

Overall Plan of iPURSE 2025 Conference

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Oral Presentations Schedule

Track 1: Innovations in Healthcare and Well-being

Day 1 (2.00 pm to 5:00 pm) SESSION 1 - TRACK 1 - ROOM A1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	25	Meta-Analysis of Local Tetracycline Delivery Devices as Adjuncts to Non-Surgical Periodontal Therapy
2.10-2.20	78	Antibacterial activity of liquid soap enriched with Sargassum crassifolium and Caulerpa racemosa
2.20-2.30	111	Antioxidant Potential of Root Extracts of Psidium guajava and Molecular Docking Analysis.
2.30-2.40	126	In vitro and In silico Evaluation of Antioxidant Potential and Phytochemical Quantification of Plectranthus amboinicus (Lour.) Spreng Roots
2.40-2.50	280	Evaluation Of The Toxicity Of An Aqueous Plant Extract Of Argyreia populifolia (Girithilla) Using Brine Shrimp Lethality Bioassay
2.50-3.00	352	Ceylon Cinnamon Bark Oil Inhibits In Vitro Growth of Prototheca zopfii Isolated from Four Dogs Diagnosed with Disseminated Protothecosis
3.00-3.10	488	Phytochemical Analysis and Antioxidant, Antidiabetic, Anti-Obesity Properties of Latex of Garcinia morella
3.10-3.30		Q&A
3.30-3.40	508	Green synthesis of iron oxy-hydroxide nanoparticles from Buttala magnetite for removing multivalent ions from contaminated drinking water
3.40-3.50	534	in-silico evaluation of the repellent efficacy of citrus terpenoids against Aedes albopictus OBP 1 protein using molecular docking techniques
3.50-4.00	543	Pancreatic Lipase Enzyme Inhibitory Potential of O-alkylated Garcinol Derivatives
4.00-4.10	572	Antibacterial Activity of Eugenol Derivatives against Streptococcus mutans
4.10-4.20	629	In Vitro Anti-Inflammatory Activity of Guduchyadi Taila and Its Individual Ingredients
4.20-4.30	636	Antibacterial Effects of Natural Cinnamon Leaf Oil and Clove Oil Compared to Eugenol against Streptococcus mutans
4.30-5.00		Q&A
Day 1 (2.00 pm to 5:00 pm) SESSION 1 - TRACK 1 - ROOM A2 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	250	Bone Mineral Density Values in Sri Lankan Adults: Establishing Reference Standards for the Hip and Lumbar Spine
2.10-2.20	255	Evaluation of the Accuracy of Initial Management of Acute Traumatic Dental Injuries in Adherence to International Guidelines of Patients presenting to the Department of Restorative Dentistry, Faculty of Dental Sciences, University of Peradeniya
2.20-2.30	328	AI-Driven Image Processing for Early Detection of Oral Cancer: Current Advances and Future Directions
2.30-2.40	361	Regional Variations of Sources of Information and Levels of Knowledge on Sexual Intercourse During Pregnancy in Puttalam District, Sri Lanka
2.40-2.50	362	Descriptive Comparative Study of Grip Strength in a Group of People with Frozen Shoulder - A Hospital-Based Study in Sri Lanka
2.50-3.00	369	Comparative Clinicopathological Analysis of 39 Cases of Oral Focal Mucinosiis with Published Cases in the Literature
3.00-3.10	372	Evaluating Video-based Patient Education as a Tool for Improving Oral Health Knowledge
3.10-3.30		Q&A
3.30-3.40	381	Evaluation of Pyriform Aperture Morphometric Measurements in Sex Determination Among Sri Lankan Adult Population Using Computed Tomography
3.40-3.50	382	Nurses' Perception and Practical Approaches in Using Communication Skills to Deliver Bad News
3.50-4.00	399	Knowledge, Attitude, And Practice On First Aid And Safety Measures Regarding Sports-Related Injuries Among Sportsmen And Women In University Of Peradeniya, Sri Lanka
4.00-4.10	403	Assessment of Cardiac Autonomic Function in Young Adults with a Positive Family History of Hypertension
4.10-4.20	410	Consumer Health Informatics Challenges in Peradeniya Teaching Hospital in Central Province Sri Lanka
4.20-4.30	432	Assessment of Anthropometric Measurements and Dietary Patterns in Relation to Post-menopausal Stages among Post-Menopausal Women Visiting Peradeniya Teaching Hospital: A Preliminary Cross-Sectional Study
4.30-5.00		Q&A

	Day 2 (9.30 am to 12.30 pm) SESSION 2 - TRACK 1 - ROOM A1 (ORAL PRESENTATIONS)		
	Session Chair		
	Co-chair		
	TIME	ABSTRACT ID	TITLE
	9.30-9.40	44	Nasal Colonization with Methicillin-Resistant Staphylococci in Adult Patients Undergoing Dialysis at Teaching Hospital Peradeniya
	9.40-9.50	172	Identification of Coronaviruses in Bat Excreta in a Selected Semi-urban Area in the Kandy District of Sri Lanka
	9.50-10.00	277	Analysis of the Presence of Pathogenic Bacteria on the Hand Touch Surfaces in Public Buses at the Colombo Central Bus Station, Sri Lanka
	10.00-10.10	318	Molecular Identification of c, e, and f Serotypes of Streptococcus mutans in a Cohort of Children with Early Childhood Caries in Sri Lanka.
	10.10-10.20	379	Molecular Identification of Candida albicans Genotypes in Dental Biofilms of Children with Early Childhood Caries attending the Dental Teaching Hospital, Peradeniya, Sri Lanka
	10.20-10.30	409	Oral Carriage And Virulence Enzyme Production Of Candida Species Isolated From Children With And Without Dental Caries.
	10.30-10.40	413	Awareness on Nipah Virus Infection: A Cross-sectional Survey in Sri Lanka
	10.40-11.00		Q&A
	11.00-11.10	37	Reversing Insulin Resistance and Improving Cardiovascular Health by Losing Weight
	11.10-11.20	51	A Cohort Study and Spatial Analysis for Predicting Future eGFR Using Machine Learning in Chronic Kidney Disease of Unknown Etiology (CKDu)
	11.20-11.30	56	Comparative Analysis and Profiling of Risk Factors for CKDu Progression in Sri Lanka
	11.30-11.40	88	Spatial Analysis of Hump-Nosed Viper (Hypnale Hypnale) Bites from 2016 to 2019 in the Kandy District, Sri Lanka
	11.40-11.50	104	Investigating Factors Associated with Infant Mortality in Selected MOH Areas in Colombo District, Sri Lanka
	11.50-12.00	121	Convolutional Neural Network-Based Temporal Prediction of Subdural Haemorrhage on Computed Tomography
	12.00-12.10	173	Regional Variations in Geochemical and Microstructural Properties of Gallstones in Sri Lanka
	12.10-12.30		Q&A
	Day 2 (9.30 am to 12.30 pm) SESSION 2 - TRACK 1 - ROOM A2 (ORAL PRESENTATIONS)		
	Session Chair		
	Co-chair		
	TIME	ABSTRACT ID	TITLE
	9.30-9.40	440	Extended Effects of Allopurinol on Disease Progression in Chronic Kidney Disease of Unknown aetiology (CKDu) Patients: Two-Year Follow-up of a Randomized Controlled Trial
	9.40-9.50	453	Multi-Channel Pulse Waveform Measurement System for Cardiovascular Monitoring
	9.50-10.00	461	Health-Related Quality of Life of Patients with Pulmonary Tuberculosis Registered in Central Chest Clinic, Kandy, Sri Lanka
	10.00-10.10	473	In Vivo Glycaemic Response to Selected Commonly Consumed Sri Lankan Rice-Based Foods Prepared Using Three Long-Grain Rice Varieties
	10.10-10.20	477	Addressing Sri Lanka's Noncommunicable Disease Burden Through a Novel Hibiscus sabdariffa L. Functional Beverage: Development, Evidence-Based Formulation, and Consumer Acceptability
	10.20-10.30	483	Formulation of Economically Viable, Energy-Dense, Low-Glycaemic, Blenderized Tube Feeding Formula for Malnourished Adults Requiring Nutritional Support in Sri Lankan Hospitals
	10.30-10.40	499	Development of Gelatin-Free and No-Added-Sugar Stirred Yogurt for Toddlers Using Transglutaminase as a Natural Stabilizer
	10.40-11.00		Q&A
	11.00-11.10	519	Maternal Risk Factors for Macrosomia: Findings from a Tertiary Care Setting in the Kandy District
	11.10-11.20	528	Evaluation of Damage from Disease in Patients with Systemic Lupus Erythematosus (SLE) according to the Systemic Lupus International Collaborating Clinics / American College of Rheumatology Damage Index (SLICC / ACR DI) in a Tertiary Care Hospital in Sri Lanka
	11.20-11.30	540	Isobaric Bupivacaine Versus Hyperbaric Bupivacaine For Spinal Anaesthesia In Caesarean Sections: Prospective Randomized Clinical Trial
	11.30-11.40	546	Prevalence and Antimicrobial Susceptibility Patterns of Bloodstream Infections Among Hemodialysis Patients at Kandy National Hospital: A Retrospective Study
	11.40-11.50	602	Measurements of Pharmaceuticals and Personal Care Products in Hospital Wastewater
	11.50-12.00	605	Immersive AI-Driven Nursing Education: Integrating VR And Conversational AI For Advanced Wound Care Training
	12.00-12.30		Q&A

Day 2 (2.00 pm to 5.00 pm) SESSION 3 - TRACK 1 - ROOM A1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	146	Fuel Use, Kitchen Environment, and Smoke Exposure in Sri Lankan Pregnant Women: Cross-Sectional Insights for Public Health Interventions; An Interim Analysis of RESPIRE 2 SL Indoor Air Quality Study.
2.10-2.20	149	PM2.5 Exposure And Sleep Quality Among Pregnant Women In Kandy; An Interim Analysis Of Respire2-SL Indoor Air Quality Study.
2.20-2.30	152	Comparative Efficacy of Dry Needling Combined With Passive Stretching Versus Dry Needling Combined With Muscle Energy Technique on Upper Trapezius Myofascial Trigger Points Associated With Neck Pain: A Randomised Clinical Trial
2.30-2.40	177	Cost Comparison of Ward-based and Centralized Co-amoxiclav Injection Preparation at Sirimavo Bandaranaike Specialized Children Hospital (June - December 2023)
2.40-2.50	180	Analysis of Lung Dose Variation in Post-Mastectomy Radiotherapy and Whole Breast Radiotherapy
2.50-3.00	182	Analysis of Factors Influencing Weight Loss in Patients Undergoing Head and Neck Radiotherapy
3.00-3.10	184	Bladder Filling Volume Variation in Computed Tomography (CT) Simulation for Prostate Cancer Intensity Modulated Radiation Therapy (IMRT) and Its Correlation with Estimated Glomerular Filtration Rate (eGFR)
3.10-3.30		Q&A
3.30-3.40	188	PredictGL: An AI-Driven Web Application for Glycemic Load Prediction Using Nutritional Composition Data
3.40-3.50	196	Clinicopathological Predictive Score for DNA Mismatch Repair Deficient Colorectal Carcinoma in Sri Lanka
3.50-4.00	197	Maternal Nocturnal Caregiving to Infants and Parenting Satisfaction: A Qualitative Inquiry
4.00-4.10	204	Randomized Controlled Study to Compare the Effectiveness of Muscle Energy Technique Versus Short Wave Diathermy along With The Maitland Mobilization Technique in The Treatment of Adhesive Capsulitis
4.10-4.20	246	Expression Analysis of Platelet-derived Growth Factor Receptor Alpha in Pre- and Post-menopausal Breast Cancer in Sri Lanka
4.20-4.30	247	Demographic Insights into Disease Patterns: An Interactive Visualization Approach
4.30-5.00		Q&A
Day 2 (2.00 pm to 3.30 pm) SESSION 3 - TRACK 1 - ROOM A2 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	609	Morphometric Computed Tomography Study of the Mastoid Process and Its Role in Sex Differentiation
2.10-2.20	611	Modified Corn Starch as a Fat Replacer in Low-Calorie Mayonnaise
2.20-2.30	617	Assessment of Dietary and Lifestyle Risk Factors Associated with Urolithiasis: A Cased-Based Cross-Sectional Study in Matara District, Sri Lanka
2.30-2.40	631	Detection of Bacterial and Fungal Pathogens Associated with Skin and Soft Tissue Infections in Patients with Diabetes Mellitus Reporting to A Tertiary Care Hospital in Sri Lanka: A Single-Center Study
2.40-2.50	637	Awareness and Compliance with the Needle Stick Injury Management Protocol at the Dental Teaching Hospital, Peradeniya
2.50-3.00	639	Geospatial Analysis of Intensive Care Unit (ICU) Bed Distribution and Inequality in Sri Lanka
3.00-3.10	642	Factors Associated with Pain and Quality of Life among Breast Cancer Patients Undergoing Chemotherapy in a National Tertiary Care Hospital in Sri Lanka
3.10-3.30		Q&A

Track 2: Sustainable Agriculture and Veterinary Medicine for Food Security

Day 1 (2.00pm to 5.00pm) SESSION 1 - TRACK 2 - ROOM B1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	41	A prototype of a birth control device for trouble-making monkeys
2.10-2.20	61	Seroprevalence of Chicken Anemia Virus and Infectious Laryngotracheitis Virus in Village and Commercial Poultry in Sri Lanka and Its Association with Management Practices
2.20-2.30	164	Prevalence and Molecular Insights of Gastrointestinal Parasites in Free-Range Chickens of Kandy District, Sri Lanka
2.30-2.40	186	Prevalence and Molecular Detection of Cryptosporidium spp. in Dogs at Two Veterinary Hospitals in Kandy, Sri Lanka
2.40-2.50	366	Establishment of a multiplex Colony PCR (mC-PCR) for Detecting E. coli O157:H7
2.50-3.00	398	Small Ruminant Theileriosis in Jaffna, Sri Lanka
3.00-3.10	411	Evaluation of Natural Compounds as Potential Inhibitors Of African Swine Fever Virus DNA Ligase: A Computational Analysis
3.10-3.30		Q and A (common)
3.30-3.40	439	Monitoring Cryptosporidium and Coronaviruses in Livestock Farm Water: A Study at NLDB Farm Haragama, Kandy District, Sri Lanka
3.40-3.50	516	Causative agents associated with early larval mortality of Penaeus vannamei in shrimp hatcheries in Puttlam, Sri Lanka
3.50-4.00	517	Detection of Carp Edema Virus in Apparently Healthy Koi Carps (Cyprinus carpio koi) collected from Ornamental fish farms in Sri Lanka
4.00-4.10	564	Analyze the thermal stress in dairy cattle of Sri Lanka and its effect on milk yield
4.10-4.20	582	Occurrence of multidrug resistant Pseudomonas aeruginosa among dogs in the Central province of Sri Lanka
4.20-5.00		Q and A (common)

Day 2 (9.30am to 12.30 pm) SESSION 2 - TRACK 2 - ROOM B1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.40	11	Assessing Vegetation Structure and Habitat Complexity Across Seral Stages in Belipola Analog Forest, Uva Province: An Application of the Physiognomic Formula for Sustainable Forest Management
9.40-9.50	23	Green-Synthesized Silver Nanoparticles: Impact on Tomato Seed Germination and Early Seedling Growth
9.50-10.00	231	Variation of Selected faunal groups in Paddy Fields: A Comparison of Organic and Conventional Farming
10.00-10.10	257	Can the Demand for Commercial Carrageenan be fulfilled by Extracting Carrageenan from the Marine Red Seaweed, Kappaphycus alvarezii (Elkhorn Sea Moss)?
10.10-10.20	265	Effects of Soil Silicon Enrichment on Growth and Physiology of Rice under Alternative Wetting and Drying Practices
10.20-10.30	436	Formulation and Quality Assessment of Oleoresin-Infused Masala Chai Tablets: A Study on Sensory Standards and Shelf Stability
10.30-10.40	438	Promoting the Utilization of Kappaphycus alvarezii (Doty Doty) Brown Algae: Disinfection, Deodorisation, and Quality Evaluation Through Chemical and Physical Treatments
10.40-11.00		Q and A (common)
TIME	ABSTRACT ID	TITLE
11.00-11.10	441	Applicability of Azolla as a Nitrogen Supplement for Hydroponics Tomato (Solanum lycopersicum) Cultivation in Protected Culture
11.10-11.20	460	Potential of Lactobacillus spp. Isolated from Silage for Ensiling Forage of Maize, Sorghum, and Brachiaria
11.20-11.30	485	Application of enriched compost-based grow media in aggregate-type hydroponics
11.30-11.40	492	Application of Sri Lankan Red Earth to Remove Tetracycline from Aqueous Media
11.40-11.50	524	Assessment of Nutritional and Functional Properties in Organic, Conventional, and GAP-Certified Vegetables: A Case Study of Selected Vegetables Grown in Nuwara Eliya
11.50-12.30		Q and A (common)

Day 2 (2.00 pm - 3:30 pm) SESSION 3 - TRACK 2 - ROOM B1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	537	Biosorptive potential of curry leaf (Murraya koenigii) powder for lead removal: Isotherm and kinetic studies
2.10-2.20	539	Exploring the lead adsorption potential of Garcinia quaesita (Goraka) fruit rinds as a readily available biosorbent
2.20-2.30	565	Effect of enzymatic, fermentation, and microwave pre-treatments on nutrient composition of seaweed (Kappaphycus alvarezii)
2.30-2.40	569	Fatty Acid Profile and Performance of Black Soldier Fly (Hermetia illucens) Larvae Fed Raw and Pre-treated Seaweeds
2.40-2.50	614	Successful Initiation in Introgression of Neck Blast Resistant Genes to Local Elite Rice Variety 'Attakari' Through Marker-Assisted Selection
2.50-3.30		Q and A (common)

Track 3: Engineering and Technological Innovations for a Smart and Sustainable Future

Day 1 (2.00 pm to 5.00 pm) SESSION 1 - TRACK 3 - ROOM C1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	97	Fire-Cyclic load Interaction Effects on Collapse Mechanisms in Steel Moment-Resisting Frames
2.10-2.20	219	Performance of Recycled Tyre Steel Fiber on High-Performance Concrete
2.20-2.30	304	Lightweight concrete made with complete substitution of natural coarse aggregate with recycled plastic waste
2.30-2.40	320	Evaluating the Impact of Seashell Fragments on the Durability Characteristics of Sri Lankan Sea Sand Concrete
2.40-2.50	380	Performance-Based Chloride Threshold for an Optimum Sea Sand–Manufactured Sand Blend in Concrete Fine Aggregates
2.50-3.00	567	Durability-Based Life Cycle Assessment to Evaluate Supplementary Cementitious Materials
3.00-3.10	573	Structural performance assessment of reinforced and unreinforced Concrete-Filled HDPE Pipes: An experimental and analytical Study.
3.10-3.30		Q and A (common)
3.30-3.40	123	Optimizing Sensor Techniques for Structural Health Monitoring of Concrete Dams: A Review of Technologies, Challenges, and Future Directions
3.40-3.50	124	Identification of Cracks in RC Beams using Computer Vision Techniques
3.50-4.00	161	Deep Learning Based Approach for Traffic Flow Analysis in Side-Friction Situations
4.00-4.10	243	A Motorbike Assistance Tool for Road Line and Vehicle Detection Using Image Processing
4.10-4.20	248	Computer Intelligence-based Framework for Damage Detection of Post-tensioned Concrete Girder Bridges using Vibration Responses
4.20-4.30	286	Advanced CFD Simulations for Optimizing Fluid Transfer in Centrifugal Microfluidic Chips for In-Situ Pollutant Detection
4.30-5.00		Q and A (common)

Day 2 (9.30 am to 12.30 pm) SESSION 2 - TRACK 3 - ROOM C1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.40	21	AI-Driven Optimization Solution for Solar Energy: Forecasting, Maintenance, Site Selection and Storage Management Using Machine Learning Models
9.40-9.50	89	Home Energy Eco Management System for Bidirectional Electric Vehicles (EVs) Charging and Discharging with Grid Support Capabilities
9.50-10.00	93	Designing an Intelligence-Based Microgrid State Prediction and Stabilization Using Software-Defined Network Control
10.00-10.10	125	Design and Development of a Liquid Density Sensor Using Upthrust Force and Electrical Resistance
10.10-10.20	245	Generative AI-Powered Centimetre-Precision Indoor-Outdoor Navigation System Using RTK and UWB Technologies for Accessibility and Industrial Applications for the Visually Handicapped Community
10.20-10.30	500	Hybrid Intrusion Detection Using IoT: Enhancing Organisational Security Through a Real-Time ESP8266-Based Physical Alert Framework
10.30-10.40	562	Supercapacitor Assisted Maximum Power Point Tracker (SCA MPPT)
10.40-11.00		Q and A (common)
11.00-11.10	45	Development of N-Salicylidene Aniline Based Smart Materials for Fabric Integration
11.10-11.20	76	Optimization of Selected Process Parameters for Cinnamomum Verum Bark Extract-Mediated Green Synthesis of Silver Nanoparticles
11.20-11.30	215	Sustainable Extraction Pathways for Nickel from the Underexplored Ginigalpelessa Serpentinite Deposit
11.30-11.40	256	Development and characterization of novel Graphene-based Bipolar Plates for Proton exchange membrane fuel cells
11.40-11.50	406	Fabrication of Dye-Sensitized Solar Cells Based on Natural Pigments Extracted from the Bixa Orellana Seeds.
11.50-12.00	424	Impact of Rice Flour Particle Size on Its Physical Characteristics and Preference for Sensory Attributes of String Hoppers
12.00-12.10	437	Development of Anthocyanin-based Colorimetric Freshness Indicator to Validate the Shelf Life of Buffalo Curd under Refrigerated Storage
12.10-12.20	444	Photocatalytic Performance of Halloysite-Supported Cu Doped TiO2 Nanocomposites for Efficient Wastewater Dye Removal
12.20-12.40		Q and A (common)

Day 1 (2.00 pm to 3.30 pm) SESSION 3 - TRACK 3 - ROOM C1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	79	Evaluating Shielding Effects on a Central Building in Diverse Urban Layouts Using CFD Analysis
2.10-2.20	84	AI-Driven Carbonation Damage Detection and Severity Assessment Using Diffusion Models
2.20-2.30	95	Evaluation of Wind Effects on Lift-Up Buildings Using Computational Fluid Dynamics Analysis
2.30-2.40	217	Uncovering the Solar Energy Potential of Reservoirs in Sri Lanka: A Time Series and Machine Learning Approach
2.40-2.50	225	Rapid Detection of Chemical Oxidation Demand in Wastewater Using a Centrifugal Microfluidic Chip Analysis
2.50-3.00	578	Decision-Making Dynamics in Evacuation Route Choice during a Flood Situation: A Case Study in Ratnapura
3.00-3.10	616	Decision making dynamics of evacuation center choice: A case study in Rathnapura
3.10-3.30		Q and A (common)

Track 4: Expanding Frontiers in Basic and Applied Sciences and Mathematics

Day 1 (2.00 pm to 5.00 pm) SESSION 1 - TRACK 4 - ROOM D1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	32	Cuticular Modifications of Organophosphate Resistant Culex quinquefasciatus Larvae in Sri Lanka
2.10-2.20	166	Potential effect of Artocarpus heterophyllus (Jack) leaves extracts as a natural algacide
2.20-2.30	288	Baseline Survey for the Identification of Lichen Species in the Dry Zone: A Case Study at the University of Vavuniya, Sri Lanka
2.30-2.40	385	Evaluation of Antioxidant, Antidiabetic, Anti-obesity Properties and Cytotoxicity Effect of Four Sri Lankan Medicinal Plants
2.40-2.50	390	Effectiveness of Mimosa elengi Seed Extract Against Cariogenic Bacteria
2.50-3.00	391	CHARACTERIZATION OF FUNGAL COMMUNITIES ASSOCIATED WITH MOSQUITO LARVAE AND EVALUATION OF THEIR ENTOMOPATHOGENIC POTENTIAL AS LARVICIDAL AGENTS
3.00-3.10	417	STRUCTURE, DEVELOPMENT AND FUNCTIONAL MORPHOLOGY OF THE CEMENT GLAND OF FRESHWATER ANGELFISH, Pterophyllum scalare
3.10-3.30		Q & A (common)
3.30-3.40	214	Optimization of Coconut Shell-Based Char for Humic Acid Removal from Contaminated Water
3.40-3.50	350	Isolation and Characterization of Efficient Diesel-Degrading, Biosurfactant-Producing Bacteria from Petroleum-Contaminated Subsurface Soils in Kandy District, Sri Lanka
3.50-4.00	354	Role of the Traditional Coconut Salt Pot, "Lunu Polkatta," in Mitigating Microplastic Contamination in Food-Grade Granular Crystal Salt
4.00-4.10	435	Characterization and Microbial Profiling of Microplastics in Kandy Lake: A Preliminary Investigation
4.10-4.20	503	Comparison of Microplastics in Faeces of Toque Macaques from Residential and Non-residential Locations in the University of Peradeniya
4.20-4.30	532	Prevalence and Genetic Characterization of Antibiotic-Resistant Escherichia coli in Selected Locations Along the Mahaweli River in Kandy, Sri Lanka
4.30-4.40	623	Detection of Antibiotic Resistance Genes in the Upper Segment of Mahaweli River
4.40-5.00		Q and A (common)
Day 2 (9.30 am to 12.30 pm) SESSION 2 - TRACK 4 - ROOM D1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.40	294	Comparison of Experimental and Theoretical Values of Zeta Potential and Particle Size using Light Scattering Method
9.40-9.50	513	Development of an optical method for rapid detection of heavy metals in water samples using iso-pathlength point analysis
9.50-10.00	549	Utilization of Neutron Activation Analysis for Cadmium Detection in Soil Samples
10.00-10.10	77	A Statistical Analysis of the Factors Influencing Performance in Ultimate Fighting Championship (UFC) Fighters
10.10-10.20	96	SOME PROPERTIES OF FUZZY h-OPEN SETS IN FUZZY TOPOLOGICAL SPACES
10.20-10.30	170	STUDY ON β -OPEN SETS IN FUZZY TOPOLOGICAL SPACES
10.30-10.40	237	A New Statistical Approach to Profit Maximization Transportation Problem via Normal Distribution and Harmonic Mean
10.40-10.55		Q and A (common)
11.00-11.10	213	A Comparative Mineralogical Study of Sri Lankan Serpentinites: Implications for Serpentinization on Mars
11.10-11.20	222	Petrogenesis and Crystallization Conditions of Selected Granitic Intrusions in Sri Lanka's Proterozoic Basement
11.20-11.30	408	Evaluation of Satellite Rainfall Products for Hydrological Modelling in a Data-Scarce Catchment: A Case Study of Kalu Ganga Catchment of Mahaweli Basin, Sri Lanka
11.30-11.40	552	Geochemical Characteristics in some selected springs in the Highland Complex of Sri Lanka
11.40-11.50	585	Chemical, Structural and Spectroscopic Study of Columbite-(Fe) from Dodampe, Ratnapura District, Sri Lanka
11.50-12.00	392	PARASITOID-PEST INTERACTIONS IN A SELECTED PESTICIDE-FREE RICE FIELD
12.00-12.20		Q and A (common)
Day 2 (2.00pm to 3.30pm) SESSION 3 - TRACK 4 - ROOM D1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	87	Improving the Performance of Carbon Nanotube-Based Membranes for Water Desalination
2.10-2.20	191	Enhanced nitrous oxide (N ₂ O) sensing using zsm-5 zeolite-modified zinc oxide nanorods at low operating temperatures
2.20-2.30	234	Development of a Sustainable Anti-Corrosive Metal Coating from Human Hair Waste-Derived Crude Melanin
2.30-2.40	338	Enhanced Furanic Compounds Detection in Transformer Oil: A GCMS Method Optimization with SPE and LLE Comparison
2.40-2.50	347	SYNTHESIS AND PRELIMINARY CHARACTERIZATION OF ACTIVATED CARBON DERIVED FROM SELECTED BIOWASTE MATERIALS
2.50-3.00	603	Enhanced Electrochemical Performance of Tin Oxide-Doped Coconut Shell Charcoal-Derived Activated Carbon for Energy Storage Applications
3.10-3.30		Q and A (common)

Track 5: Transforming Business and Management for Sustainable Economic Growth

Day 1 (2.00pm to 5:00 pm)
SESSION 1 - TRACK 5 - ROOM E1
(ORAL PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	3	Exploring the Impact of Symbolic Meaning on Gen Z Consumers' Purchase Intentions Toward Green Clothing in Sri Lanka"
2.10-2.20	62	The Role of Power Distance in Shaping Employee Engagement amid Abusive Supervision
2.20-2.30	383	Impact of Social Media Usage on Personal Branding of STEM Undergraduates of State Universities - with Special Reference to the University of Peradeniya
2.30-2.40	512	Technical knowledge of Social Media Marketing and Business Performance among SME owners
2.40-2.50	563	Managing Software Development Teams: An Inquiry into the Management Skills Paradox
2.50-3.00	110	The Dark Side of Competitiveness: Unveiling the Power of Social Support in Knowledge Sharing
3.00-3.10	112	Khejur Rosh (An Indigenous Drink) and associated entrepreneurship originating from the Arid Regions of Rural Bengal: Modelling the Challenges and Bridging Traditional Wisdom with Sustainable Development.
3.10-3.30		Q and A (common)
3.30-3.40	115	The Impact of Toxic Leadership on Employee Performance: The Moderating Role of Positive Psychological Capital Among Public Sector Employees in Sri Lanka
3.40-3.50	119	Investigate the Factors Influencing the Decision of Undergraduates to Pursue Professional Accounting Courses: Evidence from Rajarata University, Sri Lanka.
3.50-4.00	589	From Tea Estates to New Frontiers: Exploring Young Female Labour Outmigration in Sri Lanka's Tea Plantation Sector
4.00-4.10	251	The Commercialization Process of Co-operatives: A Study on the Double Bottom Line Approach of the Agricultural Co-operative Societies in Sri Lanka
4.10-4.20	351	Narratives in the Digital Age: Exploring Storytelling Strategies Among Sri Lankan Entrepreneurs
4.20-4.30	355	The Efficacy of Sustainable Business Models Across Industry Sectors: Measuring Triple Bottom Line Performance in Entrepreneurial Ventures
4.30-4.40	360	Sensing the Brand: How Personality Shapes the Link Between Sensory Experience and Customer Engagement in Central Province Cafés
4.40-5.00		Q and A (common)

Day 2 (9:30 am to 12:00 pm)
SESSION 2 - TRACK 5 - ROOM E1
(ORAL PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.40	73	Assessing the Impact of Temperature Fluctuations in Scalding Tanks on Product Quality: A Quantitative Study at ABC Poultry Processing Plant in Sri Lanka
9.40-9.50	107	A Strategy Roadmap for Adopting AI in Sri Lankan Apparel Supply Chains
9.50-10.00	80	Voices for Change Towards Enhanced Non-Financial Reporting Assurance in Sri Lanka: An Analysis of Key Stakeholder Expectations
10.00-10.10	179	Predictive AI for Platform-Based Entrepreneurial Resilience in Crisis Situations: A Systematic Literature Review
10.10-10.20	401	Digital Financial Literacy as a Shield Against Cybercrime: A Study on Commercial Bank Customers in Sri Lanka
10.20-10.30	608	The Effect of Digitalization on Supply Chain Integration and Supply Chain Performance: A Study of the Apparel Industry in Sri Lanka
10.30-11.00		Q and A (common)

Track 6: Humanities and Social Sciences in a Rapidly Changing World

Day 1 (2.00pm to 5:00 pm) SESSION 1 - TRACK 6 - ROOM F1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	30	A Critical Study of the Use of South Asian Mythical Realism in the Narrative Art of Simon Navagattegama (Based on the novels "Kshira Sagaraya Kalabina" and "Sansaranayaya Asabada")
2.10-2.20	329	Analysis of how the protagonist's identity is constructed through the poetics of language in Marguerite Duras's The Lover.
2.20-2.30	526	Kuweni as Woman: An Exploration of the Idea of Kuweni in Historical, Popular Culture, and Literary Conceptualizations
2.30-2.40	259	A Critical Comparison of Narrative Techniques, Characterization, and Historical Representation in the Novel and Film Adaptation of the Boy in the Striped Pajamas.
2.40-2.50	308	Evolving Melodies: Transformation of Kandyan Vannama in 20th-Century Sinhala Traditional Music
2.50-3.00	100	The Influence of Eastern Aesthetics on the Cinematic Philosophy of Andrei Tarkovsky
3.00-3.10	291	An Investigation into Code-Switching in Informal Communication
3.10-3.30		Q and A (common)
3.30-3.40	218	Philosophical Insights from Plato's Paideia as a Guide for AI-Driven Education
3.40-3.50	24	The Role of AI in Translating and Preserving German Literary Heritage
3.50-4.00	59	Blockchain Technology for Information Preservation in Digital Libraries
4.00-4.10	99	Assessing the Impact and Pedagogical Changes of Mobile Devices in Chinese Language Learning in the Digital Age
4.10-4.20	459	Use of AI-Assisted Tools in Postgraduate Students' Teaching and Learning Process: Benefits and Challenges
4.20-4.30	601	The Correlation Between the Growth of Artificial Intelligence and Rising Existential Anxiety in the AI Powered Digital Age
4.30-4.40	345	LinkedIn For Effective Reintegration: Hiring An Ex-offender
4.40-5.00		Q and A (common)
Day 2 (9.30 am to 12.30 pm) SESSION 2 - TRACK 6 - ROOM F1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.40	240	Exploring the relationship between loneliness and life satisfaction among SLIIT (Sri Lankan Institute of Information and Technology) Undergraduates.
9.40-9.50	264	An event-related brain potential study on facial age and anger expression
9.50-10.00	388	Male Sex Workers in Sri Lanka: A phenomenological Inquiry into Stigma and Social Relationships
10.00-10.10	276	Unraveling Causes For Investigative Delays In Sri Lanka: An Analysis From Scene of Crime Officers (SOCO) Perspective.
10.10-10.20	555	Mind After Murder: Psychological and Behavioral Explorations of Death Row Inmates
10.20-10.30	620	Translanguaging and Cognitive Flexibility in Sri Lankan University ESL Classrooms
10.30-10.40	176	The Hindu Renaissance and Reformation of Dhamma: A Path to Human Flourishing in Modern Age
10:40-11.00		Q and A (common)
Day 2 (2.00pm -3.30pm) SESSION 3 - TRACK 6 - ROOM F1 (ORAL PRESENTATIONS)		
Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	520	Comparative Study of Surgical Practices in Alahana Pirivena, Polonnaruwa-Sri Lanka and Ancient Egypt
2.10-2.20	501	Radiographic analysis on manufacturing techniques of terracotta figures found in early historic archaeological contexts of Sri Lanka
2.20-2.30	58	Buddhist Monastic Engagement in Climate Action and Community Resilience
2.30-2.40	395	Examining the Social Consequences of Tourism and Pathways to Sustainable Solutions: A Case Study of Gregory Lake, Nuwara Eliya, Sri Lanka
2.40-2.50	293	Land Cover Changes of Lankagama Village in Sinharaja Rain Forest Buffer Zone
2.50-3.00	652	From displacement to Development: The role of Northern IDPs in Puttalam's Salt Industry
3.00-3.10	550	Animal Rights Law as Part of Sri Lanka's Legal Curricula: A Pedagogical Analysis of Needs and Possibilities
3.10-3.20	586	Assessment of Consumption Patterns and Purchasing Behavior on Meat and Processed Meat Products among the Undergraduates of University of Peradeniya, Sri Lanka
3.20-3.40		Q and A (common)

Track 7: Reimagining Education, Policy, and Governance for the 21st Century

Day 2 (2:00 pm to 5:00 pm)
SESSION 3 - TRACK 7 - ROOM E1
(ORAL PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.10	419	The Role of Simulation-Based Education in Paediatric Therapeutics: A Systematic Review of Its Effectiveness in Undergraduate Healthcare Training.
2.10-2.20	208	A Study of Sri Lankan Students' Insights on Native and Non-Native Chinese Language Teachers
2.20-2.30	238	An Intelligent Mobile Flashcard System for Supporting Active Recall and Conceptual Learning among University Students: UniFlash
2.30-2.40	553	Evaluating the Effectiveness of Game-Based Approach on Student Engagement in Undergraduate ICT Classes: A Case Study at the Faculty of Arts, University of Peradeniya
2.40-2.50	597	Activating Learning Through Social Media: A Case Study of Undergraduate Engagement at a Sri Lankan State University
2.50-3.00	599	Integrating IT Education with Arts Faculty Subjects at the University of Peradeniya
3.00-3.10	348	Reimagining the Skills Mismatch Hypothesis – A Critical Evaluation of the Changing Dynamics of Hard vs. Soft Skills
3.10-3.30		Q and A (common)
3.30-3.40	90	Re-imagining Education: The Growing Demand for Private Tutoring in Sri Lanka's Free Education Landscape
3.40-3.50	244	Student-Centred Instructional Approaches to Enhance Students' Interest in Learning the Human Nervous System.
3.50-4.00	254	The Transformation of Athenian Citizenship: The Aristocratic Privilege to Inclusive Governance and Contemporary Democratic Identity
4.00-4.10	321	The Judicial Impartiality in Sri Lanka; a Key Pillar of Democratic Governance Amidst Digital Era.
4.10-4.20	613	Strategies for Obtaining Community Participation Towards Effective School Management Process
4.20-4.30	634	Enhancing History Education in Sri Lanka through In-Situ Museums
4.30-4.40	635	Trapped in a Loop of Disconnection: A Qualitative Exploration of Gen Z Learners' Experiences in Online Higher Education
4.40-4.50	643	A Study on the Integration of Game-Based Learning to Engage Youth for Vocational Training in Carpentry
4.50-5:10		Q and A (common)

Poster Presentations Schedule

Track 1: Innovations in Healthcare and Well-being

Day 1 (2:00 pm - 5:00 pm)
SESSION 1 - TRACK 1 - ROOM P1
(POSTER PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.05	200	Awareness of tuberculosis and the standard treatment methods among nursing undergraduates' university of Peradeniya
2.05-2.10	201	Antibiotic Resistance in Escherichia Coli from Selected Mahaweli River Intake Points in Central Highlands of Sri Lanka
2.10-2.15	228	Cinnamon Bark Oil (Cinnamomum zeylanicum) Inhibits the Growth of Prototheca zopfii at Canine Gastric pH
2.15-2.20	300	Pharmacognostic analysis of Bhesa ceylanica
2.20-2.25	301	Knowledge, Attitudes, and Practices on Antibiotic Use Among Older Adults in Sri Lanka: A Cross-Sectional Study
2.25-2.30	302	Effectiveness of Cinnamomum verum on the Growth Inhibition of Oral Fungus, Candida albicans
2.30-2.35	303	Exploring the Antioxidant Activity of Ocimum tenuiflorum from Different Geographical Regions
2.35-2.40	326	Assessment of Antioxidant Activity by Hydrogen Peroxide Assay for Combined Herbal Formulations of Cinnamomum verum, Curcuma longa, and Ocimum tenuiflorum within the Non-Toxic Range as Assessed by Brine Shrimp Lethality Assay
3.30-3.35	337	Diagnostic Performance of PCR and ELISA in the Detection of Hepatitis B Virus: A Sri Lankan Perspective
3.35-3.40	370	In Vitro Antimicrobial Activity Of Hypochlorous Acid (HOCl) On Some Selected Candida Species And Oral Microflora
3.40-3.45	423	Antifungal Activity of Eichhornia crassipes and Salvinia molesta Collected from Lake Gregory, Sri Lanka, Against Human Oral Pathogenic Fungi.
3.45-3.50	425	Development of Flavored Air-frying Oil Sprays Infused with Spice Oleoresins: Formulation, Physicochemical Characterization, and Sensory Evaluation
3.50-3.55	450	Detection of Virulent Genotypes FimA II and FimA IV of Porphyromonas gingivalis in Periodontitis Patients attending the Dental Teaching Hospital, Peradeniya
3.55-4.00	496	Evaluate the Enzymatic Activity of Papain Under Different Forms of Papaya at Optimal pH
4.20-4.25	509	Molecular Identification of Porphyromonas gingivalis in the Saliva of Patients with Periodontitis and Periodontally Healthy Individuals Attending Dental Teaching Hospital, Peradeniya
4.25-4.30	619	Evaluation of the Efficacy of Commercial Mouthwashes in Sri Lanka against a Major Cariogenic Bacterium
4.30-4.35	621	Isolation and Evaluation of the Gum from Cyclea Peltata Leaves as a Binder In Tablet Formulation
4.35-4.40	630	Fungal Agents Associated with Toe Web Infections in Patients with Diabetes Mellitus: A Single-Centre Study in Sri Lanka
4.40-4.45	640	Green synthesis and characterization of hydroxyapatite nanoparticles using chicken egg shells for cefazoline delivery
4.45-4:50	649	Analysis of Antioxidant Activity of Traditional Sri Lankan Herbal Formula Composed of Phyllanthus emblica and Tinospora cordifolia
4.50-5:10		Q & A (Common)

Day 1 (2:00 pm - 5:00 pm)
SESSION 1 - TRACK 1 - ROOM P2
(POSTER PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.05	262	Psychological Resilience And Cardiovascular Disease: Exploring The Protective Role In Heart Health - A Systematic Review Of Current Research
2.05-2.10	267	Association Between Nutritional Status And Quality Of Life Among Cancer Patients In The Ratnapura Area
2.10-2.15	274	Association Between Abdominal Aortic Calcifications and Renal Calculi
2.15-2.20	278	Ten-Year Cardiovascular Disease Risk and Associated Determinants Among Hypertensive Patients in Tertiary Care Hospitals in Kandy District, Sri Lanka
2.20-2.25	284	Optimizing Medical Waste Management for Sustainable and Resilient Healthcare Facilities
2.25-2.30	295	Expression of Human Papillomavirus in Dysplastic and Non-Dysplastic Oral Lichen Planus - An Immunohistochemical Study
2.30-2.35	305	Hypertension Prevalence In Sri Lanka: A Literature Review
2.35-2.40	313	Analysis of Nutritional and Health Status of Sri – Lankan High Performance Athletes
3.30-3.35	319	Dietary Influences on Gastrointestinal Tract Cancers: A Comparative Study in the Adult Population of Colombo District, Sri Lanka
3.35-3.40	349	Effect of immune response in the pathophysiology of snake envenoming and antivenom treatment: a scoping review of clinical evidence
3.40-3.45	371	Feasibility And Efficacy Of A Group Telerehabilitation Program For People With Knee Osteoarthritis In Sri Lanka – A Pilot Study
3.45-3.50	387	Genetic and Epigenetic Alterations in Oral and Oropharyngeal Cancers Associated with Smoke and Smokeless Tobacco Exposure: A Systematic Review
3.50-3.55	389	Knowledge, Attitudes, and Practices Regarding Psychological Stress Management among First-year Students of the Faculty of Allied Health Sciences, University of Peradeniya
3.55-4.00	393	Factors Affecting the Knowledge, Attitudes and Practices on Hypertensive Disorders of Pregnancy Among Pregnant Women with Risk Factors: A Cross-Sectional Study in a Tertiary Care Centre
4.20-4.25	405	Testing Position but Not Age Impacts the Heart Rate Response to Valsalva Manoeuvre
4.25-4.30	414	Ethnic Variations in the Clinicopathological Presentations of Oral Squamous Cell Carcinoma and Oral Submucous Fibrosis: A Retrospective Study from a Single Tertiary Care Centre in Sri Lanka
4.30-4.35	415	Prevalence, Types, and Severity of Anemia and Its Association with Demographic Factors among Patients Visiting the Dental Teaching Hospital Peradeniya
4.35-4.40	418	Knowledge and exposure to occupational hazards (OH) in nursing profession (NP) among nursing undergraduates (NU) in three state universities, the University of Peradeniya (UOP), the University of Sri Jayawardhanapura (UOJ), and the University of Ruhuna (UOR) in Sri Lanka.
4.40-4.45	420	Effectiveness of Using Curcumin And Bee Honey For The Treatment of Allergic Diseases: A Systematic Review Of RCT's
4.45-4:50	456	Knowledge, Attitudes, and Practices on Dietary Salt Intake Among OPD and Hypertension Clinic Attendees at Teaching Hospital, Peradeniya, Sri Lanka
4.50-5:10		Q & A (Common)

Day 2 (9:30 am -12.00 pm)
SESSION 2 - TRACK 1 - ROOM P1
(POSTER PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.35	19	Exploring the Experience of Medication Adherence among Older People with Hypertension: A Qualitative Study from a Tertiary Care Hospital, Sri Lanka
9.35-9.40	26	Awareness Related to Sexual Health Among New Entrants of the Faculty of Science, University of Peradeniya
9.40-9.45	27	Distribution of Involvement of Physical Functions among Patients with Different Grades of Knee Osteoarthritis in the Eastern Province of Sri Lanka
9.45-9.50	42	Quality Control of Antibiotic Susceptibility Testing: Knowledge, Attitude and Practices of Medical Laboratory Technologists of State Sector Hospitals in Sri Lanka
9.50-9.55	46	Knowledge, Attitudes and Self-reported Practices on Antibiotic Administration Among Nursing Staff Working in Surgical Wards at National Hospital Kandy
9.55-10.00	52	Bridging the Healthcare Gap by Enhancing Rural Well-Being in Sri Lanka Through Digital Innovation and User-Centric Solutions: 'SahanaSuwa'
10.00-10.05	60	Demographic, clinical and mammogram features of breast cancer patients
10.05-10.10	65	Gray Level Co-occurrence Matrix (GLCM) Texture Features Analysis for Brain Tumor Classification using MRI
10.10-10.15	75	Population-Specific Complete Blood Count Reference Ranges for Jaffna, Sri Lanka
10.15-10.20	86	Histopathological Features and Their Association with Serum PSA Levels in Prostate Cancer Patients at The National Hospital Galle
10.20-10.25	106	Diversity of Gastrointestinal Parasites in Free-Living Birds Nesting in Public Areas of Kandy, Sri Lanka
10.25-10.30	113	Detection of Toxocara spp. in selected Schools and Playgrounds in Peradeniya: A Pilot Study
10.30-10.35	154	Comparison Of Image Features Of Glioblastoma And Meningioma Using Magnetic Resonance Images
10.35-10.40	281	Ultrasound Assessment of the Prevalence of Nonalcoholic Fatty Liver Disease in Acute Coronary Syndrome Patients at Teaching Hospital Peradeniya: A Pilot Study
10.40-10.45	427	Morphometric Analysis Of Inferior Alveolar Canal Using Cone Beam Computer Tomography In A Sri Lankan Population
10.45-10.50	445	Normal Liver Volumes in a Cohort of Sri Lankan Adult Population and Its Correlation with Anthropometric Parameters and Age using Computed Tomography
10.50-10.55	447	The Effect Of Drainage Diversion Or "Pyo-Diversion" On Progression Of Wound Healing: An Observational Case Series On Patients With Chronic Ulcers And Diabetic Neuropathy
10.55-11.00	449	Efficacy of Combined Conservative Treatments Compared to Isometric Exercises Alone in patients with Cervical Radiculopathy: A Randomized Controlled Trial
11.00-11.05	451	Discrepancies Between Diagnostic Testing And Continuity Of Care In CKDu Surveillance: Insights From A Community-Based Study In Wilgamuwa, Sri Lanka
11.05-11.10	476	Denture Stomatitis in Sri Lankan Type 2 Diabetic Patients: A Comparative Proportional and Clinicopathological Analysis with Existing Literature
11.10-11.30		Q & A (Common)

Day 2 (9:30 am -12.30 pm)
SESSION 2 - TRACK 1 - ROOM P2
(POSTER PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.35	467	Qualitative And Quantitative Analysis Of Oral Candida In Chronic Betel-Quid Chewers
9.35-9.40	486	Ripening Stage-Dependent Variations in Nutritional and Glycemic Properties of Three Commonly Consumed Banana Varieties in Sri Lanka
9.40-9.45	493	Knowledge About Miscarriages Among Patients Admitted With A Sporadic Miscarriage At Teaching Hospital Peradeniya
9.45-9.50	506	Patterns and Practices of Free Sugar Intake Among 3-5-Year-Olds Attending Sirimavo Bandaranayake Specialised (Teaching) Children's Hospital, Peradeniya.
9.50-9.55	521	Platelet Parameters In Patients With Type 2 Diabetes Mellitus In Two Peripheral Hospitals, Kandy, Sri Lanka
9.55-10.00	522	Rare Co-Occurrence Of Cranial Nerve Palsy And Cerebral Infarction In Adult Pyogenic Meningitis: A Case Report
10.00-10.05	523	Osmotic Demyelination Syndrome Following Sodium Correction With Oral Salts In Chronic Hyponatremia- A Case Report
10.05-10.10	529	A Case Of Anti-Tuberculosis Drug-Induced Liver Injury Complicated By Multisystem Organ Failure Including Acute Kidney Injury – A Case Report
10.10-10.15	530	Geochemical Characterization and Health Risk Assessment of Groundwater in Sri Lanka
10.15-10.20	542	Development of a Stable Powdered Herbal Formulation Suitable for Capsule Filling
10.20-10.25	544	Livedoid Vasculopathy in the Sri Lankan Context – A Case Series
10.25-10.30	551	Evaluation of Balance Performance and Injury Prevalence among Racket Sport Players in University of Peradeniya
10.30-10.35	559	A Case Report of Hyperostosis Frontalis Interna
10.35-10.40	574	Characterization of Nutritional Composition, Functional Attributes and Glycemic Index in Three Commercially Available Breads: White, Finger Millet, and Multigrain
10.40-10.45	579	Anemia among Non-Dialysis CKDu Patients in Giradurukotte, an Endemic Area in Sri Lanka
10.45-10.50	584	Assessing Knowledge, Attitudes, and Practices towards Artificial Intelligence among Undergraduates in Health-Related Degree Programs at Sri-Lankan [state] Universities
10.50-10.55	641	Risk of Falls, Functional Mobility, and Functional Capacity in Older Adults with Chronic Obstructive Pulmonary Diseases Attending Tertiary Care in Sri Lanka
10.55-11.00	650	Prevalence Patterns of Colorectal Cancer Across Age and Sex with Associated Presenting Complaints: A Retrospective Study from Teaching Hospital Peradeniya
11.00-11.30		Q & A (Common)

**Day 2 Hall J (2:00 pm -5.00 pm)
SESSION 3 - TRACK 1 - ROOM P1
(POSTER PRESENTATIONS)**

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.05	69	A Comprehensive Study on the Food Supplement Industry and Consumer Perceptions in Sri Lanka
2.05-2.10	81	Limited Joint Mobility Syndrome Among Patients With Diabetes And Its Association With Age And Gender In A Hospital-Based Population In Kandy District
2.10-2.15	82	Association between Nutritional Knowledge, Attitudes, and Practices of Food Labels and Cardiovascular Disease Risk, Based on Anthropometric and Physiologic Measurements (Body Mass Index, Waist Circumference, Systolic and Diastolic Blood Pressure) among Undergraduates of University of Peradeniya
2.15-2.20	108	Knowledge And Attitudes Toward Pressure Ulcer Prevention Among Undergraduate Nursing Students At A State University In Sri Lanka
2.20-2.25	122	Analysis of Pattern of Mandibular Third Molar Impaction and the Presence of Caries of Adjacent Second Molar Tooth – A Retrospective Cone Beam Computed Tomography Study
2.25-2.30	131	Assessing the Impact of Cooking Fuels on Indoor Particle Matter 2.5 (PM _{2.5}) Levels in Sri Lankan Households
2.30-2.35	151	Consumption of Oral Rehydration Solutions and Sports Drink Solutions among the Sports Community and Formulation of a Sports Drink Powder for Rehydration
2.35-2.40	158	Coliform Contamination and Associated Risk Factors in Domestic Well Water Sources Within Gampaha District; A Preliminary Study
3.30-3.35	159	Association of Clinical and Behavioural Factors with Oral Levothyroxine (LT-4) Dose of Primary Hypothyroid Patients in Sri Lanka: A Matched Case Control Study
3.35-3.40	163	Pre-Pregnancy Maternal Bmi, A Predictor Of Offspring Birth Weight In Sri Lankan Population
3.40-3.45	171	Awareness on Nutrition and Sources of Dietary Information Among Female Breast Cancer Patients at a Tertiary Care Hospital in Sri Lanka
3.45-3.50	181	Evaluation of Musa Paradisiaca Linn. Powder as a Natural Superdisintegrating Agent in Fast Dissolving Oral Films
3.50-3.55	183	Combating Antimicrobial Resistance Through Education: A Pre-Post Intervention Study Among First-Year Allied Health Sciences Students
3.55-4.00	185	Knowledge, Attitude, and Prevalence of Cervical Cancer and Pap Smear Screening Tests at Well-Women Clinics Conducted by the Medical Officer of Health (MOH) Offices in Matara District
4.20-4.25	190	Beta-thalassemia traits presenting as disproportionate anaemia in Chronic Kidney Disease of unknown aetiology (CKDu): Single centre experience in Girandurukotte
4.25-4.30	198	Pregnant women's perception towards the antenatal classes: An exploratory descriptive qualitative study
4.30-4.35	202	Microwave Ablation for Liver Tumours: A Retrospective Study from Sri Lanka
4.35-4.40	216	Palatability Evaluation of Developed Oral Syrup Formulations Designed to Treat Diabetes Mellitus
4.40-4.45	227	The Impact of Screen-Time on Sleep Quality Among Medical Students
4.45-4:50	249	Evaluating the Importance of Early Osteoporosis Screening in Women Aged 40-50 Years
4.50-5:10		Q & A (Common)

Track 2: Sustainable Agriculture and Veterinary Medicine for Food Security

Day 1 (9:30 am - 12:30 pm)
SESSION 2 - TRACK 2 - ROOM P4
(POSTER PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.35	33	Alternatives for Progesterone-based Oestrous Synchronisation in Goats: A Cost-effective Approach for Sri Lankan Context
9.35-9.40	39	Preliminary study of the prevalence of Sarcoptes spp. and Demodex spp. among canine dermatologic lesions which are treated as mange lesions, in Government Vet Hospital, Gatambe, Sri Lanka.
9.40-9.45	130	Parasites behind bars: the hidden burden of gastrointestinal (GI) helminths in captive mammals
9.45-9.50	169	Prevalence and Identification of gut acanthocephalans and nematodes in Frigate Tuna, Auxis thazard (Lacepède, 1800) from Southern and Northeastern marine waters of Sri Lanka.
9.50-9.55	187	Investigation of Selenium Profiles in Goats in Sri Lanka Using Glutathione Peroxidase Activity Assay: Findings from the Kandy and Jaffna Districts
9.55-10.00	375	Canine anaplasmosis in pet dogs in the Western Province: seroprevalence, clinical signs, laboratory findings and risk factors
10.00-10.05	376	Biomimetic Olfactory Sensing System and Pattern Recognition Model for Detection of Elephant Musky Volatile Organic Compounds (VOCs) Using a Multisensor Gas Sensor Array in North Central Province, Sri Lanka
10.05-10.10	397	Patterns of Cercariae Diversity in Freshwater Snails of the Maha Oya River, Sri Lanka: Influences of Water Quality Parameters and Human Activities
10.10-10.15	535	Unraveling the Transmission Mechanisms of Enterocytozoon hepatopenaei in Litopenaeus vannamei Hatcheries in Northwestern Sri Lanka.
10.15-10.20	545	Diversity, prevalence and distribution of ticks infesting livestock animals in five farms in the Jaffna District, Sri Lanka
10.20-10.25	554	Gastrointestinal Parasites of Domestic Chicken (Gallus gallus domesticus) under Different Management Systems at Selected Locations in the Jaffna District, Sri Lanka.
10.25-10.30	558	A preliminary morphological and molecular investigation of haemo and gastrointestinal parasites of Pigeons (Columba livia) from the Jaffna District, Sri Lanka.
10.30-10.35	595	Application of chitosan as an edible coating to enhance the postharvest quality of guava (Psidium guajava L.)
10.35-10.40	258	Biodegradation of Glyphosate by Phosphate and Zinc Solubilising Bacteria: A Sustainable Approach to Soil Remediation
10.40-10.45	271	Testing Phyto-pathogenicity of Trichoderma virens; a potential bio-control agent for Rigidoporus microporus; the causative agent of white root disease of rubber plants in Sri Lanka
10.45-10.50	373	Salinity-Induced Changes in Photosystem II Primary Photochemistry in Rice: Insights from OJIP Fluorescence Analysis
10.50-10.55	507	Consumer Acceptance of Low Glycaemic Basmati Rice as a Functional Food: A Case Study in Kandy, Sri Lanka
10.55-11.00	511	Effect of Decision-Making Factors on Collective Action of Farmers and Farming Efficacy
11.00-11.30		Q And A (Common)

Track 3: Engineering and Technological Innovations for a Smart and Sustainable Future

Day 1 (2.00pm to 5.00pm) SESSION 1 - TRACK 3 - ROOM P3 (POSTER PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.05	70	Effect of Initial Imperfections on Thin-walled Steel Hollow Piers under Lateral Cyclic Loading
2.05-2.10	220	Seismic Risk Assessment of Corroded Reinforced Concrete Structures with Spatial Variability: A Review
2.10-2.15	236	Comparative Chemical and Morphological Analysis of Passive Sampled Airborne Particulate Matter across Diverse Environments in Sri Lanka Using FTIR, TGA, and SEM-EDX Techniques
2.15-2.20	335	Applying Explainable AI to Predict the Environmental Impact of Energy Consumption in the Construction Industry – A Comprehensive Review
2.20-2.25	359	Comparison of disaster preparedness frameworks between Sri Lanka and Japan
2.25-2.30	494	Post-war urban development in Vavuniya District, Sri Lanka
2.30-2.35	587	Urban Transformation in Peradeniya: Exploring Challenges and Opportunities in the Context of Emerging Cities in Sri Lanka
2.35-2.40	591	Continuous Hydrological Modelling with HEC HMS For Runoff Simulation: Case of Kotmale Reservoir, Sri Lanka
3.30-3.35	36	Equivalent circuit cell modeling for Battery-type supercapacitors.
3.35-3.40	116	Machine Learning for Anaemia Subtype Classification: A Neural Network Study
3.40-3.45	330	AI-Driven Bio-Sensors for Smart Environmental Monitoring: A Sustainable Approach Using Mimosa pudica
3.45-3.50	442	Integrating Fingerprint Authentication and Two Factor Verification using Arduino, Laravel, and Blockchain-based Vote Logging
3.50-3.55	474	Green Manufacturing Scoring System: Ranking Conventional Production Techniques
3.55-4.00	510	Evaluation of adsorption efficiency of the readily available adsorbents to treat wastewater contaminated with personal care products – Hair dye
4.20-4.25	72	The Influence of Environmental Education on Sustainable Behaviour and Carbon Footprint Reduction Among University Students in Sri Lanka
4.25-4.30	114	Integrating IoT-Enabled Real-Time Data Analytics with Lean Six Sigma for Smart Manufacturing Optimization
4.30-4.35	165	Paddy Husk Powered Electricity Generator
4.35-4.40	287	Opportunities for Food Waste Reduction and Valorization in Supermarkets and Municipal Markets in Colombo, Sri Lanka
4.40-4.45	548	A GIS-Based Interactive Web Platform to Find the Best Accommodation Facilities Around the University of Peradeniya
4.45-5.00		Q And A (Common)

Day 2 (9.30 am to 12.00 noon) SESSION 2 - TRACK 3 - ROOM P3 (POSTER PRESENTATION)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
9.30-9.35	57	Enhancing Acute Lymphoblastic Leukemia Diagnosis Using HSV Color Space Segmentation
9.35-9.40	63	IoT-Enabled Low-Power Wearable Pedometer for Accurate Step Counting and Real-Time Ambient Condition Tracking
9.40-9.45	377	Predicting Mango Ripeness Through Image and Physicochemical Analysis: A Deep Learning Approach
9.45-9.50	452	Real-Time Facial Emotion Recognition Framework for Classifying Mental States of Students in Online Learning Environments Using Deep Learning
9.50-9.55	596	AI driven smart automation model for identifying customer nutrient intake and quantifying plate waste in large scale hotel buffet systems
9.55-10.00	598	A Vision-Based Approach for Nitrogen Deficiency Detection in Chili Plants Using Low-Cost RGB Imaging
10.00-10.05	606	The Study on the Effects of Refrigerator Operational Parameters on Condenser Temperature and Design of a Dryer Utilizing the Waste Heat from the Condenser
10.05-10.10	622	Smart Acne Detection: A Machine Learning Solution for Skincare
10.10-10.30		Q And A (Common)

Track 4: Expanding Frontiers in Basic and Applied Sciences and Mathematics

Day 1 (2.00 pm - 5:00 pm)
SESSION 3 - TRACK 4 - ROOM P4
(POSTER PRESENTATIONS)

Session Chair

Co-chair

TIME	ABSTRACT ID	TITLE
2.00-2.05	155	Making chitosan coated, lecithin -based nanoparticles loaded with fat extract from bitter gourd (<i>Momordica charantia</i>).
2.05-2.10	162	MICROALGAL RICHNESS AS BIOINDICATORS OF ORGANIC POLLUTION IN SELECTED URBAN LAKES IN SRI LANKA
2.10-2.15	167	Isotopic and geochemical profiling of vertical groundwater systems in the western coastal region of Sri Lanka
2.15-2.20	205	Thermal Tolerance and Eco-physiological Stability of <i>Pogonatum urnigerum</i>
2.20-2.25	210	Secure Messaging Through Wheel Graphs: A Rainbow Vertex Antimagic Approach
2.25-2.30	268	Comparative analysis of light harvesting efficiency and photovoltaic efficiency of N719 and D719 Dyes in Dye-Sensitized Solar Cells
2.30-2.35	299	A Tunable Hann-Kaiser Hybrid Window for Adaptive Short-Time Fourier Analysis
2.35-2.40	364	MODELING DENGUE DISEASE SPREAD USING THE SIS MODEL AND LOTKA-VOLTERRA MODEL IN SRI LANKA.
3.30-3.35	402	Facial Bacteria and Comparative Evaluation of Antibacterial Properties of Three Commonly Used Face Wash Products in Sri Lanka
3.35-3.40	407	TEMPORAL VARIABILITY IN PATTERNS OF MUSTH IN CAPTIVE ADULT MALE ASIAN ELEPHANTS (<i>Elephas maximus</i>) IN THE PINNAWALA ELEPHANT ORPHANAGE
3.40-3.45	482	Investigating the Radioactivity Concentration of K-40 in Common Fertilizers Used in Sri Lanka
3.45-3.50	489	High Asymptomatic Cases of Canine Filariasis and Babesiosis Among Dogs Brought to a Veterinary Teaching Hospital: Do Crossbred Dogs Show Tolerance to Filariasis?
3.50-3.55	498	Identification of Two <i>Ganoderma</i> (<i>Ganodermataceae</i> , <i>Polyporales</i>) Species Collected in Central Province, Sri Lanka
3.55-4.00	515	Diversity and distribution of soil mites (<i>Acarina</i>) in Sri Lanka: A preliminary survey with new records
4.20-4.25	556	Phytochemical and Bioactivity Profiling of <i>Andrographis paniculata</i> , <i>Dolichandra unguis</i> , and <i>Thunbergia laurifolia</i>
4.25-4.30	626	Coliform Contamination in Groundwater of CKDu-Endemic Regions in Sri Lanka: Implications for Bacterial Water Quality
4.30-5.00		Q And A (Common)

Track 5: Transforming Business and Management for Sustainable Economic Growth

Day 1 (2.00 pm to 3:30 pm)
SESSION 1 - TRACK 5 - ROOM P4
(POSTER PRESENTATIONS)

Session Chair:

Co-Chair

TIME	ABSTRACT ID	TITLE
2.00-2.05	211	IMPACT OF ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) DISCLOSURE ON THE FIRM'S DIVIDEND POLICY: EVIDENCE FROM LISTED COMPANIES IN SRI LANKA
2.05-2.10	226	The Impact of E-Banking Towards Customer Satisfaction in selected Rural Villages from Vavuniya District
2.10-2.15	292	Reconceptualizing Corporate Social Responsibility in Sri Lanka: A Comparative Legal Approach to Redefining the Corporate Framework for Sustainable Economic Growth
2.15-2.20	604	Impact of Green Supply Chain Management Practices on Export Performance in Sri Lankan Ceramic and Porcelain Industry
2.20-2.30	604	Q And A (Common)

Track 6: Humanities and Social Sciences in a Rapidly Changing World

Day 2 (2:00 pm -5.00 pm)
SESSION 3 - TRACK 6 - ROOM P3
(POSTER PRESENTATIONS)

Session Chair		
Co-chair		
TIME	ABSTRACT ID	TITLE
2.00-2.05	4	Migration of Adult Children and Left-Behind Elderly Parent's Physical, Mental and Social Well-being
2.05-2.10	9	Galenic Dietetics in the 21st Century: Rethinking Ancient Nutritional Theories in the Age of Contemporary Dietary Trends
2.10-2.15	266	Perceived causes of depression as explained by the family members of an individual with depression.
2.15-2.20	315	Exploring Spiritual Dimensions in End-of-Life Care: Insights Across Religious Traditions in Sri Lanka
2.20-2.25	356	Social Wellness and Group Dynamics in Bharatanatyam for Women Over 50 in Sri Lanka
2.25-2.30	105	A Study of How Temple Paintings Promote Mental Health and Social Well-being
2.30-2.35	446	Chants Related to the Natha Deva Faith (Based on the Natha Devalaya at Dodanwala in Kandy)
2.35-2.40	421	A study on using forum theatre as a therapy for women affected by sexual harassment in the workplace.
3.30-3.35	541	Colonialism, Capitalism and Performing Arts: Impact of Parsi Theatre Companies on Performing Arts of Sri Lanka
3.35-3.40	28	The Role of Overarching Constitutional Provisions in Eradicating Contemporary Social Injustices: A Comparative Analysis of Article 12(1) of the Sri Lankan Constitution and Article 21 of the Indian Constitution.
3.40-3.45	644	A historical investigation into the legal system and judicial proceedings during the Kandyan Kingdom (Based on local and foreign literary sources written in this period)
3.45-3.50	103	Awareness of Copyright Law in Sri Lankan Television Musical Realities with special reference to Voice teens and Dream Star
3.50-3.55	129	Artificial Intelligence and Governance: Ethical Implications on Policy Decision-Making in Sri Lanka.
3.55-4.00	314	Investigation On the Extent and Consequences of Noise Pollution in a Historical City of Sri Lanka: A Case Study
4.20-4.25	138	Teachers' Perceptions of Integrating Digital Literacy in to English Language Teaching and Its Impact on 21st-Century Skills Development in Sri Lankan State Universities
4.25-5:00		Q and A (Common)

Track 7: Reimagining Education, Policy, and Governance for the 21st Century

Day 2 (3.30 to 5pm)
SESSION 2 - TRACK 7 - ROOM P4
(Poster PRESENTATIONS)

Session Chair

Co-chair

TIME	ABSTRACT ID	TITLE
3.30-3.40	38	Enhancing Professional Development in Physics Education through Autonomy-Supportive Intervention Program: An Experimental Study in Jaffna Educational Zone
3.40-3.50	297	AI-Driven Personalized Higher Education Opportunity Selection System
3.50-4.00	560	ICT Training Needs of the Management Assistants: A Case Study in a State University, Sri Lanka.
4.00-4.30		Q and A (common)