

# 8<sup>th</sup> Biennial Conference of the South Asian Association of Physiologists & 35<sup>th</sup> Anniversary Academic Sessions of the Physiological Society of Sri Lanka

11<sup>th</sup> - 13<sup>th</sup> November 2022, Colombo, Sri Lanka

11<sup>th</sup> November 2022: Pre-conference workshop on autonomic function testing  
 12<sup>th</sup> and 13<sup>th</sup> November: Main conference  
 19<sup>th</sup> November 2022: Post congress workshop on Online Assessment in Pre-clinical sciences jointly organized with the National University of Singapore

12<sup>th</sup> November 2022

8.00 am	Registration	
<b>Inauguration-Mihilaka Medura (Hall A)</b>		
8.30 am	Ceremonial Procession	
8.35 am	National Anthem	
8.40 am	Traditional Lighting of Oil Lamp	
8.50 am	Welcome Address by President – Physiological Society of Sri Lanka – Prof Piyusha Atapattu	
8.55 am	Address by the President – South Asian Association of Physiologists – Prof Kusal Das	
9.05 am	Address by the Conference Co-chair – Prof Dinithi Fernando	
9.10am	Address by the Chief Guest – Prof Susirith Mendis	
9.20 am	Presentation of the Awards Professor KN Seneviratne Memorial Research Award Professor KN Seneviratne Memorial Award for Physiology Winners of Inter-Medical Faculty Physiology Quiz 2022	
9.30 am	Launching of Sri Lanka Journal of Physiology	
9.40am	K N Seneviratne Oration – Prof Deepthi de Silva <i>Insights into physiology through the study of rare genetic diseases</i>	
10.25 am	Vote of Thanks by the Secretary PSSL – Dr Chamila Dalpatadu	
10.30am	Tea	
11.00 am	<b>Keynote address – Prof Kusal Das-Mihilaka Medura (Hall A)</b> <i>Low oxygen microenvironment and vascular pathophysiology</i>	
	<b>Session 1-Mihilaka Medura (Hall A)</b>	<b>Session 2-Hybrid room (Hall B)</b>
11.30am	<b>SAAP sessions – Bangladesh Respiratory and endocrine physiology</b> <i>The effect of mosquito coils on pulmonary functions in adults – Prof Rokeya Begum</i> <i>Vitamin B<sub>12</sub> level in type 2 diabetes mellitus treated with Metformin – Prof Chandra Rani Sarkar</i> <i>Effects of thyroxine with vitamin B12 on electrophysiological changes in median nerve of newly diagnosed hypothyroid female patients – Prof Nayma Sultana</i>	<b>SAAP sessions – India Cardiovascular physiology</b> <i>Cardiovascular readjustment during gravitational manipulations around zero and the effect of active gravitational loading/unloading – Prof K K Deepak</i> <i>Vitamin D deficiency in cardiovascular diseases – Prof Lata Mullur</i> <i>Effect of Hot and Humid Environment on Exercise Performance: Role of Carbohydrate Electrolyte Drink – Dr Indranil Manna</i>
12.30pm	<b>Invited lecture 1 – Prof Sharaine Fernando</b> <i>Sex hormones, lung functions and the implications</i>	<b>Invited lecture 2 – Prof Sampath Gunawardena</b> <i>Health effects of asbestos: Sri Lankan perspective</i>
1.00pm	Lunch and poster viewing	
2.00pm	Free paper session 1- <b>Mihilaka Medura (Hall A)</b>	Free paper session 2- <b>Hybrid room (Hall B)</b>
3.00pm	<b>PSSL symposium Gastrointestinal physiology</b> Novel insights into pathophysiology of gastrointestinal disorders <i>Use of genetics in the diagnostics and therapeutics in gastrointestinal disorders – Prof Subra Kugathasan</i> <i>Psychological determinants of childhood constipation – Prof Shaman Rajindrajith</i> <i>Dyspepsia and diet – Dr Nilanka Anjalee Wickramasinghe</i>	<b>PSSL symposium Physiology of ageing</b> <i>Physiology of gait – Prof Dilshani Dissanayake</i> <i>Gait and falls in older adults – Prof Stephen Lord</i> <i>Gait and balance impairment – at the bedside – Dr Barana Millawithana</i>
4.00pm	<b>Presentation by K N Seneviratne Research Award Recipient 2021 – Dr Manori Vijayakumari-Mihilaka Medura (Hall A)</b> <i>The association between asthma and functional abdominal pain disorders in the paediatric population: common pathophysiological mechanisms causing this association</i>	
4.30pm	<b>Carlo Fonseka Oration – Prof Panduka Karunanayake-Mihilaka Medura (Hall A)</b> <i>Rediscovering Physiology in Contemporary Medicine: The Foundational Insights of Claude Bernard</i>	
5.15pm	Tea	
5.45pm	Annual General Meeting of the SAAP- <b>Hybrid room (Hall B)</b>	

13th November 2022

	<b>Session 1-Mihilaka Medura (Hall A)</b>	<b>Session 2-Hybrid room- Hybrid room (Hall B)</b>
8.30 am	<b>Invited lecture by SAAP senior member – India</b> Prof Amar K Chandra <i>Green tea catechins interrupt thyroid hormone synthesizing enzymes and regulatory factors leading to thyroid disruption – an in vitro study</i>	<b>Invited lecture by SAAP senior member – Nepal</b> Prof Rita Kadka <i>Cardiac parasympathetic activity and reactivity reduce earlier than cardiac sympathetic activity in patients with type 2 diabetes mellitus</i>
8.45 am	<b>Invited lecture by SAAP senior member – Pakistan</b> Prof Muhammad Aslam <i>Fostering trans-disciplinary learning for better healthcare</i>	<b>Invited lecture by SAAP senior member – Bangladesh</b> Prof Noorzahan Begum
9.00 am	<b>Guest lecture 1</b> – Prof Niranga Devanarayana <i>A 20-year perspective on gastrointestinal motility assessment in clinical practice</i>	<b>Guest lecture 2</b> – Prof Amaranath Karunanayake <i>Physiological blockchain in digital health</i>
9.30 am	<b>SAAP sessions Nepal</b> <b>Altitude physiology</b> High altitude research in Nepal  <i>High altitude research in Nepal: Scopes and blocks – Dr Mrigendra Amatya</i> <i>Changes in cardiovascular autonomic function in Nepalese high-altitude dwellers – Dr Rita Khadka</i> <i>Congenital color vision deficiency in children living in high altitude of Nepal – Dr Sushil Kharel</i> <i>Rapid ascent to high altitude destinations in the Himalayas; an alarming phenomenon – Dr Santosh Baniya</i>	<b>SAAP sessions Pakistan</b> <b>Renal physiology</b>  <i>Can bladder learn to behave with different people under unfavourable circumstances? – Prof Samina Malik</i> <i>Clinical aspects of fluid and electrolyte balance – Prof Rehmani Lakho</i> <i>Dramatization of counter current mechanism – Prof Samina Malik</i>
10.30 am	Tea	
11.00 am	<b>Guest lecture 3</b> – Prof Tharaka Dassanayake <i>Cognitive effects of L-theanine, a constituent of tea: neurobehavioural, neurophysiological and neuroimaging evidence</i>	<b>Guest lecture 4</b> – Dr Chandana Hewage <i>What is more important in life: ability to inhibit or ability to stimulate?</i>
11.30 am	<b>PSSL symposium</b> <b>Reproductive physiology</b> <i>Overview of Placental Extracellular Vesicles in health and disease – Prof Manu Vatish</i> <i>Kynurenine metabolism in pre-eclampsia – Dr Prassana Logenthiran</i> <i>Neonatal sequela of pregnancy induced hypertension – Dr Nimesha Gamhewage</i>	<b>PSSL symposium</b> <b>Neurophysiology</b> <i>Probe the peripheral nerve pathology with electrodiagnostics – Dr Sudath Gunasekera</i> <i>Overview of NMJ disorders – Prof Ajini Arasalingam</i> <i>Overview of muscle disorders – Dr Kishara Gooneratne</i>
12.30pm	<b>Guest lecture 5</b> – Dr Sujanthi Wickramage <i>Mindfulness – From calamity to tranquility</i>	<b>Guest lecture 6</b> – Prof Janaka Lenora <i>Pregnancy, Breastfeeding and Bone Health</i>
1.00pm	Lunch and poster viewing	
2.00 pm	Free paper session 1- <b>Mihilaka Medura (Hall A)</b>	Free paper session 2- <b>Hybrid room (Hall B)</b>
3.00pm	<b>Panel discussion on Respiratory physiology</b> Every breath we take... air pollution induced deranged respiratory physiology  <i>Moderated by Dr Lakmali Amarasiri</i> <i>Panelists:</i> <i>Dr Yamuna Rajapakse</i> <i>Dr Nayomi Ranathunga</i> <i>Dr Shashanka Rajapakse</i> <i>Dr Gihani Jayaweera</i> <i>Dr Sumal Nandasena</i>	<b>Panel discussion on Sleep physiology</b> Breathing When Asleep: a panel discussion on sleep physiology  <i>Moderated by Dr Dilesha Wadasinghe</i> <i>Panelists:</i> <i>Dr Sudath Gunasekera</i> <i>Dr Shirmila Withana</i> <i>Dr Ridma Jayarathna</i>
4.00pm	<b>Valentine Basnayake Oration</b> – Prof Savithri Wimalasekera- <b>Mihilaka Medura (Hall A)</b> <i>Physical activity and Cardiopulmonary function in health and disease</i>	
4.45pm	<b>Closing ceremony-Mihilaka Medura (Hall A)</b> Presentation of awards Address by the President of SAAP Closing remarks – Prof Indu Nanayakkara Conference co-chair	
5.00pm	Tea	
5.30 pm	AGM-PSSL- <b>Hybrid room (Hall B)</b>	