>
11.45-12.00	2	<b>Antioxidant activity of specific medicinal plant extracts</b> <i>GiogiSharmila, Asthana Monika, Kumar Avnish</i>
12.00-12.15	3	<b>Antibacterial activity of silver nano-particles produce from <i>Glycyrhizinglabra</i> extract</b> <i>Asthana Monika, Kumar Avnish</i>
12.15-12.30	1	<b>Antioxidant and antibacterial activity of <i>Glycyrhizaglabra</i></b> <i>Kumar Avnish, Asthana Monika, Singh Preeti, KatochMeenu, DuttPrabhu, AmdekarSarika, GubrelayUdita, and Sharma Rajendra</i>
12.30-12.45	21	<b>Antioxidant Activity of the Medicinal Plants and Underutilized Fruits in Sri Lanka: A Mini Review</b> <i>DananjaliGamage, PrabuddhaDehigaspitiya and NilanthiDahanayaka</i>
1.00-1.15	43	<b>Review on Bioactive Components and Pharmacological Actions of <i>Gnidiaglauca</i> (Nahapatta)</b> <i>KGKM Wickramasinge, NilukaNakandalage</i>

1.00-2.00 pm -Lunch

ISMFM&AP- 2019		
Session 3A- Innovative technologies		
Venue: 1		
Time	Abs	Chair person of the session- Prof.Dr.A.K. Basu
		Title and authors
2.00-2.15	12	<b>Morpho-molecular characterization of Drumstick (<i>Moringaoleifera</i>)-A miracle medicinal plant</b> <i>M A Rahim, MS. Nishat and M Shahidul Islam-Lead paper</i>
2.15-2.30	4	<b>Natural Products and Drug-designing for Diabetes</b> <i>Pragya Tiwari</i>
2.30-2.45	30	<b>Web-GIS application for Managing Medicinal Plant Data: A Case Study in Sri Lanka</b> <i>LW Gamage, UI Samarawickrama</i>
2.45-3.00	37	<b>Effect of gamma radiation on survival rate of <i>Allamandacathartica</i> – An indigenous medicinal plant</b> <i>LM Rifnas , NP Vidanapathirana, TD Silva, N Dahanayake, SS Weerasinghe, S Subasinghe</i>
3.00-3.15	38	<b>Comparative Assessment of Sulfur Treatment and Ozone treatment on Sterilization of Cinnamon Quills</b> <i>MGS Darshani and CP Rupasinghe</i>
3.15-3.30	42	<b>Technological approach to extract Plumbagin from <i>Plumbagoindica</i> (Rathnitul)</b> <i>Ukwattage M I, Weerasinghe KDN, Hapuarachchi SD</i>

ISMFM&AP- 2019		
Session 3B- Reviews on medicinal plants		
Venue: 2		
Time	Abs	Chairperson of the session:Prof K.L.Wasantha Kumara
		Title and authors
2.00-2.15	10	<b>Medicinal plants-Friend of mankind– Lead paper</b> <i>SNGhosh</i>
2.15-2.30	19	<b>A reviewof medicinal properties of <i>Calotropisgigantea</i> (Wara)</b> <i>LNS Silva, PCD Pereaand NilanthiDahanayake</i>
2.30-2.45	33	<b>Medicinal properties and Morphology of <i>Rukattana</i>(<i>Allamandacatharitica</i>) –A Review</b> <i>Madushani WGC, Silva TD, Geekiyanage S,Subasinghe S,Weerasinghe SS and Vidanapathirana NP</i>
2.45-3.00	36	<b>A review of Medicinal properties and Morphology of <i>Catharanthusroseus</i> (Mini mal)</b> <i>Madushani WGC, Silva TD, Geekiyanage S, Weerasinghe SS, Vidanapathirana NP, Subasinghe S</i>
3.00-3.15	51	<b>Evaluation of Usage and Economic Importance of Lemongrass (<i>Cymbopoganflexuosus</i>, <i>Cymbopogon citrates</i>)</b> <i>KSNDayananda, MKDK Piyaratne</i>
3.15-3.30	56	<b>Medicinal Plant Diversity in Home Gardens in Sri Lanka: A mini review</b> <i>HIGK Anuruddi and KMC Fernando</i>

ISMFM&AP- 2019		
Session 3C- Reviews on Miner Fruit crops		
Venue: 3		
Time	Abs	Chairperson of the session: Prof. KKIU Aruna Kumara
		Title and authors
2.00-2.15	66	<b>Nutrient composition and antioxidant capacity of seven minor fruits of Bangladesh</b> <i>M Akter, MNUddin and MSA Fakir –Lead Paper</i>
2.15-2.30	31	<b>Medicinal Potential of Heen Dan (<i>Syzygiumcaryophyllatum</i> (L.)) as an Underutilized Fruit</b> <i>Jayasinghe JATU and Perera PCD</i>
2.30-2.45	34	<b>Global Economic Importance and Environmental Potential of Mulberry Cultivation in Sri Lanka</b> <i>Yapa YMSM and Perera PCD</i>
2.45-3.00	46	<b>The Potential Role of <i>Phyllanthusemblica</i> as a future Crop in Sri Lanka</b> <i>KMS Hasanathi, KG Ketipearachchi, and RHGB Prabhashini</i>
3.00-3.15	49	<b>Fruit physico-chemical characterization of some wood apple (<i>Limoniaacidissima</i> L. ) genotypes of semi-arid Lateritic tract of Eastern India</b> <i>Prahlad Deb and BuddhishatyaDowarah</i>
3.15-3.30	26	<b>Perception of Final Year Undergraduate Students on Underutilized Fruits</b> <i>PCD Perera, WWUI Wickramaarachchi and N Dahanayake</i>

3.30-4.00 pm –Tea

ISMFM&AP- 2019		
Poster Session		
Venue: 4		
Time	Abs	Title and authors
9.30-1.00	20	<b>A Review on Future Potential of Shoreaspp. for Agroforestry</b> <i>WWUI Wickramaarachchi, PCD Perera and NilanthiDahanayake</i>
9.30-.1.00	24	<b>Potentiality of introduce <i>Phyllanthusemblica</i> (Nelli/Amla)</b> <i>N Dahanayake, NayanaShiromi Silva and PCD Perera</i>
9.30-1.00	52	<b>Recap of Nutmeg (<i>Myristicafragrans</i>) in terms of Morphological Characteristics, Uses and Cultivation</b> <i>AMI Kavindi and MKDK Piyaratne</i>
9.30-1.00	58	<b>Allelopathic effect of <i>Cassia tora</i> leaf extract on seed germination of selected crops</b> <i>WHNYHewage, DMRADissanayake, NPVidanapathirana, SSubasinghe</i>
9.30-1.00	59	<b>Allelopathic effect of <i>Calotropisgigantea</i> leaf extract on seed germination of selected crops.</b> <i>DMRADissanayake, WHNYHewage, NPVidanapathirana, SSubasinghe</i>
9.30-.1.00	60	<b>Nutritional Value and Therapeutic Uses of <i>Pouteriacampechiana</i> (Lawalu) in Sri Lanka</b> <i>UNS Sharma</i>
9.30-1.00	61	<b>Effect of seed storage, seed treatment and potting media on seed germination and seedling growth of Nutmeg ( <i>Myristica fragrance</i>)</b> <i>MKTK Amarasinghe and HKMS Kumarasinghe</i>
9.30-1.00	63	<b>Medicinal uses and pharmacological properties of Aloe vera (<i>Aloe barbadensis</i> miller)</b> <i>ND Jayamuni</i>
9.30-.1.00	64	<b>Medicinal Value of KothalaHimbutu (<i>Salaciareticulatespp</i>)grown in Sri Lanka.</b> <i>ADR Karunarathne</i>
9.30-.1.00	65	<b>Medicinal and Economical values of Bin kohomba (<i>Munroniapinnata</i>) in Sri Lanka</b> <b>WAAM Bandara</b>

6.00 pm onwards symposium dinner