



RISTCON 2021

**8th Ruhuna International Science and Technology
Conference**

17th February 2021

**Faculty of Science
University of Ruhuna
Matara, Sri Lanka**

Inauguration Session

Venue: New Senate Room, University of Ruhuna

- 08:00 am Arrival of the Chief Guest & Guests of Honours
- 08:05 am Lighting the Traditional Oil Lamp
- 08:15 am University Anthem
- 08:20 am Welcome Address by *Dr. Sunanda Kodikara*,
Chairperson/RISTCON 2021
- 08:30 am Address by *Professor P. A. Jayantha*,
Dean, Faculty of Science, University of Ruhuna
- 08:45 am Address by the Chief Guest *Senior Professor Sujeewa Amarasena*,
Vice Chancellor, University of Ruhuna
- 09:00 am Keynote Address by *Dr. Daniel Gorman*,
University of Western Australia, Australia.
'The rise of blue carbon science in Sri Lanka: conservation,
restoration and resilience'
- 10:00 am Speech by French Ambassador *Mr. Eric Lavertu*
- 10:20 am Vote of Thanks by *Dr. Nusrath Hameed*,
Joint Secretary/RISTCON 2021
- 10:30 am National Anthem

Oral and Poster Sessions Program Summary

Time	Topic
11:00 am– 1:00 pm	Oral Sessions via Zoom
1:00 pm – 1:30 pm	Lunch Break
1:30 pm – 2:00 pm	Plenary lecture by <i>Prof. Ragupathy Kannan</i> University of Arkansas Fort-Smith, Arkansas, USA https://learn.zoom.us/j/65957947830?pwd=UXkzSXV4R3doOU5oanFJV3Y2V3E2UT09
2:00 – 4:00 pm	Poster Sessions via Zoom
2:00 – 4:00 pm	FSPI-SEDRIC Project presentations
4:00 pm	Closing the Program

Category A

Agriculture, Botany, Molecular Biology & Biotechnology

Category B

Biochemistry & Biophysics, Chemistry, Ecology, Environmental Science, Oceanography

Category C

Fisheries & Aquaculture, Medical & Health Sciences, Veterinary Science, Zoology

Category D

Computing & Information Systems, Engineering, Mathematics & Statistics, Modeling & Simulation, Nanotechnology, Physics & Geophysical Science, Quantum Science

Oral Presentations – Category A

Session A-I

Panel Members:

1. Chairperson: Prof. G.C. Samaraweera, Department of Agricultural Economics, University of Ruhuna
2. Dr. W. G. S. Manel Kumari, Department of Botany, University of Ruhuna

Convener: Mr. D. D. N. Sripal, Department of Botany, University of Ruhuna

Co-host: Ms. G. K. Mabula, Department of Computer Science, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/65723503368?pwd=UzhqVFFVK3BzbnJ4N2I5MTV1K015UT09>

Time	Abstract ID	Title
11:00 am	A10	Effect of Cow Urine-based Plant Extracts Against Maize Weevil (<i>Sitophilus Zeamais</i>) on Different Pulse Grains <u>Niranjana R. F.</u> , Karunakaran S. and Niffiah M. R. F.
11:15 am	A20	Physicochemical and Functional Properties of Flours Obtained from <i>Dioscorea Alata</i> and <i>Dioscorea Esculenta</i> Yams Available in Sri Lanka <u>Chiranthika N. N. G.</u> , Gunathilake K. D. P. P., and Chandrasekara A.
11:30 am	A33	Chemical, Physicochemical, Rheological Characterization and Antioxidant Properties of Malabar Spinach (<i>Basella Alba</i>) Seed Mucilage <u>Sandaruwan N. K. H.</u> and Gunathilake K. D. P. P.
11: 45 am	A56	Effect of Nano-CuO and Nano-ZnO Micronutrient Fertilizers on Physiological Parameters of Selected Rice (<i>Oryza Sativa L.</i>) Varieties <u>Sandanayake C.L.T.</u> , Weerakoon, S., Somaratne S. and Karthikayan N.
12:00 pm	A32	Screening of Rice Varieties for Bacterial Leaf Blight under Different Inoculum Concentrations <u>Sandamini W.G.S.</u> , Tharaka W.H.H., Dilhani N.H.L.T., de Silva S.Y.S.D., Millawithanachchi M.C. and Vithanage M.U.A.
12:15 pm	A52	Effects of Volatile Organic Compounds of <i>Morinda Citrifolia L.</i> (“Ahu”) Leaves on Second- Stage Juveniles of <i>Meloidogyne Javanica</i>. <u>de Silva G.H.V.S.</u> and Premachandra W.T.S. D

Session A-II

Panel Members:

1. Chairperson: Prof. A.L. Ranawake, Department of Agricultural Biology, University of Ruhuna
2. Prof. K. Masakorala, Department of Botany, University of Ruhuna

Convener: Mrs. Jayani Perera, Department of Botany, University of Ruhuna

Co-host: Mr. Isuru Wijesundara, Department of Botany, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/68682444510?pwd=KzRybVRDZ0RBaTB0UjcwSTZwK3ZVQT09>

Time	Abstract ID	Title
11:00 am	A11	Characterization of Drought Resistance of Some Selected Traditional Rice Varieties of Sri Lanka <u>Weerasekara W.B.M.I.I.T.</u> and <u>Munasinghe M.L.A.M.S.</u>
11:15 am	A17	Identification of Selected Vegetable Seed-Associated Fungi and Their Susceptibility to Fungicides <u>Jayarathna B. W. K. S. B.</u> , <u>Rasara K. W. J.</u> , <u>Wijesundara W.W.M.U.K.</u> , <u>Athukorala A. D. S. N. P.</u> , <u>Sooriyapathirana S. D. S. S.</u> , <u>Priyantha M.G.D.L.</u> , and <u>Gama-Arachchige N. S.</u>
11:30 am	A24	Potassium Solubilizing Serratia Species for Growth Promo <u>Jayasinghe J. A. S. G.</u> and <u>Athukorala A. D. S. N. P.</u>
11:45 am	A34	Functional Properties of Averrhoa Bilimbi Aerial Parts and Silver Nanoparticles Synthesized using Its Fruit Extract <u>Jayawardane K.M.</u> and <u>Gunathilake K.D.P.P</u>
12:00 pm	A35	Bioactive Potential of Phlorotannins from Sargassum Turbinatiform and The Effect of Encapsulation on Its Bioactivity <u>Kaushalya K.G.D.</u> , and <u>Gunathilake K.D.P.P.</u>
12:15 pm	A54	Effect of Polyamines on Seed Germination of Tomato under Water Stress <u>Madushani G.D.A.</u> and <u>Wimalasekera R.</u>
12:30 pm	A41	Isolation and Characterization of Bacteriophages Infecting Pectobacterium Spp. causing Soft Rot in Carrots <u>Naligama N. K. N.</u> and <u>Halmillawewa A. P.</u>

Oral Presentations – Category B

Session B-I

Panel Members:

1. Chairperson: Prof. V. B. Bulugahapitiya, Department of Chemistry, University of Ruhuna
2. Dr. H. Manawadu, Department of Chemistry, University of Ruhuna

Convener: Dr. J. S. Hewage, Department of Chemistry, University of Ruhuna

Co-host: Mr. L.S.N.S. Lamahewage, Department of Chemistry, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/61831119802?pwd=Z2RjenNoamp0cm9KcFhhYTdaUnkwZz09>

Time	Abstract ID	Title
11:00 am	B02	Positional Variation of Oils Extracted from the Stem of Ceylon Cinnamon (<i>Cinnamomum zeylanicum</i> Blume): Qualitative and Quantitative Comparison <u>Wijeweera A. A.</u> , Hewage J. W., Wadumethrige S. H., Hettiarachchi S. R., and Jayasinghe G. G.
11:15 am	B08	Agroecological dependence of the Quantity of Phytochemicals in Barks of Ceylon Cinnamon, (<i>Cinnamomum zeylanicum</i> Blume) <u>Wijeweera A. A.</u> , Madhushika, K.T.S, Wadumethrige S.H., Hewage J. W., <u>Hettiarachchi S. R.</u> and Jayasinghe G. G.
11:30 am	B11	Phosphate Solubilizing and PAH-Degrading Bacterial Isolates Associated with Kadol Kele Mangrove <u>Naligama N. K. N.</u> , and Halmillawewa A. P.
11:45 am	B13	Preliminary Investigation of Culture Filtrates of <i>Mucuna Pruriens</i> Endophytic Fungi for the Presence of L-Dopa <u>Yalini S.</u> and Liyanaarachchie L.C.P.T.
12:00 pm	B17	Solvent-Free Microwave Assisted Synthesis of Oxindole Derivatives as Effective Antifungal Agents <u>Wijekoon H.P.S.K.</u> , Palliyaguru N.P.L.N., Gunasekara T.D.C.P., Fernando S.S.N., Jayaweera P.P.M., and Kumarasinghe K.G.U.R.
12:15 pm	B38	Polyaromatic Hydrocarbons (Pahs) Degradation Ability of Pseudomonas Stutzeri Isolated from Phyllosphere of Urban Areas in Sri Lanka <u>Dharmasiri R.B.N.</u> , Nilmini A.H.L, Undugoda L.J.S., Nugara N.N.R.N., Udayanga D. and Pathmalal M.M.
12:30 pm	B26	Effect of Agro-Ecological Variation on Growth and Cinnamon Oil Yield of Ceylon Cinnamon (<i>Cinnamomum Zeylanicum</i> Blume) <u>Wijeweera A. A.</u> , Hewage J. W., Wadumethrige S. H., Hettiarachchi S. R. and Jayasinghe G. G.

Session B-II

Panel Members:

1. Chairperson: Prof. J. W. Hewage, Department of Chemistry, University of Ruhuna
2. Panel member: Prof. L. A. Panamgama, Department of Chemistry, University of Ruhuna

Convener: Dr. Y. M. A. L. W. Yapa, Department of Chemistry, University of Ruhuna

Co-host: Mr. Y. Sudusinghe, Department of Chemistry, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/67027984013?pwd=RlhwcHNtQ3g4bUU0cTFjNFFTZis1UT09>

Time	Abstract ID	Title
11:00 am	B28	Scientific Investigation of Ayurvedic Formulation, “Nishadi Churnaya” for Its Antioxidant Capacity and Activity Towards Anti Glycation Pathways Manawadu H. C., <u>Chathumalee M.A.D.D.</u> , Bulugahapitiya V.P. and Raigamkoralage R.
11:15 am	B29	Phytochemical Screening, Proximate Composition and Antioxidant Properties of Rhinacanthus Nasutus (Heen Aniththa) Jayasekara H.D., <u>Fernando P.T.N.</u> and Bulugahapitiya V.P
11:30 am	B31	Determination of Antioxidant, Anti-Bacterial, and Moisturizing Efficacy of Aloe Barbadensis Miller <u>Hashani S.P.N.</u> , and Edirisinghe E.M.R.K.B.
11: 45 am	B33	Preliminary Study of Antioxidant Action of Sri Lankan Curry Powder <u>Amarasekara E.A.P.T.</u> and Kadigamuwa C.C.
12:00 pm	B34	Antioxidant Properties of Some Selected Medicinal Plants <u>Samarakoon D.N.A.W.</u> , Siriwardhene M.A., Sirimuthu N.M.S., and Uluwaduge D.I.
12:15 pm	B36	Coccinia Grandis (L) Voigt Freeze Dried Powder: Phytochemical Fingerprints, Proximate Analysis and Nutritional Composition <u>Wasana K.G.P.</u> , Attanayake A.P., Arawwawala L.D.A.M., Weerarathna T.P. and Jayatilaka K.A.P.W.

Session B-III

Panel Members:

1. Chairperson: Dr. M. Edussuriya, Department of Chemistry, University of Ruhuna
2. Panel member: Dr. C. N. Ratnaweera, Department of Chemistry, University of Ruhuna

Convener: Dr. W.K.K.D. Siriwardana, Department of Chemistry, University of Ruhuna

Co-host: Ms. K. K. D. M. P. Wijekoon, Department of Chemistry, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/61070856356?pwd=ZGhpMnovZ3hvT3Zub1R2RTJwOEIdz09>

Time	Abstract ID	Title
11:00 am	B46	Purification of Carbon Black Generated from Passenger Car Tyre Pyrolysis for Dry Rubber Industry <u>Harindra T.N., Kithmini N.C.Y., Attanayake A., Hewage J.S. and Ranaweera A.S.</u>
11:15 am	B49	Synthesis and Structural Characterization of Dinuclear Zinc Complex of N,N'-Bis(2-Pyrazolyl-4-Methylphenyl) Formamidinate <u>Gunasena W.M.S.S., Ranaweera A.S. and Hewage J.S.</u>
11:30 am	B03	Cobalt Codoped Silver-Zinc Oxide Micro-Particles for Photocatalytic Degradation of Textiles Dyes under Sunlight <u>Perera G.L.M.O., Kalutharage N.K and Hewage J.W.</u>
11:45 am	B16	DFT/TD-DFT Investigation of Linear and Nonlinear Optical Properties of Porphyrin-Bridged Push-Pull Ruthenium Complexes <u>Fernando W. K. B. S. T. and Kodikara M. S</u>
12:00 pm	B19	Evaluation of Kaolin Clay and Palm Oil Boiler Fly Ash as an Adsorbent for Removing Methylene Blue Dye in Wastewater <u>Jayasinghe U.J. and Wijetunga S.</u>
12:15 pm	B50	Synthesis and Characterization of Succinyl Chitosan Nanoparticle and Study their Applications in the Biomedical Field <u>Hemantha S.H.G.I.S., Dananjaya S.H.S., Gangabadage C.S. and Yapa Y.M.A.L.W.</u>

Oral Presentations – Category C

Session C-I

Panel Members:

1. Chairperson: Prof. N.J.de S. Amarasinghe, Department of Zoology, University of Ruhuna
2. Prof. K.B.S. Gunawickrama, Department of Zoology, University of Ruhuna

Convener: Dr. W. A. H. P. Guruge, Department of Zoology, University of Ruhuna

Co-host: Ms. N. Wijeweera, Department of Zoology, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/67770729475?pwd=ZEcwTkluSWFTNytsUll2Zzd1Uk5NUT09>

Time	Abstract ID	Title
11:00 am	C12	The Evaluation of Quality of Life in Patients with Peripheral Neuropathy in Type 2 Diabetes Mellitus in Three Specialized Diabetes Centres in Sri Lanka Kariyawasam. B.D., Gunawardana. D.K., Herath.P.D. Salgado.S. Ranadeva.N.D.K. Gunarathna.I.E. and Kottahachchi .D.C.
11:15 am	C16	Comparison of Diagnostic Methods and Analysis of Socio-demographic Factors of Trichomonas Vaginalis Infection <u>Herath H.M.S.P.</u> , Iddawela W.M.D.R. and Wickramasinghe W.D.S.J.
11:30 am	C30	Formulation of Optimized Dapsone Skin Cream for the Use of Acne Vulgaris <u>Fathima R.</u> , Suraweera R.K. and Wickramaratne D.B.M.
11:45 am	C07	Standardization of Plectranthus amboinicus (Lour.) Spreng Aerial parts using phytochemical, physico-chemical and HPTLC parameters <u>Silva P.D.S.A.</u> , Hapuarachchi S.D., Kodithuwakku N.D. and Perera P.K.
12:00 pm	C33	A Survey on Sand Flies in Selected Sites of Dickwella (Matara District), Sri Lanka <u>Nayanani D.G.P.</u> , Sudarshani K. A. M, and Wegiriya H. C. E
12:15 pm	C34	Phylogeographic Relationships and Evaluation of Proximate Composition of Golden Trevally, Gnathanodon Speciosus (Forsskål, 1775) In Sri Lanka. <u>Rupasinghe M.A.M.</u> and Munasinghe D.H.N.M
12:30 pm	C22	Anthropometry and Vertical Jump Height of National Taekwondo Players <u>Dissanayake D.P.U.U.</u> , Bandara D.A.S.D and Weerasinghe S.

Session C-II

Panel Members:

1. Chairperson: Prof. W.S.T.D. Premachandra, Department of Zoology, University of Ruhuna
2. Prof. R. Hettiarachchi, Department of Chemistry, The Open University of Sri Lanka

Convener: Mr. Dammika Wijekoon, Department of Zoology, University of Ruhuna

Co-host: Mr. Gihan Chathuranga, Department of Computer Science, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/9699337854?pwd=bmVvQjRHMVd3ZFRJbTdVYlNhV0IxUT09>

Time	Abstract ID	Title
11:00 am	C06	MEFV Gene Polymorphism and Gastric Microbial Diversity among the Dyspeptic Patients Presented to Endoscopic Clinic Colombo South Teaching Hospital, Sri Lanka. <u>Weerasinghe G.G.Y.H</u> , Gunasekara T.D.C.P, Weerasekera M.M. and Fernando S.S.N
11:15 am	C11	Investigation of Antioxidant, Anti-Inflammatory and Acetylcholinesterase Enzyme Inhibitory Activities of Ceylon Green Tea <u>Gunarathne M.V.H.S.</u> , Sathya S., Jayasinghe L. and Amarasinghe N.R
11:30 am	C20	Determination of Antacid Potential of Aqueous, Ethanolic and Hexane extracts of <i>Evolvulus alsinoides (L.) L.</i> <u>Ruberu T.I.S.</u> , Jayasuriya W.J.A.B.N., Arawwawala L.D.A.M., Suresh T.S., Palliyaguru L.N. and Jayaweera P.M.
11:45 am	C25	Development of Antioxidants Rich Herbal Tea Bags and Determination of the Effect of Infusion Conditions on Antioxidant Activities. <u>Silva P.D.S.A.</u> and Hettihewa S.K.
12:00 pm	C27	Formulation of a Novel Herbal Emulgel using <i>Leea Indica (Burm.F.) Merr. (Burulla/Gurulla)</i> Leaf Extract and Evaluation of In-Vitro Anti-Inflammatory and Antioxidant Activities <u>Srilal T.L.I</u> and Hettihewa S.K.
12:15 pm	C36	Antioxidant Activity of <i>Mangifera Zeylanica</i> Stem Bark of Different Extracts <u>Gunawardana S.L.A.</u> , Sirimuthu N.M.S., Gunasekara T.D.C.P. and Siriwardhene M.A.
12:30 pm	C02	Nutritional Properties of Two Formulated Diets using Fisheries By-Products: An Alternative for Fish Meal in Fish Diets <u>Premawansa K. K. K.</u> , Sæther B.S, de Silva M.P.K.S.K and Gunawickrama K. B. S.
12:45 pm	C28	Analysis of Phenolic Contents and In-Vitro Sunscreening Activity of Different Solvent Extracts Obtained from <i>Nymphaea Nouchali (Nil Manel)</i> Flower Hettihewa S. K, <u>Thilakarathna P. A. B. M</u> , and Dissanayake. A. S.
1:00 pm	C31	Short Term Variation in Liver Somatic Index, Erythrocyte Nuclear Abnormalities And Biliary PAH Metabolite Levels of <i>Oreochromis Niloticus</i> upon Experimental Exposure to Water-Borne Crud <u>Piumali G.D.S.R.</u> , Gunawickrama S.H.N.P. and Gunawickrama K.B.S

Oral Presentations – Category D

Session D-I

Panel Members:

1. **Chairperson:** Prof. K. K. A. S. Yapa, Department of Physics, University of Ruhuna
2. Dr. K. P. S. Jayatilleke, Department of Physics, University of Ruhuna

Convener: Dr. N. T. Wickramasuriya, Department of Physics, University of Ruhuna

Co-host: Mr. K. A. S. Lakshan, Department of Physics, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/69141308323?pwd=ZUZxRlhyMm1LL3Zia2VxdWladHRPZz09>

Time	Abstract ID	Title
11:00 am	D09	Electrodeposition of CdS Window Layer on ZnS Buffer Layer for Solar Cell Applications <u>Madhuwanthi H. M. L. U., Mahanama G. D. K. and de Silva D. S. M.</u>
11:15 am	D11	Development of a Low-Cost High-Resolution Multi Grating Spectrometer Controlled by Arduino <u>Wijethunga M.V., Abeywickrama S.S. and Perera H.A.D.S.D.</u>
11:30 am	D13	A Preliminary Study on Age-Based Formant Analysis of Sinhala Vowels <u>Alwis P.H.A.S., Bodhika J.A.P., Ranatunga E.M. and Jayasekara L.A.L.W.</u>
11:45 am	D17	Vein Graphite/TiO₂ Based Composite Counter Electrode for Dye-Sensitized Solar Cells <u>Senthuran S., Kumari J.M.K.W., Dissanayake M.A.K.L. and Senadeera G.K.R.</u>
12:00 am	D30	Application of Cauli-Flower Shaped Polyaniline (PANI) and Tin Oxide (SnO₂) Composite Counter Electrode for Dye-Sensitized Solar Cells <u>Kumari J.M.K.W., Dissanayake M.A.K.L., and Senadeera G.K.R.</u>
12:15 pm	D34	The Photovoltaic Performance of CdS Quantum Dots Sensitized Solar Cell using Ag/TiO₂ Photoanode <u>Sandamali W., Senadeera G.K.R., Dissanayake M.A.K.L., Jaseetharan T., Perera V.P.S., Rajendra J.C.N., Karthikeyan N and Wijenayaka L.A.</u>
12:30 pm	D61	Gel-Polymer Electrolytes Based on Poly (Methyl Methacrylate) Host Polymer for Sodium-Ion Rechargeable Batteries <u>Jayamaha J.H.T.B., Jathushan V., Rajakaruna R.P.P.D., Vignarooban K., Sashikesh G. and Velauthamurty K.</u>
12:45 pm	D67	Sound Absorptive Behavior of Coleus Forskohlii: Plectranthus Scutellarioides <u>Amarasingha N. D., Bodhika J.A.P, Dharmaratna W.G.D and Jayatissa L. P.</u>
1:00 pm	D70	Improving the Performance of the Photocatalytic Activity of Cu And S Co-Doped TiO₂ Nanoparticles <u>Kondarage Y.G. and Senarathna K.G.C.</u>

Session D-II

Panel Members:

1. Chairperson: Prof. P.A. Jayantha, Department of Mathematics, University of Ruhuna
2. Dr. B.G.S.A. Pradeep, Department of Mathematics, University of Ruhuna

Convener: Dr. K.D. Prasangika, Department of Mathematics, University of Ruhuna

Co-host: Dr. H.L. Jayatileke, Department of Mathematics, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/68739718950?pwd=UmxaK1pkYXFwVUc5T0FpM1QzT1JWQT09>

Time	Abstract Id	Title
11:00 am	D21	A Modified Public Key Cryptosystem Based on the Elgamal Algorithm <u>Athurugiriya K.A.P.S.</u> and Ranasinghe P.G.R.S.
11:15 am	D26	Application of the Method of Directly Defining the Inverse Mapping to Fingering Phenomenon in the Oil Industry <u>Sahabandu. C.W.</u> , Karunarathna.W.H.D.T. and Dewasurendra M.
11:30 am	D28	Modeling and Forecasting Monthly National Coconut Production in Sri Lanka Using Time Series Analysis <u>Wickramarathne R.H.M</u> and Chandrasekara N.V.
11:45 am	D35	Explanatory Analysis: Factors That Contribute to the Happiness of Women, Who Lead Households in Jaffna District <u>Vethanayahan V.</u> and Abeygunawardana R.
12:00 pm	D55	An Application of Wavelet Based Density Estimation in S&P SI20 Index Of Colombo Stock Exchange (CSE) <u>Ratwatte A.M.</u> , Abeyratne M.K. and Geeganage S.D.L.
12:15 pm	D73	On Some Properties of the Regular Multinomial Model and Algebraic Multinomial Model Associated with Biochemical Reaction Networks <u>Yapage N</u>
12:30 pm	D10	Modeling Exchange Rate Volatility and Detection of its Attributes <u>Munasinghe P.C.</u> and Appuhamy P.A.D.A.N.
12:45 pm	D43	A Method to Compute Unitaries Representing Reducible Minimal Inner Toral Polynomials using Direct Sum <u>Dissanayake C.S.B.</u> and Wijesooriya U.D.
1:00 pm	D12	Chromatic Polynomial of Snow Graph <u>Kapuhennayake K.M.P.G.S.C.</u> and Perera A.A.I.

Session D-III

Panel Members:

1. **Chairperson:** Mr. A. Lorensuhewa, Department of Computer Science, University of Ruhuna
2. Dr. W. A. Indika, Department of Computer Science, University of Ruhuna

Convener: Dr. W. A. Mohotti, Department of Computer Science, University of Ruhuna

Co-host: Ms. H.D.S. Shashikala, Department of Computer Science, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/64622310254?pwd=L1k3YUUyckVCSmk0NVVVSbWpEbmg3QT09>

Time	Abstract Id	Title
11:00 am	D04	Visual Speech Recognition for Sinhala Language using CNN <u>Jayarathne W.M.U.</u> , Perera W.A.S.C. and Ketheesan T.
11:15 am	D39	Comparative Study on Machine Learning Performances in Recognition of Off-Line Tamil Handwritten Signatures using Structure and Gradient Features <u>Bharathraman G.</u> , Ramanan M. and Thadchanamoorthy S.
11:30 am	D15	A Biomedical Image Processing Approach to Detect Diabetic Retinopathy using Convolutional Neural Network (CNN) <u>Uthpala H.A.T.</u> and Rathnayaka R.M.K.T
11:45 am	D44	Translation of Sri Lankan Sign Language to Text using Hand Keypoints and Image Processing Perera L.L.D.K. and Jayalal S.
12:00 pm	D50	RNN and LSTM Based Approach to Predict the Severity of Traffic Accidents of Highway System: A Case Study from Southern Expressway, Sri Lanka. <u>Dhananjaya H.W.T.</u> and Rathnayaka R.M.K.T.
12:15 pm	D66	Artificial Neural Network Approach for Real-Time Density-Based Traffic Signal Control System <u>Chandrasekara W.A.C.J.K.</u> , Rathnayaka R.M.K.T, and Chathuranga L.L.G
12:30 pm	D08	Defining A Generic Service Description For Restful Web Services <u>Senevirathne S.M.</u> and Jeewanie J.A.

Poster Presentations – Category A

Session A-I

Panel Members:

1. Chairperson: Dr. K. K. U. G. Hemamali, Department of Botany, University of Ruhuna
2. Dr. K.M.C. Fernando, Department of Crop Science, University of Ruhuna

Convener: Ms. S.Y.S.D. De Silva, Department of Botany, University of Ruhuna

Co-host: Mr. G. M.T. Ranjana, Department of Computer Science, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/61224131895?pwd=dmJoRUdjZWdxeWJzSk5jUDZOS2k5UT09>

Time	Abstract ID	Title
2:00 pm	A08	Combined Effect of Leaf Chlorophyll and Anthocyanin Content on the Overall Aesthetic Appearance of Coleus (Plectranthus Scutellarioides (L.) R. Br) Var. 'Velvet Red' under Four Different Light Levels <u>Kodithuwakkuge V.N</u> , Beneragama C.K and Krishnarajah S.A
2:10 pm	A21	Salinity Tolerance Capacity of Chlorococcum Sp. Isolated from Wahawa Geothermal Springs in Sri Lanka <u>Madushani K.G.P.</u> , Athukorala A.D.S.N.P., and Gama-Arachchige N.S.
2:20 pm	A22	Assessment of Different Inoculation Methods for Early Screening of Irradiated Kolikuttu Banana for Fusarium Wilt <u>Shirani D.A.</u> , Niroshani K.A.C., Abeysinghe S. and Abeysinghe P.D.
2:30 pm	A28	Naturally Sourced Bioactives Potential to Combat Oxidative Stress and Reduce the Risk of Chronic Diseases. Case Study Sri Lanka, Edible Flowers <u>Ganesamoorthy J.</u> , Gunathilake K.D.P.P. and Ranaweera K.K.D.S.
2:40 pm	A47	Development and Evaluation of the Quality of a Ready to Serve (RTS) Drink using Sea Lettuce and Annona Muricata (Custard Apple) <u>Wickramasinghe S.M.D.C.K.</u> , Dayananda T.G, and Jayamanne V.S
2:50 pm	A50	Effects of Excess Iron (Fe) on Seed Germination and Early-Seedling Growth of Five Selected Low Land Rice (Oryza Sativa L.) Varieties <u>Mudalige H.M.M.Y.</u> and Masakorala K.
3:00 pm	A53	Investigation of the Potential of Piper Chuvya as a Healthy Alternative for Tobacco in Cigar (Bidi) <u>Hettiarachchi H.A.M.S.</u> , Sripal D.D.N., Gunasekara R.D.A., and Yapa Y.M.A.L.W
3:10 pm	A19	Optimization of a Standard Molecular Protocol for Amplification of Ctsk Gene Responsible for the Disease Pycnodysostosis: A Preliminary Study Madubashetha H, Cooray R, Wickramasinghe P.D.S.U, Kandambi G, <u>Moulana F. M. T.</u> , and de Silva N.
3:20 pm	A43	Factors Affecting Adaptation of Crop Diversification by Paddy Farmers in 'Pavatkulam' Irrigation Scheme, Northern Province, Sri Lanka <u>Banu A.S.</u> , Somaratne S. and Weerakoon S. R.
3:30 pm	A45	Safe Use of Pesticides – Investigating the Knowledge Gap of Piper Nigrum Pepper Farmers in Kandy District. <u>Abeywickrama U. L. M.</u> , Widanapathirana C.U. and Herath H. M. U. N.

3:40 pm	A37	In Vitro Plantlet Regeneration of Apple (<i>Malus Domestica</i>) from Field Grown Plants in Sri Lanka Samanmalie L.G.I., <u>Waidyaratne S.M.</u> , Mallika E.G.A.R., Munasinghe U., and Lakmali D.L.D.
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Session A-II

Panel Members:

1. Chairperson: Dr. P.L. Nilantha Lakshman, Department of Food Science and Technology, University of Ruhuna
2. Dr. K. S. S. Atapaththu, Department of Limnology and Water Technology, University of Ruhuna

Convener: Dr. H. L. K. Sanjaya, Department of Limnology and Water Technology, University of Ruhuna

Co-host: Ms. H.G.S. Priyangani, Department of Computer Science, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/66102332024?pwd=R1NoWmkxZWExS1ZxbmtRNUd0VjE1UT09>

Time	Abstract ID	Title
2:00 pm	A03	Evaluation of the Chemical Properties, Physical Properties and Sensory Attributes of Cinnamon (<i>Cinnamomum Zeylanicum</i> Blume) Oleoresin Incorporated Cookies Ranatunga B.U., <u>Wijeweera A.A.</u> and Fernando A.Y.L.
2:10 pm	A06	Risk Factors on Welfare of Dairy Cows and Calves in Galle And Matara Districts of Sri Lanka <u>Senaratna D.</u> , Yashodha K.H.H, Weerasinghe W.P.C.G., Eranda R.A.D. and Samarakone T.S.
2:20 pm	A16	Development and Storage Studies of Aloe Vera-Sour Orange based Functional RTS Drink Flavored with Ginger Mahendran T., Premakumar K. and <u>Deviahayshini S.</u>
2:30 pm	A23	Effects of Sodium Chloride Induced Salt Stress on Yield and Selected Physiological Attributes of Br Nahila M.A.F. and <u>Mahendran S.</u>
2:40 pm	A30	Exploring the Constraints Faced by Stakeholders in the Value Chain of Organic Fertilizer in the North-Western Province of Sri Lanka <u>Jayakodi J.A.S.N.S.</u> , Silva N.P.V., Jayasinghe-Mudalige U.K. and Jayathilake H.A.C.K.
2:50 pm	A36	Identification of Optimum Preculture Conditions Prior to Cryopreservation of Innala (<i>Solenostemon Rotundifolius</i> (Poir.) J.K. Morton) <u>Madhuwanthi M.L.D.I.</u> , Eeswara J.P. and Edirisinghe E.S.C.
3:00 pm	A15	Application of Hibiscus Rosasinensis Leaf Mucilage with Gelatin as an Edible Coating to Extend the Shelf Life of Psidium Guajava <u>Deviahayshini S.</u> and Mahendran T.
3:10 pm	A40	Bioprospecting of Indigenous Lactic Acid Bacteria Abundant in Buffalo Curd as a Starter Culture <u>Gunathunga C.J.</u> , Undugoda L.J.S., Nilmini A.H.L., Nugara N.N.R.N., Udayanga D., and Pathmalal M.M.
3:20 pm	A13	The Need for More Research on Mangroves In Sri Lanka; A Review on Mangrove Microbiology, Genetics and Physiology <u>Abeyasinghe N.K.</u> , Kodikara K.A.S., Hemamali K.K.U.G., Hettiarachchi S., and Jayatissa L.P

3:30 pm	A18	Development and Quality Evaluation of Nutritionally Enriched Bread with Pumpkin (Cucurbita Moschata) Flour <u>Hettiarachchi K.A.N.S., Mahendran T. and Hettiarachchi D.N.</u>
3:40 pm	A51	The Preliminary Study on Effect of Music on the Shoot Development of Chilli Plant: Capsicum Annuum L. Hemamali K.K.G.U. , <u>Rathnayake R.R.M.U.N.B., Karunarathne D.S., Rathnayake G.U.K, and Amarasingha N.D.</u>

Poster Presentations – Category B

Session B-I

Panel Members:

1. Chairperson: Dr. G. B. C. Sanath, Department of Chemistry, Univeristy of Ruhuna
2. Panel member: Dr. H. D. Jayasekara, Department of Chemistry, Univeristy of Ruhuna

Convener: Dr. K.K.K.D. Siriwardena, Department of Chemistry, Univeristy of Ruhuna

Co-host: Ms. R M. K. A. Rajapaksha, Department of Chemistry, Univeristy of Ruhuna

Zoom link: <https://learn.zoom.us/j/63683339912?pwd=SjlxdzJPSnYvTkZsbE05OFIOaVVyUT09>

Time	Abstract ID	Title
2:00 pm	B07	Development of the Low-Cost Cotton Fabric Based Electroanalytical Device for Cadmium Determination <u>Kothalawala R.M. and Kaumal M.N.</u>
2:10 pm	B24	Determination of Measurement Uncertainty in Chloride Analysis in Groundwater by APHA 4500Cl- Method <u>Anoja N. and Kunaseelan S.</u>
2:20 pm	B30	Quantification of Heavy Metals in Some Rice Varieties of South Korea and Sri Lanka and Assessment of Potential Health Risks to Human <u>Senarathne E. M. N. S., Kim T.Y. and Edirisinghe E. M. R. K. B.</u>
2:30 pm	B45	Removal of Phenol from Synthetic Wastewater using Ag Nanoparticles Loaded on Gamboge (Garcinia Gummi-Gutta L.) Based Activated Carbon <u>Nadeeshani M.L.N. and Edussuriya M</u>
2:40 pm	B47	TiO₂ Coated Glass Beads for Photocatalytic Degradation of Methylene Blue <u>Peramune P.A.D.L., Pathirana H.M.K.K. and Rajapakse M.A.</u>
2:50 pm	B39	Removal of Fluoride and Hardness from Natural Water using KOH Activated Carbon <u>Sewwandi G.A.S., Rathnapala A.A.A.W.K. and Perera A.D.L.C.</u>
3:00 pm	B09	Fluorescence Spectroscopy to Identify Quality of Coconut Oil and Sunflower Oil <u>Nilasha K.P.C., Sirimuthu N.M.S. and Nisansala H.M.D.</u>

Session B-II

Panel Members:

1. Chairperson: Dr. S. Wanniarachchi, Department of Chemistry, Univeristy of Ruhuna
2. Dr. W. S. Hemalika, Department of Chemistry, Univeristy of Ruhuna
3. Dr. M.P. Kumara, Faculty of Fisheries and Ocean Science, Ocean University of Sri Lanka

Convener: Dr. K. B. Jayasundera, Department of Chemistry, Univeristy of Ruhuna

Co-host: Ms. B. M. N. Lakmini, Department of Chemistry, Univeristy of Ruhuna

Zoom link: <https://learn.zoom.us/j/69695999505?pwd=TVFYSUdlb3lCQWJ3UHVyS1dYU1RIQT09>

Time	Abstract ID	Title
2:00 pm	B15	Vulnerability Assessment of the Coastal Zone of Sri Lank to Sea-Level Rise Scenario; A GIS Based Study <u>Rajapaksha M.</u> , Madarasinghe S.K., Dissanayake N.P., Kodikara K.A.S., and Jayatissa L.P.
2:10 pm	B22	Extraction, Characterization of Essential Oil in Leaf Extract of Toddalia Asiatica. <u>Appuhamy H. D. C. P. M.</u> , Madushan P. G. L., Wijekoon W. M. C. D., Nalika A. P. K., and Kalutharage N. K..
2:20 pm	B35	Homeostatic Model Assessment of a Sri Lankan Polyherbal Mixture in Streptozotocin Induced Diabetic Rats <u>Sampath S. N. T. I.</u> , Jayasinghe J. M. S., Attanayake A.P. and Karunaratne V.
2:30 pm	B20	Synthesis and Characterization of Carboxylic Acid Derivatives of Chitosan for Production of Nano Fibers Kalutharage N. K., and <u>Akalanka L. M. S.</u>
2:40 pm	B41	Survival of Skin Resident Bacterial Flora (SRBF) in The Presence of Facial Cleansers <u>Balasooriya B.A.Y.B.</u> and Rathnayake I.V.N.
2:50 pm	B48	Effect of Glycerol and Chitosan on Physicochemical and Microstructural Properties pf Kithul (Caryota Urens) Starch Panamgama L.A. and <u>Priyankara P.I.K.</u>

Poster Presentations – Category C

Session C-I

Panel Members:

1. Chairperson: Prof. H.C.E. Wegiriya, Department of Zoology, University of Ruhuna
2. Dr. K.R. Gamage, Department of Fisheries and Aquaculture, University of Ruhuna

Convener: Mr. Dammika Wijekoon, Department of Zoology, University of Ruhuna

Co-host: Mr. B. H. Saranapala, Department of Computer Science, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/63239150633?pwd=VEdiSHUzWmVmVDJGeWlmeiVoWksxUT09>

Time	Abstract ID	Title
2:00 pm	C04	An Investigation of Some Factors Associated with Injuries of University Rugby Players in Sri Lanka <u>Silva K.P.I.</u> , Weerasinghe S. and Attanayake D.
2:10 pm	C05	Sports Nutrition Knowledge and Dietary Habits of Sri Lanka National-Level Basketball Athletes <u>Ishani K.A. A</u> and Weerasinghe S.
2:20 pm	C09	Barriers Related to Delay in Seeking Medical Advice among Patients With Chicken Pox: A Hospital Based Study <u>Amarasena N.C. K.</u> , Wickramasinghe W.A.A.S, Munasinghe M.A.L.T, Athukorala Senanayake K.I.D.F and Munidasa K.G.P.K
2:30 pm	C10	Demographic Transition in Sri Lanka; An Analysis of Population and Vital Statistics 1981 -2019. <u>Kumari H.M.N.S.</u> and Dharmaratne S.D.
2:40 pm	C13	Investigation of Physical Fitness and Body Composition Profiles of Elite Karate Kumite Athletes in Sri Lanka <u>Nawarathna H.M.D.S.K.</u> , Bandara J.A.S.D., Weerasinghe S., and Adikari A.M.G.C.P.
2:50 pm	C18	Antifungal Activity of <i>P.Guajava</i>, <i>Musa Sp.</i> and <i>V.Radiata</i> against <i>Candida Albicans</i> Fernando M.M.M.R, Sihara W.H, <u>Wickramanayake H.M.D.N.</u> , Samarakoon D.N.A.W and Siriwardhene M. A.
3:00 pm	C15	Study of the Effectiveness of 6 Weeks Upper Body Strength Training Programme on Upper Body Strength of Baseball Players in Sri Lankan Tri Forces. <u>Yasas D.L.C.</u> , Sirimuthu N.M.S., Fernando A.L.K.R.
3:10 pm	C29	Price, Availability and Affordability of Cardiovascular Medicines: A Cross Sectional Survey of Selected Community Pharmacies in Galle Municipal Council and Bope – Poddala MOH Areas <u>Jayarathne M.L.N.P.</u> , Gunawardena S. and Prasadi G.A.M.
3:20 pm	C01	Perceptions of Beche-De-Mer Market Actors on Sri Lanka Standard Specification (2018) Tharani K. and de Croos M.D.S.T

Session C-II

Panel Members:

1. Chairperson: Prof. M.P.K.S.K. de Silva, Department of Zoology, University of Ruhuna
2. Prof.D.H.N. Munasinghe, Department of Zoology, University of Ruhuna
3. Dr. H.B. Asanthi, Department of Limnology and Water Technology, University of Ruhuna

Convener: Ms. N. Wijeweera, Department of Zoology, University of Ruhuna

Co-host: Ms. W.K. Shajith, Department of Computer Science, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/67425737157?pwd=MTNDaXNnSE9aa2d1amdtTGF2VjRldz09>

Time	Abstract ID	Title
2:00 pm	C19	Investigation of Physico-Chemical and Phytochemical Properties of Different Extracts of <i>Eclipta Prostrata</i> (Linn.) Grown in Sri Lanka <u>Risfa M.S.</u> , Jayasuriya W.J.A.B.N., Arawwawala L. D. A. M. Hettiarachchi P.L. and Suresh T.S.
2:10 pm	C23	The Effect of Upper and Lower Limb Fat Percentages on the Performance of Butterfly Stroke in Under-19 National Level Male Swimmers <u>Perera A.H.C.</u> and Manawadu K.P.
2:20 pm	C24	The Effect of a 24-Session Pilates Training Programme on Core Strength, Leg Power and Flexibility of School-Level Sprinters <u>Srimali I. G. I.</u> and Weerasinghe S.
2:30 pm	C26	In Vitro Antioxidant Activity of Different Solvent Extracts Obtained from <i>Leea Indica</i> (Burm.F.) Merr (Burulla) Leaves Grown in Sri Lanka <u>Srilal T.L.I.</u> and Hettihewa S.K.
2:40 pm	C32	The Diversity and Abundance of Butterflies in Selected Edge Habitats of Dandeniya Aparekka Reserved Forest <u>Sachithra R.R.S.</u> , Guruge W.A.H.P and Wegiriya H.C.E
2:50 pm	C14	The Antioxidant Potency of the Methanolic Leaves Extract of <i>Pancratium Zeylanicum</i> L. (Wal Lunu) <u>Dunukara D.M.J.D.K.</u> , Herath H.M.N.U.S., Kanampella P.A.A.I., Samarakoon D.N.A.W. and Uluwaduge D.I.
3:00 pm	C17	Establishment of a Cord Blood Bank and Possibility of using Genetically Regulated Hematopoietic Stem Cells, through Transcription Factor Mediated Differentiation System: An Internet-Based Study Shankar A, Kandambi G, <u>Madubashetha H</u> , Wickramasinghe P.D.S.U, Cooray R, De Silva N. and Sumathipala A.
3:10 pm	C21	Comparative evaluation of weight variation, hardness, friability, disintegration, and dissolution parameters of commercially available atorvastatin tablets marketed in Galle, Sri Lanka <u>Siriyanda A.M.C.H. M.</u> , Gunawardena S., Karunanayaka K.D.S.V. and Sandamali L.L.

Poster Presentations – Category D

Session D-I

Panel Members:

1. Chairperson: Prof. Leslie Jayasekara, Department of Mathematics, University of Ruhuna
2. Prof. G. D. K. Mahanama, Department of Physics, University of Ruhuna
3. Dr. J. A. P. Bodhika, Department of Physics, University of Ruhuna
4. Dr. D.M. Samarathunga, Department of Mathematics, University of Ruhuna

Convener: Dr. M.C.S. Fernando, Department of Mathematics, University of Ruhuna

Co-host: Ms. K.G.P. Hansani, Department of Mathematics, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/68942029153?pwd=MCsyYUV5STFCbFhPWkdPeEVTQmFuZz09>

Time	Abstract ID	Title
2:00 pm	D05	Application of Assignment Problem for Absenteeism Management in an Apparel Industry <u>Sajuran K.</u> and Narththanah S.
2:10 pm	D06	The Chromatic Polynomial of the Scorpion Graph. <u>Weerathna M.D.M.C.P.</u> , Athapattu A. M. C. U. M , and Perera A.A.I
2:20 pm	D14	Time Series Model to Forecast Monthly Average White Raw Rice Prices in Colombo, Sri Lanka <u>Fernando W.H.H.</u> , Jayalath P.M.S.C., Premarathne R.M.S.M. and Chandrasekara N.V.
2:30 pm	D18	An Efficient Power-Line Interference Removal System for Electrocardiograms. <u>Ajward A.M.</u>
2:40 pm	D20	A Novel Cryptosystem using Continued Fractions <u>Chathurangi H. M. M.</u> and Ranasinghe P. G. R. S.
2:50 pm	D23	An Efficient Numerical Approximation to Poisson Problem in Two Dimensions <u>Wickramasinghe C.D</u>
3:00 pm	D31	A Two-Dimensional Numerical Study on the Development of Two-Phase Flow Inside a Vertical Solar Collector Pipe Imposed by a Homogeneous Heat Flux <u>Ranatunga E.M.</u> , Hettiarachchi N. K., Abeyratne M. K. and Fernando M. C. S.
3:10 pm	D37	A Novel Cryptographic Scheme on a Variation of the Hill Cipher Ranasinghe P. G. R. S. and <u>Wijesekara W. M. P. R.</u>
3:20 pm	D60	Markov Chain Model for Predicting the Share Price of Canadian Stock Market <u>Thanusika T.</u> and Anuthrika T.
3:30 pm	D68	A Study on National Economy using a Higher Order Dynamical System <u>Sewwandi M.D.S.</u> and Shanthidevi K.C.N.
3:40 pm	D74	Fabrication of a Dual Sensor Hot-Wire Anemometer to Measure Wind Direction <u>Dissanayaka I.S.</u> and Jayathileke K.P.S

Session D-II

Panel Members:

1. Chairperson: Dr. J. A. Jeewanie, Department of Computer Science, University of Ruhuna
2. Dr. C. T. Wannige, Department of Computer Science, University of Ruhuna

Convener: Mr. P. D. T. Chathuranga, Department of Computer Science, University of Ruhuna

Co-host: Mr. P.H.P. Nuwan Laksiri, Department of ICT, University of Ruhuna

Zoom link: <https://learn.zoom.us/j/64071553266?pwd=MFdPUDVNZG83c3FzMnAyM2tyTkxvUT09>

Time	Abstract ID	Title
2:00 pm	D07	Handwritten Character Recognition using Convolutional Neural Network in the Context of Sinhala Language <u>Janotheepan M.</u> , Vasanthapriyan S. and Banujan K.
2:10 pm	D27	A Study on How Consumer Preferences can be used to Improve Content-Based Recommendations <u>Rajapaksha R.M.P.R.D</u> and Ilayperuma T.
2:20 pm	D32	An Innovative Approach in Offline Sinhala Handwritten Character Recognition using Feature Extraction Techniques and SVMs <u>Wickramaarchchi M.G.U.R.D.</u> , Bharathramanan G., Ramanan M. and Thadchanamoorthy S.
2:30 pm	D38	Enhanced Agriculture Ontology with Images to Effectively Retrieve Pest and Disease Knowledge <u>Wilson R.S.I.</u> , Indika W.A. and Goonetillake M.D.J.S.
2:40 pm	D47	A Machine Learning Approach for Rhythmic Analysis of North Indian Classical Music <u>Hettiarachchi B.</u> , Charles J., and Lekamge L.S.
2:50 pm	D48	Sinhala Speech Recognition using Hidden Markov Based Model and Deep Neural Networks Based Model for Number Sequences <u>Azir M.Y.M.</u> , Lorensuhewa S.A.S. and Kalyani M.A.L.
3:00 pm	D24	Conversion of the Convolutional Neural Network implemented on Keras API to plain Python script <u>Alahakoon A.G.P.D.</u> , Amaradasa H.D.S., Prasad K.V.S., Vidanagamachchi S. M., Wickramage N.M. and Mahanama G.D.K.
3:10 pm	D71	User-Friendly Interface Design to Disseminate Best Agricultural Practices <u>Shanadi A.T.</u> , Samaraweera G.C., Wathugala D.L, Indika W.A., and Madushika M.K.S. and Gunawardana D.A.Y.K.

FSPI-SEDRIC Project Session

Panel members:

1. Chairperson: Dr. N. Rathnayake, Earth & Ocean Sciences, School of Natural sciences, National University of Ireland, Galway (NUI Galway)
2. Dr. M.P. Kumara, Faculty of Fisheries and Ocean Science, Ocean University of Sri Lanka, Tangalle, Sri Lanka

Zoom link: <https://learn.zoom.us/j/65382381454?pwd=OG85YVV6VDIkeFJacytSb0hWSGRJdz09>

Time	Title
2:00 pm	Introduction to SEDRIC project Mathevet R.
2:15 pm	Paleoenvironment and palynology Krishnamurthy A. and Premathilake R.
2:30 pm	Tropical dry forest and Recent land cover change Jayasingam T. and Andrieu J.
2:45 pm	Blue carbon and ecological restoration and protected areas Jayatissa L.P., Kodikara K.A.S. and Benabou S.
3:00 pm	Diaspora and tourism Silva T. and Goreau A.
3:15 pm	Livelihood well being Bautes N.
3:30 pm	Interdisciplinary talks Andrieu J. and Mathevet R.
3:45 pm	Conclusion Andrieu J.