



PERADENIYA UNIVERSITY INTERNATIONAL RESEARCH SESSIONS

Research and Innovation for an Inclusive Society

PROGRAMME

**Peradeniya University
International Research Sessions
2021**



11 AND 12 NOVEMBER 2021

UNIVERSITY OF PERADENIYA
SRI LANKA

“Research and Innovation for an Inclusive Society”



PROGRAMME

**PERADENIYA UNIVERSITY INTERNATIONAL
RESEARCH SESSIONS (iPURSE) 2021**



11th & 12th November 2021

*Hosted by
Faculty of Arts
University of Peradeniya
Sri Lanka*

Contents

Themes.....	3
Venues of the Sessions	4
iPURSE 2021: Summary Programme.....	5
Venues of the Technical Sessions	9
Control Room	9
Index	10
Programme of the Venue 01	11
Programme of the Venue 02.....	23
Programme of the Venue 03.....	37
Programme of the Venue 04.....	49
Programme of the Venue 05.....	61
Programme of the Venue 06.....	75
Programme of the Venue 07.....	89
Programme of the Venue 08.....	103
Programme of the Venue 09.....	117
Programme of the Venue 10.....	133
Programme of the Venue 11.....	147
Programme of the Venue 12.....	161
ORGANIZING COMMITTEE – iPURSE 2021.....	175
EDITORIAL BOARD – iPURSE 2021.....	176
COMMITTEES AND SUBCOMMITTEES – iPURSE 2021.....	181

Themes

1. Covid-19: Issues and Solutions
2. Education for Transformation
3. Environment and Natural Resources
4. Food, Nutrition and Livestock
5. Health and Society
6. Language, Culture and Thought
7. Science, Technology and Industry
8. Socioeconomic Progress and Governance

Venues of the Sessions

Inaugural Ceremony (Only for a limited number of invitees)	Seminar Room, Faculty of Arts
Technical Sessions (Only for resource persons)	Main Arts Building, Faculty of Arts: 17A, 31, 38, 38A,44, 46,47,48, 62 PGIHS: 107, 208, 106
Closing Ceremony (Only for a limited number of invitees)	Seminar Room, Faculty of Arts

iPURSE 2021: Summary Programme

Day 1 (November 11, 2021)

Inaugural Ceremony

8.00 am	Ceremonial Procession (starting from the pillared area of the Senate Building)
8.25 am	Arrival of Guests at the Venue
8.30 am	Lighting of the Oil Lamp
8.35 am	National Anthem
8.40 am	University Anthem
8.45 am	Video Presentation – iPURSE 2021
8.50 am	Welcome Address by Professor O.G. Dayaratne-Banda (Chairperson, iPURSE 2021)
9.00 am	Video Presentation - Research at Peradeniya
9.15 am	Address by Professor M.D. Lamawansa (Vice-Chancellor, University of Peradeniya)
9.25 am	Address by Senior Professor Chandrika N. Wijeyaratne (Vice-Chancellor, University of Colombo, Chief Guest)

9.35 am Keynote Address by Professor
Wimal Dissanayake
(The University of Hawaii, USA)

10.15 am Vote of Thanks by Professor
Tilak Hewawasam
(Co-coordinator, iPURSE 2021)

10.20 am Refreshments

Technical Sessions

11.00 am - 01.00 pm Technical Sessions (12 parallel
sessions)

13.00 pm - 13.30 pm Lunch

13.30 pm - 14.00 pm Invited Oration 1 - Professor
Ajantha Dharmasiri (Former
Director, Postgraduate Institute of
Management, University of Sri
Jayewardenepura, Sri Lanka)

14.00 pm - 16.00 pm Technical Sessions (12 parallel
sessions)

16.00 pm - 16.15 pm Refreshments

16.15 pm - 18.15 pm Technical Sessions (12 parallel
sessions)

Day 2 (November 12, 2021)

Technical Sessions

08.00 am - 08.30 am	Invited Oration 2 - Professor Malik Peiris (Chair of Virology, School of Public Health, The University of Hong Kong)
08.30 am - 10.30 am	Technical Sessions (12 parallel sessions)
10.30 am - 10.45 am	Refreshments
10.45 am - 12.45 pm	Technical Sessions (12 parallel sessions)
12.45 pm - 13.30 pm	Lunch
13.30 pm - 15.30 pm	Technical Sessions (12 parallel sessions)
15.30 pm - 16.00 pm	Refreshments

Closing Ceremony

16.00 pm - 16.05 pm	Welcome Address by Professor Wasantha Athukorala (Co-coordinator, iPURSE 2021)
16.05 pm - 16.10 pm	Introduction to Research Excellence Awards by Professor Janaka Ekanayake (Director, University Research Council, University of Peradeniya)

16.10 pm - 16.30 pm	Presentation of Research Excellence Awards
16.30 pm - 16.40 pm	Closing Remarks of iPURSE 2021 by Professor Terrance Madhujith (Deputy Vice Chancellor, University of Peradeniya)
16.40 pm - 16.50 pm	Address by Professor M.D. Lamawansa (Vice-Chancellor, University of Peradeniya)
16.50 pm - 17.00 pm	Vote of Thanks by Dr. Prabhath Ekanayake (Dean, Faculty of Arts)

Venues of the Technical Sessions

	Building	Room No.
Venue 1	Main Arts Building	17A
Venue 2	Main Arts Building	31
Venue 3	Main Arts Building	38
Venue 4	Main Arts Building	38A
Venue 5	Main Arts Building	44
Venue 6	Main Arts Building	46
Venue 7	Main Arts Building	47
Venue 8	Main Arts Building	48
Venue 9	Main Arts Building	62
Venue 10	PGIHS	106
Venue 11	PGHIS	207
Venue 12	PGIHS	208

Control Room

IT Centre, University of Peradeniya

Index

Index for Venues

Code	Venue
MA	Main Arts Building
PGIHS	Postgraduate Institute of Humanities and Social Sciences

Index for Time slots from A - F:

Code	Time Slot	Day
A	11.00 am -13.00 pm	Day 1
B	14.00 pm - 16.00 pm	Day 1
C	16.15 pm - 18.15 pm	Day 1
D	08.30 am - 10.30 am	Day 2
E	10.45 am - 12.45 pm	Day 2
F	13.30 pm - 15.30 pm	Day 2

Index for Column Titles:

ID = Presentation ID

Index No. = Abstract Index No. in the Proceedings

Reference No. = Reference No. of the abstract in the Conference Management System

Page = Page number of the abstract in the Proceedings

Technical Session Programme

Programme of the Venue 01
- MA 17A -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 01 (MA 17A)

Theme 1: Covid 19: Issues and Solutions

Parallel Session: 1 - A		Chair: Dr. R.M. Abeyrathne			
Time: 11.00 am - 12.45 pm		Discussants: Prof. Dhammika Herath, Prof. M. Fonseka			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.A.1	11.00 - 11.10	iPURSE 2021 – 022	iPURSE21ABS00174	Impact of Network Coverage and Strength on Undergraduates' Distance Learning in Sri Lanka during COVID-19 <i>W.M.S.S. Dias, C.S. Arambegedara, W.V.W.S.K. Rathmayake, Y.G.P.D.K. Jayasekara</i>	024
1.A.2	11.10 - 11.20	iPURSE 2021 – 019	iPURSE21ABS00141	Double Ticked: The Impact of Using WhatsApp as a Pedagogical Tool to Improve German Spoken Skills in Times of Covid-19 <i>L. H. M. D. S Lansakara</i>	021
1.A.3	11.20 -11.30	iPURSE 2021 – 010	iPURSE21ABS00101	Study on Parents' Factors Influencing Children's Online Learning during Covid-19 Period <i>A.W.K.G. Wijesingha, L.H.D.L. Ranasuriya</i>	012
	11.30 -11.45	Q & A			
1.A.4	11.45 - 11.55	iPURSE 2021 – 012	iPURSE21ABS00243	Space (Un)seen: A Discussion on the Dismantled Classroom and Its Effects on the Pedagogical Space as a Result of COVID-19 <i>S.S. Hapuarachchi, F.F. Fairooz, H.M.C.S Kulathunga</i>	014
1.A.5	11.55 - 12.05	iPURSE 2021 – 014	iPURSE21ABS00403	Education under COVID 19: A Study on Differently Able Students <i>W.S.N. Siriwardhana, I.M. Dissanayaka</i>	016

ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.A.6	12.05 - 12.15	iPURSE 2021 – 015	iPURSE21ABS00415	Need for Online Learning for a Better Future for Young Bhikku Students <i>I.M Dissanayaka, W.S.N. Siriwardhana</i>	017
1.A.7	12.15 - 12.25	iPURSE 2021 – 030	iPURSE21ABS00097	Dental Students' Perception and Their Performance in Clinical Components of Final Year Examination During and Prior to COVID-19 Pandemic <i>I.P. Thilakumara, I.P.N. Batuwantudawa, S. Abeyesundara, P. Wijekoon, M.C.N. Fonseka, A.A.A.K. Wimalarathna, J.A.V.P. Jayasinghe, R.M. Jayasinghe</i>	032
	12.25 - 12.45	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 01 (MA 17A)

Theme 1: Covid 19: Issues and Solutions

Parallel Session: 1 - B		Chair: Prof. D.D.K.S. Karunanayake			
Time: 14.00 pm - 16.00 pm		Discussant: Dr. R.S.A Usoof			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.B.1	14.00 - 14.10	iPURSE 2021 – 018	iPURSE21ABS00575	Mental Well-Being during Covid-19: A Philosophical Study on <i>Thantric</i> Buddhist Concepts <i>A.M.R.M. Senewirathna</i>	020
1.B.2	14.10 - 14.20	iPURSE 2021 – 026	iPURSE21ABS00298	Students’ Perspectives on E-learning Environment and Perceived Stress during COVID-19 Pandemic: A Study of Allied Health Science Students of University of Peradeniya, Sri Lanka <i>R.M.A. Chamika, M.L. Pathirathna, M.A.J.C. Marasinghe</i>	028
1.B.3	14.20 - 14.30	iPURSE 2021 – 017	iPURSE21ABS00565	Perceived Stress among Nurses Working in National Institute of Infectious Diseases: Sri Lanka during COVID-19 Pandemic <i>H.H.N.D. Dharamarathna, D.D.V.N. Devapura, E.A.C.M. Ekanayake, E.A.P.S. Ekanayake, A.R. Jayamaha, S.H.N.M. Jayasena, A.G.Y.S. Kumari</i>	019
1.B.4	14.30 - 14.40	iPURSE 2021 – 024	iPURSE21ABS00748	Low-income Urban Dwellers’ Perception on Social Stigmatization during a Pandemic Situation: A Study Based on “Sayurupura” Multi-Storied Housing in Angulana <i>H.L.S. Zoysa</i>	026

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	14.40 - 15.00	Q & A			
1.B.5	15.00 - 15.10	iPURSE 2021 – 021	iPURSE21ABS00168	Impact of External Locus of Control and Risk Perception on COVID-19 Related Stress among Undergraduates <i>T.J. Gunawardena, G.R.K. Dissanayake, A. Bulatwatte, N. Hettiarachchi, P.Y.O. Perera, R.M. Rathnayake, P.M.G.U. Nirmani</i>	023
1.B.6	15.10 - 15.20	iPURSE 2021 – 011	iPURSE21ABS00841	Impact of Patriotism on Motives for COVID-19 Prevention: An Experimental Survey <i>D.I.J. Samaranayake, P.H.R.R.P.K. Munasinghe, S. Jayasooriya</i>	013
1.B.7	15.20 - 15.30	iPURSE 2021 – 020	iPURSE21ABS00158	Homestay and COVID-19: Challenges and Opportunities for Recovery in New Normal Conditions <i>V. Hewage, R. Ranasinghe</i>	022
1.B.8	15.30 - 15.40	iPURSE 2021 – 025	iPURSE21ABS00287	A Critical Study of the Impact of Covid-19 on Religious Practices and Faith <i>N. Sugatharakhitha</i>	027
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 01 (MA 17A)

Theme 1: Covid 19: Issues and Solutions

Parallel Session: 1 - C		Chair: Dr. C.R. Abayasekara			
Time: 16.15 pm - 18.15 pm		Discussants: Dr. T. N. Vidanage, Prof. M. Fonseka			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.C.1	16.15 - 16.25	iPURSE 2021 – 007	iPURSE21ABS00051	Government Interventions and COVID-19 Pandemic: An Economic Review of Financial Markets in Sri Lanka <i>H.A.C. Anuraga, T.P.S.R. Guruge, J.M.M. Udugama</i>	009
1.C.2	16.25 - 16.35	iPURSE 2021 – 028	iPURSE21ABS00705	Applicability of Modified Markovian Queueing Model for Economic Recession due to COVID-19 <i>J.A.S. Dinushan, C.K. Walgampaya</i>	030
1.C.3	16.35 - 16.45	iPURSE 2021 – 027	iPURSE21ABS00317	COVID-19: An Analysis of the Impact of the Pandemic Lockdown on Daily Wage Earners in Katugastota Area <i>A.M.N.A.D.J.S. Nanayakkara, P.A.D.M. Perera, V.P. Ratwatte, P.P.A.W Athukorala</i>	029
1.C.4	16.45 - 16.55	iPURSE 2021 – 029	iPURSE21ABS00771	Home Cooking Trends Coming out of Early Covid-19 Period <i>M. Sivakaran</i>	031
	16.55 - 17.15	Q & A			
1.C.5	17.15 - 17.25	iPURSE 2021 – 008	iPURSE21ABS00084	Right to Health Care during Covid-19 Pandemic: A Critical Review of Sri Lankan Law against International Standards <i>K. A. A. N. Thilakarathna, D. J. P. K. Heiyanthuduwage</i>	010

ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.C.6	17.25 - 17.35	iPURSE 2021 – 013	iPURSE21ABS00379	Protecting Human Rights in Post Covid-19 Crisis: With Special Reference to Digital Rights <i>E.K.J. Kaushalya</i>	015
1.C.7	17.35 – 17.45	iPURSE 2021 – 023	iPURSE21ABS00198	Natural Language Processing-Based Solution for the Management of Covid-19 Infodemic <i>G.A.D. Ganepola</i>	025
1.C.8	17.45 – 17.55	iPURSE 2021 – 031	iPURSE21ABS00273	COVID-19 Related Dental Practice Modifications Could Make Some Dentists Optimistic: A Public Health Concern of Emerging Importance <i>C. Gunasena, I.R. Perera, S. Ratnapreya, R.M.S.H.B. Medawela, N.S.S. Jayasuriya</i>	033
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 01 (MA 17A)

Theme 1: Covid 19: Issues and Solutions

Parallel Session: 1 - D		Chair: Dr. B.A.N. Eranda			
Time: 08.30 am – 10.30 am		Discussant: Dr. S.P. Abeyundara, Dr. B.M.K. Perera			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.D.1	08.30 - 08.40	iPURSE 2021 – 001	iPURSE21ABS00634	Flexibility and Resilience of Rice Value Chain: A Case of Urban Food Supplies in Sri Lanka during Covid-19 Pandemic <i>K.C.J. Premarathna, D.A.M. De Silva</i>	003
1.D.2	08.40 - 08.50	iPURSE 2021 – 002	iPURSE21ABS00747	Digital Infrastructure and Interpersonal Relationship Influence on Employees' Perception on Self-Productivity during Work-from-Home <i>T.A.D. Sewwandi, A.L.Sandika, T.W.M.K.K. Weerasinghe</i>	004
1.D.3	08.50 - 09.00	iPURSE 2021 – 035	iPURSE21ABS00184	A Study on the Use of Humanitarian Concepts in Advertising to Enhance Human Qualities of Consumer in Covid-19 Outbreak <i>L.D. Liyanage</i>	037
1.D.4	09.00 - 09.10	iPURSE 2021 – 034	iPURSE21ABS00835	Emerging Entrepreneurial Innovations in Pandemic: A Study of Small and Medium Enterprises in Sri Lanka <i>S.H.T. Kumudumali</i>	036
	09.10 - 09.30	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.D.5	09.30 - 09.40	iPURSE 2021 – 033	iPURSE21ABS00589	A Study on Operational Excellence: Sustainable Supply Chains of Manufacturing Industries during Covid-19 Pandemic <i>M.T.D. Malsinghe, M.H.A. Gunathilaka, I.P.C.D. Bandara, A.I. Wijerathne, N. Nagendrakumar, N. Madhavika</i>	035
1.D.6	09.40 - 09.50	iPURSE 2021 – 038	iPURSE21ABS00045	Peak over Threshold Approach to Forecast the Probability of Covid-19 Outbreak of Sri Lanka <i>N.K. Boralessa</i>	040
1.D.7	09.50 -10.00	iPURSE 2021 – 039	iPURSE21ABS00490	Detection of COVID-19 Infection from Chest X-Ray Images Using Deep Learning <i>W.M.D.D.B. Wijesundara, C.T.Wannige</i>	041
1.D.8	10.00 -10.10	iPURSE 2021 – 040	iPURSE21ABS00714	Analyzing and Predicting Spread of SARS-Cov-2 Virus in Singapore Using a Time-Dependent SEIR Model <i>U.S.R.D.V. Bandara, M.B..Dehideniya</i>	042
	10.10 - 10.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 01 (MA 17A)

Theme 1: Covid 19: Issues and Solutions

Parallel Session: 1 – E Time: 10.45 am – 11.20 am		Chair: Prof. Shirani Ranasinghe Discussant: Prof. Faseeha Noordeen			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.E.1	10.45 - 10.55	iPURSE 2021 – 036	iPURSE21ABS00244	Attitude towards Online Learning/Teaching in Anatomy during COVID-19 Pandemic Period among Pre-Clinical Students in Faculty of Medicine, University of Peradeniya <i>E.W. Kosgallana, N.J. Pahalawattage, A.K. Jayaweera, H.M.G.S. Hearath, S.B. Adikari, H.A. Amaratunga</i>	038
1.E.2	10.55 - 11.05	iPURSE 2021 – 037	iPURSE21ABS00757	Electrochemical Biosensor for Fast Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) <i>J. Disagini, M. Thanihaichelvan</i>	039
1.E.3	11.05 - 11.15	iPURSE 2021 – 016	iPURSE21ABS00456	Impact of COVID-19 Pandemic on Field of Higher Education in Contemporary Sri Lanka (with Special Reference to Sri Lankan National University Education) <i>K.M.D.S. Karunaratna</i>	018

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 01 (MA 17A)

Theme 1: Covid 19: Issues and Solutions

Parallel Session: 1 - F		Chair: Dr H.D.W.T. Damayanthi			
Time: 13.30 pm – 14.30 pm		Dassanayake			
		Discussants: Dr. Ishanka Weerasekara,			
		Dr. P.R.K.A. Vitharana,			
		Dr. D.M.S.Munasinghe			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
1.F.1	13.30 - 13.35	iPURSE 2021 – 004	iPURSE21ABS00547	Effect of COVID-19 Pandemic on Physical Activity among Sri Lankan Population: A Cross-Sectional Study <i>P.J. Wijkeumar, V.A. Samarana, K.T.G. Kanchara</i>	006
1.F.2	13.35 - 13.40	iPURSE 2021 – 005	iPURSE21ABS00718	Ayurveda and Traditional Perception, Preparedness and Public Awareness Related to the Outbreak of COVID-19 in Sri Lanka: A Pilot Study <i>K.M. Jansz, W.K.T. Dushmantha, T.N.W.M.S. Nanayakkara, Y.S.G. Wimalasiri</i>	007
1.F.3	13.40 - 13.45	iPURSE 2021 – 003	iPURSE21ABS00422	A Study of Consumer Behavior on Demanding Indigenous Medications during COVID-19 Pandemic – With Reference to Sri Lanka <i>C.G. Jayasekara, K.K.H. Pavithra</i>	005
1.F.4	13.45 - 13.50	iPURSE 2021 – 006	iPURSE21ABS00734	Knowledge, Attitudes and Practices towards COVID-19 Outbreak and Preventive Methods among Non-Medical Undergraduates in a Selected State University of Sri Lanka <i>T.D. Wimalaweera, A.A.T.D. Amarasekara</i>	008

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	13.50 - 14.10	Q & A			
1.F.5	14.10 - 14.15	iPURSE 2021 – 009	iPURSE21ABS00091	Foreign Students' Adaptation to Social Media in China during Covid-19 <i>A. Lokumannage</i>	011
1.F.6	14.15 - 14.20	iPURSE 2021 – 041	iPURSE21ABS00650	Preparedness and Response to Coronavirus Disease-2019 (COVID-19) among Veterinary Practitioners in Sri Lanka <i>H.M.S. Wijekoon, K.A.N. Wijayawardhane, D.D.N. De Silva, R.A.C. Rabel</i>	043
	14.20 - 14.30	Q & A			

Programme of the Venue 02

- MA 31 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 02 (MA 31)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 2 - A			Chair: Prof. S. Wimalasiri		
Time: 11.00 am - 13.00 pm			Discussant: Dr. S.M.C. Himali		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.A.1	11.00 - 11.10	iPURSE 2021 – 146	iPURSE21ABS00278	Method Validation for Quantification of Selected Non-Nutritional Sweeteners and Preservatives and Caffeine in Carbonated Beverages Commercially Available in Sri Lanka <i>J.A.G.K. Jayasooriya, K.P.G.K.T. Guruge, W.M.T. Madhujith</i>	157
2.A.2	11.10 - 11.20	iPURSE 2021 – 147	iPURSE21ABS00290	Simple and Rapid Method for Underivatized Analysis of Glyphosate Residues in Tea (<i>Camellia sinensis</i>) Using LC-MS/MS Detection <i>Y. Samantha, G. V. V. Liyanaarachchi, K. Abarna, R.A.D.S.M.R. Weerasekara, D.A.U. Chathurangani, P.I.D. Weeraman, M.N.A Mubarak</i>	158
2.A.3	11.20 - 11.30	iPURSE 2021 – 148	iPURSE21ABS00294	Development and Validation of a Method for Analysis of Carbosulfan Residues in Tea (<i>Camellia sinensis</i>) Using LC-MS/MS Technique <i>K. Abarna, G.V.V. Liyanaarachchi, Y. Samantha, R.A.D.S.M.R. Weerasekara, D.A.U. Chathurangani, P.I.D. Weeraman, M.N.A Mubarak</i>	159

ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.A.4	11.30 - 11.40	iPURSE 2021 – 167	iPURSE21ABS00549	Influence of Germination on Compositional Changes of Carbohydrate and Physicochemical Properties of Flours from Proso Millet (<i>Panicummiliaceum</i>) and Foxtail Millet (<i>Setariaitalica</i>) Available in Sri Lanka <i>N.N.G. Chiranthika, K.D.P.P. Gunathilake, A. Chandrasekara</i>	178
	11.40 - 12.00	Q & A			
2.A.5	12.00 - 11.10	iPURSE 2021 – 153	iPURSE21ABS00342	Effect of Tea and Coffee Polyphenols on Syneresis and Quality of Set Yoghurt during Refrigerated Storage <i>S.P.J.C. Karunathilaka, O.D.A.N. Perera</i>	164
2.A.6	12.10 - 12.20	iPURSE 2021 – 158	iPURSE21ABS00467	Proximate Nutritional Composition of Ceylon Cinnamon (<i>Cinnamomum zeylanicum Blume</i>) Leaves in Different Agro-Ecological Regions in Sri Lanka <i>R.K.C. Jeewanthi, D.A.M De Silva, K.B.S.S.J. Ekanayaka, N.S.A. Senarathne, W.M.T.B. Weddagala</i>	169
2.A.7	12.20 - 12.30	iPURSE 2021 – 144	iPURSE21ABS00253	A Study on Perception and Usage of Herbs among Young Adults in Gampaha District <i>D.V.S.S. Diyapaththugama, N.R. Abeynayake, G.A.P. Chandrasekara</i>	155
2.A.8	12.30 - 12.40	iPURSE 2021 – 149	iPURSE21ABS00308	Ceylon Cinnamon Value Chain Profiling <i>I.C. Hettiarachchi, D.A.M. De Silva, M. Esham</i>	160
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 02 (MA 31)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 2 - B		Chair: Prof. D.M. De. Costa			
Time: 14.00 pm - 16.00 pm		Discussants: Dr. Champa Ratnatunga, Prof. B.D.R. Prasantha, Dr. L. M. Rankoth			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.B.1	14.00 - 14.10	iPURSE 2021 – 179	iPURSE21ABS00060	A Health Risk Assessment and Evaluation of Sugar Levels in Soft Drinks <i>I.J.A. Ruhunuge, A.W. Wijeratne, R.D.R. Ruhunuge</i>	190
2.B.2	14.10 - 14.20	iPURSE 2021 – 180	iPURSE21ABS00257	Molecular Detection of Lumpy Skin Disease Virus in Sri Lanka-First Report <i>R.M.I.M. Rathnayake, A.W. Kalupahana</i>	191
2.B.3	14.20 - 14.30	iPURSE 2021 – 182	iPURSE21ABS00280	Herbage Yield and Nutritional Potential of Three Fodder Grass in Low-Country Wet Zone Sri Lanka: A Preliminary Study <i>I.J.A. Ruhunuge, A.N. Weligamage, A.W. Wijeratne, E.M. Wimalasiri, K.P.J.C. Perera</i>	193
2.B.4	14.30 - 14.40	iPURSE 2021 – 164	iPURSE21ABS00539	Genetic Variability on Arsenic Accumulation and Its Impact on Yield in Rice (<i>Oryza Sativa L.</i>) under Elevated Arsenic in Soils <i>K.S. Manawasinghe, R. Chandrajith, S. Seneweera</i>	175
	14.40 - 15.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.B.5	15.00 - 15.10	iPURSE 2021 – 176	iPURSE21ABS00803	Nutritional and Functional Properties of Defatted Desiccated Coconut Flour of Different Coconut Varieties <i>H.P.D.T.H. Pathirana, W.M.K. Lakdushighe, L.L.W.C. Yalegama, C.A.T.D. Chandrapeli, K.P. Waidyarathne, J.M.N. Marikkar</i>	187
2.B.6	15.10 - 15.20	iPURSE 2021 – 174	iPURSE21ABS00756	Mining Resistance Alleles of Gene Xa38 for Bacterial Blight Resistance in Sri Lankan Rice Accessions <i>I.K. Edirisingha, S.A.C.N. Perera, D.V. Jayatilake</i>	185
2.B.7	15.20 - 15.30	iPURSE 2021 – 171	iPURSE21ABS00615	Phenotypic Evaluation of a Core Rice Panel for Sheath Blight Resistance <i>K.I.S. Thamali, N.H.L.D.L.D. Nanayakkara, L.D.B Suriyagoda, W.D.P. Weerasinghe, D.V. Jayatilake</i>	182
2.B.8	15.30 - 15.40	iPURSE 2021 – 169	iPURSE21ABS00557	Assessing Agronomic Nitrogen Use Efficiency of Potato Cultivated in Nuwara Eliya Using Controlled, Released and Stabilized Nitrogen Fertilizers <i>A.J.R.T. Dilan, P.D. Abhayathilakarathne., S.P. Nissanka</i>	180
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 02 (MA 31)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 2 - C		Chair: Prof. K.M.G.G. Jayasuriya			
Time: 16.15 pm - 18.15 pm		Discussant: Dr. N. S. Gama-Arachchige			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.C.1	16.15 - 16.25	iPURSE 2021 – 181	iPURSE21ABS00089	Study on Physico-Chemical and Microbial Quality during Thermal Processing of King Coconut Water (<i>Cocos nucifera</i> var. <i>aurantiaca</i>) under Different Process Conditions in Sri Lanka <i>M.D. Jayasinghe, S.S.K. Madage, A.P. Halmillawewa, D.M.W.D. Divisekera</i>	192
2.C.2	16.25 - 16.35	iPURSE 2021 – 189	iPURSE21ABS00839	Variation of Catechins and Caffeine in a Bi-Parental Progeny of Tea [<i>Camellia sinensis</i> (L.) O. Kuntze] <i>J.D. Kottawa-Arachchi, G. Ekanayake, M.A.B. Ranatunga, A.M.T. Amarakoon, M.T.K. Gunasekare, R.K. Sharma, R.N. Attanayake</i>	200
2.C.3	16.35 - 16.45	iPURSE 2021 – 185	iPURSE21ABS00413	Comparison of Nutritional and Some Biochemical Properties of Locally Grown Four Mushroom Species <i>M.A. Wickramasinghe, T.C. Kananke, S.M. Sewwandi, R. Liyanage</i>	196
2.C.4	16.45 - 16.55	iPURSE 2021 – 187	iPURSE21ABS00520	Changes of Selected Phytochemical Contents in Tomato (<i>Solanum Lycopersicum</i> L.) Fruits in Response to Postharvest Hot Water Treatments <i>M.N.F. Zaina, P.K. Dissanayake</i>	198

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	16.55 - 17.15	Q & A			
2.C.5	17.15 - 17.25	iPURSE 2021 – 186	iPURSE21ABS00500	A Comparative Analysis on Presence of Pesticide Residues in Selected Vegetables Grown in Conventional Agricultural Fields and Good Agricultural Practices (GAP) Certified Fields <i>B.V.C.R. Batugedara, B.E.P. Mendis, P.W.Y. Lakshani, C. Magamage</i>	197
2.C.6	17.25 - 17.35	iPURSE 2021 – 183	iPURSE21ABS00385	Development of a Water Treatment Filter Bag Using Bael (<i>Aegle marmelos</i> L.) and Coconut (<i>Cocos nucifera</i> L.) Shell Active Carbon for the Removal of Hardness and <i>Escherichia coli</i> in Groundwater <i>G.H. Dilhani, A.M.M.U. Adikari</i>	194
2.C.7	17.35 - 17.45	iPURSE 2021 – 184	iPURSE21ABS00409	Effect of <i>In-Vitro</i> Digestion on Antioxidant and Anti-Inflammatory Properties of Three Species of Edible Flowers <i>G. Janamy, K.D.P.P. Gunathilake, K.K.D.S. Ranaweera</i>	195
2.C.8	17.45 - 17.55	iPURSE 2021 – 188	iPURSE21ABS00570	Analysis of Genomic Data of <i>Pyricularia Oryzae</i> Species Causing Rice Blast <i>A.C. Samuel, L.S. Nawarathna, H.A.C.K. Ariyaratne</i>	199
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 02 (MA 31)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 2 - D			Chair: Prof. Nimal Perera		
Time: 08.30 am – 10.30 am			Discussant: Dr. N.G.N. G. Wijesinghe		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.D.1	08.30 - 08.40	iPURSE 2021 – 163	iPURSE21ABS00538	Functional, Textural and Sensory Properties of Formulated Garlic (<i>Allium sativum</i>) Cookie <i>S.M. Sujath, J.W.A.Sajiwanie</i>	174
2.D.2	08.40 - 08.50	iPURSE 2021 – 150	iPURSE21ABS00309	A Ready-Meal Functional Soup Mix Supplemented with Potential Antidiabetic Herbs <i>M.A. Wickramasinghe, P.G.I. Dias, N.G.D. Anuradha, T.C. Kananke, M.G.A.N. Perera, R.M.K.T. Rathnayaka, R.S. Sabaragamuwa, M.N. Wickramarathne, R.M.U.S.K. Rathnayaka</i>	161
2.D.3	08.50 - 09.00	iPURSE 2021 – 175	iPURSE21ABS00778	Properties of Instant Beverage Developed by Unfermented Coconut Sap Collected through a Novel Sap Collection Method <i>H.P.D.T.H. Pathirana, W.M.K. Lakdushighe, C.N. Hitigedera, L.L.W.C. Yalegama, L.M.I. Senarathna</i>	186
2.D.4	09.00 - 09.10	iPURSE 2021 – 140	iPURSE21ABS00109	Effect of Marination Technique and Holding Time on Physicochemical and Sensory Attributes of Marinated Pork Chops <i>S.C. Thambawita, R.K. Mutucumarana, J. Mahindarathna</i>	151
	09.10 - 09.30	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.D.5	09.30 - 09.40	iPURSE 2021 – 160	iPURSE21ABS00486	Replacement of Palm Oil with Refined Coconut Oil in Bakery Products – Biscuit Manufacturing <i>K.G.K.B. Chandrasiri, C. Yalagama, D.T.H. Patirana, M.C.N. Jayasooriya</i>	171
2.D.6	09.40 - 09.50	iPURSE 2021 – 145	iPURSE21ABS00255	Rice, Soybean, and Finger Millet Milk-Incorporated Non-dairy Drinking Yoghurt Analogue with Desired Food Quality Attributes <i>O.D.A.N. Perera, G.R.K.H. Karunathilake</i>	156
2.D.7	09.50 - 10.00	iPURSE 2021 – 142	iPURSE21ABS00222	Phospholipase Application in Milk: Does It Improve Cheese Yield of Gouda? <i>T.I.G. Prabashwari, J.K. Vidanarachchi, P.H.P. Prasanna, L.P.I.N.P. Jayawardene</i>	153
2.D.8	10.00 - 10.10	iPURSE 2021 – 154	iPURSE21ABS00374	An Improved Method to Produce Cholesterol Reduced Dairy Cream and Skimmed Milk Directly from Pasteurized Non-Homogenised Milk with Single Step Centrifugation <i>P.A.N.K. Jayakody, B.E.P. Mendis, M. Gunawardana</i>	165
	10.10 - 10.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 02 (MA 31)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 2 -E Time: 10.45 am – 12.15 pm			Chair: Prof. W.M.A.P. Wanigasekara Discussant: Dr. B.R. Fernando		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.E.1	10.45 - 10.55	iPURSE 2021 – 190	iPURSE21ABS00152	Optimization of In Vitro Proliferation Assay for Haemonchus contortus Antigen Sensitized Lymphocytes in Goats <i>W.R.H. Mendis, T.A.N. Mahakapuge, V. Wijewardana, R.P.V.J. Rajapakse</i>	201
2.E.2	10.55 - 11.05	iPURSE 2021 – 193	iPURSE21ABS00225	Development of a Dog Treat Incorporated with Pharmaceutical Gelatine By-Product and Poultry By-Product Meal <i>P.R. Hegoda, T.I.G. Prabashwari, S.M.C. Himali</i>	204
2.E.3	11.05 - 11.15	iPURSE 2021 – 191	iPURSE21ABS00170	Chronic Kidney Disease in Animals: A Study on Kidney and Liver Pathology of Cattle from CKDu-Prevalent North Central Province of Sri Lanka <i>S.A.C.H. Rodrigo, S.A.C.H. Rodrigo, P.G.A.S. Palkumbura, W. Jayaweera, R.R.M.K.K. Wijesundera</i>	
2.E.4	11.15 - 11.25	iPURSE 2021 – 194	iPURSE21ABS00497	Microbiological Quality Assessment of Poultry Broiler Feed and Major Raw Materials Collected from Commercial Feed Distributors in Kurunegala District <i>H.C. Gallage, L.A.D.E. Weerasinghe, S. Samitha, R.S. Kalupahana, H.M.T.K. Karunarathna, K.S.A. Kottawatta</i>	205
	11.25 - 11.45	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.E.5	11.45 - 11.55	iPURSE 2021 – 195	iPURSE21ABS00523	Polymorphisms in LHCGR and FSHR Genes, and Their Association with Fertility Traits and Average Milk Yield of Crossbred Dairy Cows in Sri Lanka <i>D.I. Abeygunawardana, R.M.S.B.K. Ranasinghe, S.N.T. de Silva, R.M.C. Deshapriya, G.A. Prathapasinghe, R.P.V.J. Rajapakse</i>	206
2.E.6	11.55 - 12.05	iPURSE 2021 – 177	iPURSE21ABS00104	Teaching and Learning Approaches in Current Secondary School Food Literacy Curricula <i>S. Dimalini, T. Perera, J. Nanayakkara, K.D.R.R. Silva</i>	188
	12.05 - 12.15	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 02 (MA 31)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 2 -F		Chair: Dr. B.E.P. Mendis			
Time: 13.30 pm – 15.30 pm		Discussants: Dr. Samidi Navarathne, Prof. J.K. Vidanarachchi			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.F.1	13.30 - 13.35	iPURSE 2021 – 178	iPURSE21ABS00183	Association of Patterns of Food Intake and Physical Activity with Weight-for-Height Measures among Preschoolers in Galigamuwa Division <i>W.S.C. Chandrasiri, K.N. Marambe</i>	189
2.F.2	13.35 - 13.40	iPURSE 2021 – 141	iPURSE21ABS00214	Effect of Ethylene and Acetylene Treatments on Phenolics, Flavonoids and Antioxidant Activity of Ambul Banana (<i>Musa acuminata</i> , AAB) <i>S.D.T. Maduwanthi, R.A.U.J. Marapana</i>	152
2.F.3	13.40 - 13.45	iPURSE 2021 – 151	iPURSE21ABS00312	Effect of Acmella Pod Extracts on Controlling Microbes Present on Dairy Processing Surfaces <i>T.G.G. Uthpala, S.B. Navaratne</i>	162
2.F.4	13.45 - 13.50	iPURSE 2021 – 155	iPURSE21ABS00393	Impact of Molasses and Foxtail Millet Incorporation on Physicochemical, Organoleptic and Biological Properties of Traditional Cereal Bread <i>J. Jeyakirishanth, M.C.N. Jayasooriya</i>	166
	13.50 - 14.10	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.F.5	14.10 - 14.15	iPURSE 2021 – 165	iPURSE21ABS00540	Development of a Vegetarian Analogue of Chicken Drumstick and Determination of Its Physico-Chemical Properties and Shelf Life <i>M.A.N.S. Mallawaarachchi, R.P.A.D. Rajapakse, R.P.N.P. Rajapakse</i>	176
2.F.6	14.15 - 14.20	iPURSE 2021 – 143	iPURSE21ABS00249	Development of Aloe Vera (<i>Aloe barbadensis</i> Mill) Cubes-Incorporated Set Yoghurt <i>K. G. L.Manjitha, R.D.A.K. Ranasinghe, K.M.W. Rajawatta</i>	154
2.F.7	14.20 - 14.25	iPURSE 2021 – 162	iPURSE21ABS00526	Development of <i>Manihot esculenta crantz</i> (Cassava) Starch-Based Biodegradable Food Packaging Material with Eggshell and Cellulose Fillers <i>U.L. Karunadhipathi, S.M.C. Himali</i>	173
2.F.8	14.25 - 14.30	iPURSE 2021 – 156	iPURSE21ABS00395	Utilization of Embul Banana (<i>Musa spp.</i>) Variety for Preparation of Flour as a Food Ingredient <i>P.N.T. De Zoysa, H.P.S. Senarath, R.M.N.A. Wijewardhana</i>	167
	14.30 - 14.50	Q & A			
2.F.9	14.50 - 14.55	iPURSE 2021 – 152	iPURSE21ABS00341	Development of Fiber-Enriched Bun from Wheat Flour Fortified with Kohila (<i>Lasia Spinosa</i>) Flour <i>E.G.K.M Karunarathna, W.D.S.S. Pemasinghe</i>	163
2.F10	14.55 - 15.00	iPURSE 2021 – 157	iPURSE21ABS00440	Status of Whole Grain Cereal Consumption: An Online Survey <i>M.S.N. Sahabandu, N.R. Abeynayake, G.A.P. Chandrasekara</i>	168

ID	Time	Index	Reference No.	Title and Author/s	Page No.
2.F.11	15.00 - 15.05	iPURSE 2021 – 161	iPURSE21ABS00518	Knowledge, Attitudes and Practices among Food Handlers on Food Safety during Orthodox Black Tea Manufacturing in Uva Medium Region of Sri Lanka <i>K.P.M. Kahandage, I. Wickramasinghe, S.B. Navarathne, W.A.J.P. Wijesinghe</i>	172
2.F.12	15.05 - 15.10	iPURSE 2021 – 173	iPURSE21ABS00719	Comparison of Physicochemical Properties of Twelve Iced Teas in Sri Lanka <i>Devini Wettimuny, I. Wickramasinghe</i>	184
	15.10 - 15.30	Q & A			

Programme of the Venue 03

- MA 38 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 03 (MA 38)

Theme 2: Education for Transformation

Parallel Session: 3 - A Time: 11.00 am - 13.00 pm			Chair: Prof. S.M.P.W.K. Sethunga Discussants: Dr. Padmini Dahanayake, Mr. R. Maheswaran		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.A.1	11.00 - 11.10	iPURSE 2021 – 074	iPURSE21ABS00037	Assessment of Healthcare Staff Satisfaction with Biochemistry Laboratory Services Provided in Teaching Hospital Anuradhapura <i>K.K.M.A.G. Karunatilaka, H.T.N. Hewageegana</i>	079
3.A.2	11.10 - 11.20	iPURSE 2021 – 063	iPURSE21ABS00132	Familiarity with and Usage of Reference Management Software (RMS) by Undergraduates in Faculty of Dental Sciences, University of Peradeniya, Sri Lanka <i>W.H.D.K. Abeyrathne, S. Premarathne</i>	068
3.A.3	11.20 - 11.30	iPURSE 2021 – 066	iPURSE21ABS00344	Influence of Study Habits on Academic Performance of Undergraduates of University of Peradeniya <i>H.M.U.T. Obesekara, L.N.A.C. Jayawardena</i>	071
3.A.4	11.30 - 11.40	iPURSE 2021 – 049	iPURSE21ABS00242	Usage of Library Resources and Services Provided by Agriculture Library, University of Peradeniya <i>H. N. K. Dissanayake</i>	054
	11.40 - 12.00	Q & A			
3.A.5	12.00 - 11.10	iPURSE 2021 – 054	iPURSE21ABS00443	A Case Study on Teaching English as a Second Language (ESL) to Three Visually Impaired Students at Faculty of Humanities, University of Kelaniya <i>I.A. Rathnayake, C. Arsakulasuriya</i>	059

ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.A.6	12.10 - 12.20	iPURSE 2021 – 062	iPURSE21ABS00126	Continuing Professional Development Practices of University Librarians in Sri Lanka: A Needs Assessment Survey <i>C. Gunasekera</i>	067
3.A.7	12.20 - 12.30	iPURSE 2021 – 060	iPURSE21ABS00124	Effectiveness of Cooperative Learning for English as a Second Language (ESL) Learners in Sri Lankan Universities <i>G.G.K.V. Galappaththy</i>	065
3.A.8	12.30 - 12.40	iPURSE 2021 – 052	iPURSE21ABS00431	Postgraduate Students' Perception of Online Learning and Face-to-Face Learning <i>P.R.K.A. Vitharana, E.M.P.C.S. Ekanayake, V. Lindakumbura</i>	057
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 03 (MA 38)

Theme 2: Education for Transformation

Parallel Session: 3 - B		Chair: Prof. C.K. Beneragama			
Time: 14.00 pm - 16.00 pm		Discussant: Dr. S.D.K. Wijesundera			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.B.1	14.00 - 14.10	iPURSE 2021 – 064	iPURSE21ABS00148	Convergence of Online and Face-to-Face Education for Economics: Adopting Past Experience in the New Normal <i>A.N. Fernando, Y.K.N. Kandewatta</i>	069
3.B.2	14.10 - 14.20	iPURSE 2021 – 056	iPURSE21ABS00725	Challenges and Opportunities of Digitalization of Higher Education: Student Perspectives (Faculty of Arts, University of Peradeniya) <i>A. Bandara, P. Sethunga, A.T.L. Athukorala</i>	061
3.B.3	14.20 - 14.30	iPURSE 2021 – 044	iPURSE21ABS00052	Study on the Learning Styles of Technology Stream Students in Sri Lankan University Context <i>T.S. Niroshan, V. Jerentulina</i>	049
3.B.4	14.30 - 14.40	iPURSE 2021 – 061	iPURSE21ABS00125	Use of E-Learning Resources by Dental Undergraduates of University of Peradeniya, Sri Lanka <i>W.B.M.C.R.D. Weerasekera, C. Gunasekera, S. Premarathne, B.E.S. Bandara</i>	066
	14.40 - 15.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.B.5	15.00 - 15.10	iPURSE 2021 – 048	iPURSE21ABS00825	Experience in Online Learning among Nursing Undergraduates in a State University in Sri Lanka: A Quantitative Study <i>H.R.B.K. Rahinduwa, T.S. Amarasinghe, N.T. Wijesinghe, D.R.T.S. Dasanayake, S.D.B.P.P. Samarasekara, S. Sobika, R.A.M.S.D.L. Jayathilake, A.U. Rathnayake</i>	053
3.B.6	15.10 - 15.20	iPURSE 2021 – 051	iPURSE21ABS00419	Implementation of E-learning Platforms to Learn English among Tertiary ESL Learners with COVID-19 Outbreak: Benefits and Issues <i>R.D.K Rajapaksha, W.K.N. Udara, A.G.T. Dimushika</i>	056
3.B.7	15.20 - 15.30	iPURSE 2021 – 069	iPURSE21ABS00773	Creating an Online Teacher Transfer System for Sri Lankan Education Sector: A Collaborative Action Research Based on Siphathu Education Management Information System (SEMIS) <i>K.P.A.R. Pathirana, K.L.E. Kumara, H.M.A.S. Herath, M.T.M. Ansaf</i>	074
3.B.8	15.30 - 15.40	iPURSE 2021 – 050	iPURSE21ABS00387	Private Tutoring and Its Impact on A/L Students: A Case Study <i>K.A.N.I. Kariyapperuma</i>	055
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 03 (MA 38)

Theme 2: Education for Transformation

Parallel Session: 3 - C Time: 16.15 pm - 18.15 pm			Chair: Prof. B.M.S. Bandara Discussant: Dr. H.M. Samarakoon Banda		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.C.1	16.15 - 16.25	iPURSE 2021 – 053	iPURSE21ABS00437	Primary Teachers' Awareness on STEM Integration <i>P.R.K.A. Vitharana, T.M.S.S.K. Yatigammana.</i>	058
3.C.2	16.25 - 16.35	iPURSE 2021 – 068	iPURSE21ABS00767	Implementing Factors and Criteria That Affect the Increase of Job Satisfaction of Teachers in Government Schools <i>H.M.N.D. Kumari, S.Vipularathna</i>	073
3.C.3	16.35 - 16.45	iPURSE 2021 – 067	iPURSE21ABS00350	Relationship between Adolescents' Self-Concept and School Satisfaction <i>T.D. Shyamali, N. Jayasena, G. Skrzypiec</i>	072
3.C.4	16.45 - 16.55	iPURSE 2021 – 058	iPURSE21ABS00806	Students' Difficulty with Notation for Dance in School Dance Lessons in Sri Lanka <i>V.D.D. Aluthge</i>	063
	16.55 - 17.15	Q & A			
3.C.5	17.15 - 17.25	iPURSE 2021 – 047	iPURSE21ABS00683	Knowledge and Practices on Classroom Strategies Used by Primary School Teachers of Selected Schools for the Hearing Impaired in Western Province <i>V.G.S Madhuwanthi, B.N. Jayasena</i>	052
3.C.6	17.25 - 17.35	iPURSE 2021 – 055	iPURSE21ABS00578	Taoist Philosophical Implications towards Individualized Teaching Method: A Comparative Study <i>N.M.B.P.K. Karunathilaka, A.M.R.M. Senewirathna</i>	060

ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.C.7	17.35 - 17.45	iPURSE 2021 – 045	iPURSE21ABS00122	Emotional Maturity and Leadership Styles among Secondary School Teachers in Sri Lanka <i>L.A.M.H.P Udayakumari</i>	050
3.C.8	17.45 - 17.55	iPURSE 2021 – 046	iPURSE21ABS00653	Impact of Parental Socio-Economic Status on Academic Performance of Students: A Case Study of Island Educational Zone, Jaffna <i>S. Mathusha, K.Kumudhini;</i>	051
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 03 (MA 38)

Theme 2: Education for Transformation

Parallel Session: 3 - D Time: 08.30 am – 09.30 am			Chair: Dr. P.R.K.A. Vitharana Discussant: Mr. A.M.A.S.M. Bandara, Dr. H.M. Samarakoon Banda		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.D.1	08.30 - 08.40	iPURSE 2021 – 057	iPURSE21ABS00796	Identification of School Clusters in Sabaragamuwa Province Using Geographic Information System <i>A.M.Rajah, M.T.M. Ansaf, K.L.E. Kumara, K.P.A.R. Pathirana, H.M.A.S. Herath</i>	062
3.D.2	08.40 - 08.50	iPURSE 2021 – 059	iPURSE21ABS00807	School Rationalization Study in Sabaragamuwa Province Using Spatial Data Model with Special Reference to Dehiovita and Deraniyagala Divisions <i>M.T.M. Ansaf, A.M. Rajah, K.L.E. Kumara, S.T.S. Wijerathne, K.P.A.R. Pathirana, H.M.A.S. Herath</i>	064
3.D.3	08.50 - 09.00	iPURSE 2021 – 043	iPURSE21ABS00058	Motivations and Perceived Barriers towards Online Education among Nursing Undergraduates at KIU, Sri Lanka <i>C. Colombage K.W.P. Dilini, W.D.M.I. Abeywickrama, B.U.P. Karunaratna, W. Piyumale, H.H.N.D. Dharmarathna, K.T.G. Kanchana</i>	048
3.D.4	09.00 - 09.10	iPURSE 2021 – 072	iPURSE21ABS00017	A Study on the Impact of Training on Employee Performance in a Multi-Purpose Cooperative Society in Sri Lanka <i>W.D.C.P. Amarasekara</i>	077
	09.10 - 09.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 03 (MA 38)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 3 - E			Chair: Prof. E.M.A.S.B. Ekanayake		
Time: 10.45 am – 11.45 am			Discussant: Ms. R.M.C. Kumari		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.E.1	10.45 - 10.55	iPURSE 2021 – 569	iPURSE21ABS00660	Entrepreneur’s Success in Small and Medium Scale Homestay Tourism Business in Southern Coastal Area <i>S.S.W. Jayasooriya, U.M. Devadas</i>	588
3.E.2	10.55 - 11.05	iPURSE 2021 – 571	iPURSE21ABS00509	Reasons for Creating Non-Performing Loans (NPLs) in ABC Company – A Case Study <i>D.G. Gunasekara, Y. K. Weerakoon Banda</i>	590
3.E.3	11.05 - 11.15	iPURSE 2021 – 570	iPURSE21ABS00462	Could Female Representation in Decision Making be Key to Breaking Hiring Biases? <i>M.N. Weeraddana</i>	589
	11.25 - 11.45	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 03 (MA 38)

Theme 4: Food, Nutrition and Livestock

Parallel Session: 3 - F Time: 13.30 pm – 15.05 pm			Chair: Prof. S.P. Nissanka Discussants: Dr. K. Nizanantha, Prof. H.M.V.G. Herath, Prof. Pradeepa Silva		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.F.1	13.30 - 13.35	iPURSE 2021 – 159	iPURSE21ABS00484	Evaluation of Antibiotic Resistance in Soil Amended with Cow Manure <i>A.D.D.M. Siriwardhana, R. Salih, S.P. Abeyundara, W.R.P Wijesinghe</i>	170
3.F.2	13.35 - 13.40	iPURSE 2021 – 168	iPURSE21ABS00552	Evaluating Genetic Variations on Brown Plant Hopper (<i>Nilaparvata lugens</i> (Stål)) Resistance Gene <i>Os06g0125132</i> of Rice for Molecular Marker Development <i>R.M.S.D.L. Abeyrathne, H.M.N.N. Herath, E.Y. Fernando, N.H.L.D.L.D. Nanayakkara, D.V. Jayatilake</i>	179
3.F.3	13.40 - 13.45	iPURSE 2021 – 172	iPURSE21ABS00666	Effect of Scheduled Irrigation and Fertilizer Application on Growth and Fruit Quality of Mandarin (<i>Citrus reticulata</i> Balanco) Variety Ehime <i>U.D.D. Namamuni, K.P. Somachadra, P.K. Dissanayake</i>	183
3.F.4	13.45 - 13.50	iPURSE 2021 – 166	iPURSE21ABS00542	Genetic Relationships of Selected Traditional and Newly Improved Sri Lankan Rice Germplasm <i>W.G.A.S. Sumanarathne, D.V. Jayatilake</i>	177

ID	Time	Index	Reference No.	Title and Author/s	Page No.
3.F.5	13.50 - 13.55	iPURSE 2021 – 170	iPURSE21ABS00567	Impact of Different Controlled, Released and Stabilized Urea-Based N Fertilizers on Productivity and Nitrogen Use Efficiency of Maize (<i>Zea mays</i> L) <i>S.M.P. Senevirathne, M. Gunawardena. S.P.Nissanka</i>	181
	13.55 - 14.20	Q & A			
3.F.6	14.20 - 14.25	iPURSE 2021 – 192	iPURSE21ABS00208	Colostrum is a Novel Source of Probiotics: A Study on Potential Probiotic Properties of Bacteria Isolated from Colostrum of Sri Lankan Dairy Cattle <i>R.M.S.P. Rajapaksha, J.K. Vidanarachchi, K.K.S.P. Kodithuwakku, P.H.P. Prasanna, J.A.M.S. Jayathilake</i>	203
3.F.7	14.25 - 14.30	iPURSE 2021 – 196	iPURSE21ABS00630	Effect of Parity and Breed on Postpartum Body Condition Score, Milk Yield and Calving to First Service Interval of Dairy Cows in Dry Zone of Sri Lanka <i>D.P. Marasinghe, M.A.L.S.S. Munasinghe, D.I. Abeygunawardana, R.M.S.B.K. Ranasinghe</i>	207
3.F.8	14.30 - 14.35	iPURSE 2021 – 197	iPURSE21ABS00637	Reproductive and Production Performances of Exotic Dairy Cows Managed under Intensive System in Dry Zone, Sri Lanka <i>H.K.H.M. Premantha, M.A.L.S.S. Munasinghe, D.I. Abeygunawardana, R.M.S.B.K. Ranasinghe</i>	208
	14.35 - 14.40	Q & A			

Programme of the Venue 04

- MA 38A -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 04 (MA 38A)

Theme 8: Socioeconomic Progress and Governance

Parallel Session: 4 - A			Chair: Prof. J. G. Sri Ranjith		
Time: 11.00 am - 12.30 pm			Discussant: Dr. S.S.K.D.M. Dorabawila		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.A.1	11.00 - 11.10	iPURSE 2021 – 547	iPURSE21ABS00048	Key Necessaries to Promote Value-Added Products in Sri Lankan Cinnamon Industry <i>S. Nirmal, V. Sachitra</i>	566
4.A.2	11.10 - 11.20	iPURSE 2021 – 562	iPURSE21ABS00624	Impact of Public Debt on Domestic Investment in Sri Lanka <i>S. Shiyalini</i>	581
4.A.3	11.20 - 11.30	iPURSE 2021 – 550	iPURSE21ABS00661	How Does Senescent of Workforce Impact Economy? : Sri Lankan Experience <i>A.N.N.M. Gunasekara</i>	569
4.A.4	11.30 - 11.40	iPURSE 2021 – 557	iPURSE21ABS00450	Impact of Foreign Direct Investment Inflows on Balance of Trade Deficit in Sri Lanka <i>A.M.K. Weerakoon</i>	576
	11.40 - 12.00	Q & A			
4.A.5	12.00 - 11.10	iPURSE 2021 – 560	iPURSE21ABS00563	Elasticities of Foreign Demand for Sri Lankan Agricultural Commodities <i>G.A. Ilangarathna, N. Nayanthara</i>	579
4.A.6	12.10 - 12.20	iPURSE 2021 – 555	iPURSE21ABS00218	Impact of Underemployment on Shadow Economy: Experimental Evidence from Sri Lanka <i>D.I.J. Samaranyake, O.G. Dayaratna-Banda</i>	574
	12.20 - 12.30	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 04 (MA 38A)

Theme 8: Socioeconomic Progress and Governance

Parallel Session: 4 - B		Chair: Prof. S.V.D.G. Samaranyake			
Time: 14.00 pm – 15.45 pm		Discussant: Dr. S. Baskaran			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.B.1	14.00 - 14.10	iPURSE 2021 – 564	iPURSE21ABS00306	Financial Contagion Effects on Stock Market: A Literature Review <i>I.D.W. Samarawickrama, A. Pallegedara</i>	583
4.B.2	14.10 - 14.20	iPURSE 2021 – 548	iPURSE21ABS00061	Factors Affecting Financial Performance: Evidence from Commercial Banks in Sri Lanka <i>S. Balagobei</i>	567
4.B.3	14.20 - 14.30	iPURSE 2021 – 558	iPURSE21ABS00494	Inequalities in Financial Literacy in Sri Lanka: An Assessment of Financial Knowledge, Behaviour and Attitudes <i>W.M.D.V. Wijekoon</i>	577
4.B.4	14.30 - 14.40	iPURSE 2021 – 559	iPURSE21ABS00532	Impact of Monetary Policy and Exchange Rate Interaction on Flexible Inflation Targeting: The Case of Sri Lanka <i>Y.K.N. Kandewatta, A.N. Fernando</i>	578
	14.40 - 15.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.B.5	15.00 - 15.10	iPURSE 2021 – 567	iPURSE21ABS00348	An Analysis of Exclusive Maritime Agreement 2020 as a Continuation and Transformation of Foreign Relations between Greece and Egypt <i>C.T.S.S. Perera</i>	586
4.B.6	15.10 - 15.20	iPURSE 2021 – 565	iPURSE21ABS00316	Efficacy of Collective Actions Approach for Sustainable Fishing in Palk Bay Region <i>H.N. Damayanthi</i>	584
4.B.7	15.20 - 15.30	iPURSE 2021 – 549	iPURSE21ABS00092	Identifying the Impact of Proposed Central Expressway of Sri Lanka on Humans and Animals <i>A.G.I.U. Alagalla</i>	568
	15.30 - 15.45	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 04 (MA 38A)

Theme 8: Socioeconomic Progress and Governance

Parallel Session: 4 - C		Chair: Prof. K.T. Silva			
Time: 16.15 pm - 18.15 pm		Discussant: Dr. Vijitha Nanayakkara			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.C.1	16.15 - 16.25	iPURSE 2021 – 556	iPURSE21ABS00355	Title Impact of Political Stability on Economic Growth in Selected Asian Countries <i>W.M.T.J. Wanigasuriya</i>	575
4.C.2	16.25 - 16.35	iPURSE 2021 – 552	iPURSE21ABS00670	Urban Politics and Citizenship: A Discourse on Social Identity of Slum Dwellers with Special Reference to Peliyagoda Urban Council in Gampaha District <i>D.M. Chandradas, H.D.H. Jeewanthi</i>	571
4.C.3	16.35 - 16.45	iPURSE 2021 – 568	iPURSE21ABS00770	Impact of Political Stability and Absence of Violence/Terrorism on Tourism: Empirical Evidence from Sri Lanka <i>R.M.M. Mayoshi, J.G. Sri Ranjith</i>	587
4.C.4	16.45 - 16.55	iPURSE 2021 – 561	iPURSE21ABS00613	Between Liberty and Equality: Assessing the Impact of Proliferation of ‘International Schools’ in Sri Lanka from a Right-to-Education Perspective <i>R.L. Perera</i>	580
	16.55 - 17.15	Q & A			
4.C.5	17.15 - 17.25	iPURSE 2021 – 563	iPURSE21ABS00188	Chronic Kidney Disease of Unknown Etiology (CKDu): Application of the Value of Statistical Life Approach in Sri Lanka <i>R. Gangahagedara, S.Y. Bandara, V. Ratwatte, M. Karunaratna, W. Athukorala</i>	582

ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.C.6	17.25 - 17.35	iPURSE 2021 – 553	iPURSE21ABS00671	Explaining Fertility Transition in Sri Lanka: A Case Study of Kandy District <i>P.P. Masakorala</i>	572
4.C.7	17.35 - 17.45	iPURSE 2021 – 566	iPURSE21ABS00322	A Sociological Study on Trusting Trustworthiness and Behavioural Modification among Young Adults in Sri Lanka <i>S. Udayanga.</i>	585
4.C.8	17.45 - 17.55	iPURSE 2021 – 546	iPURSE21ABS00043	Nature of Poverty Experienced by Contemporary Gemstone Mining Community in Sri Lanka <i>L.K. Bamumu Arachchi</i>	565
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 04 (MA 38A)

Theme 3: Environment and Natural Resources

Parallel Session: 4 - D		Chair: Prof. Champika Hettiarachchi			
Time: 08.30 am – 10.30 am		Discussants: Dr. Thiloka Ariyasena, Dr. Irushika Fernando, Dr. M.G.P.D. Menike			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.D.1	08.30 - 08.40	iPURSE 2021 – 113	iPURSE21ABS00328	Distribution and Probable Sources of Faecal Indicator Bacteria along Rawan-Oya Tributary of Mahaweli River in Kandy District <i>R.W.M.G.K. Kapukotuwa, C.L. Abayasekara, K.C. Weerakoon, R.S. Rajakaruna</i>	121
4.D.2	08.40 - 08.50	iPURSE 2021 – 116	iPURSE21ABS00519	Sorption of Basic Cationic Dye onto Municipal Waste Biochar Equilibrium and Thermodynamic Study <i>P. Rajapaksha, M.C.M. Iqbal, C.S. Kalpage, R.E.A. Dissnayake, H. Wijesinghe</i>	124
4.D.3	08.50 - 09.00	iPURSE 2021 – 118	iPURSE21ABS00544	Hexavalent Chromium (Cr(VI)) Removal Potential of Pure and Mixed Cultures of Staphylococcus spp. and Bacillus spp. in Presence of Cd(II) and Cu(II) <i>K.C.B. Aththanayake, I.V.N. Rathnayake, M.P. Deeyamulla</i>	126
4.D.4	09.00 - 09.10	iPURSE 2021 – 125	iPURSE21ABS00642	Formulation of a Cost-Effective Rice Straw-Derived Medium and an Attempt to Create a Recombinant <i>Trichoderma reesei</i> Strain to Enhance Its Cellulase Activity in Search of Bioethanol <i>R.M.C.G. Ratnayake, Y.I.N.S. Gunawardena, J. Weerasena, R.S. Dassanayake</i>	133

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	09.10 - 09.30	Q & A			
4.D.5	09.30 - 09.40	iPURSE 2021 – 127	iPURSE21ABS00657	Population Study of <i>Osbeckia lanata</i> Alston: Towards Its Conservation <i>R.M.K.S. Randeniya, E.H.C.M. Eeriyawala, A.M.T.A. Gunaratne, K.M.G.G. Jayasuriya, A.M.A.S. Attanayake, H.A.C.K. Ariyaratne</i>	135
4.D.6	09.40 - 09.50	iPURSE 2021 – 105	iPURSE21ABS00347	Identification and Quantification of Camptothecin and Camptothecin Analogues in <i>Ophiorrhiza Mungos</i> Grown in Bibile Area in Sri Lanka <i>K.M.T.D. Weerasekara, N. Salim, U.G. Chandrika</i>	113
4.D.7	09.50 - 10.00	iPURSE 2021 – 104	iPURSE21ABS00149	Adoption of Green Practices in Supply Chain Management among Manufacturing SMEs: Awareness, Willingness and Challenges <i>A.N. Fernando, R.Y.H. de A. Seneviratne, N. Melegoda, S.P. Premaratne, K. Dissanayake, S.M.W. Ranawala</i>	112
4.D.8	10.00 - 10.10	iPURSE 2021 – 103	iPURSE21ABS00577	Environmental Management Accounting Practices: A Case Study Analysis with Special Reference to Food and Beverage Industry in Sri Lanka <i>J.P.S.N. Samaranayake, D.H.S.W. Dissanayake, M.O.S. Mendis</i>	111
	10.10 - 10.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 04 (MA 38A)

Theme 3: Environment and Natural Resources

Parallel Session: 4 - E			Chair: Dr. P.K. Seelagama		
Time: 10.45 am – 12.45 pm			Discussant: Dr. Uditha Jinadasa		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.E.1	10.45 - 10.55	iPURSE 2021 – 086	iPURSE21ABS00655	An Assessment of Delft Eco-Village Tourism Potential as a Model for Sustainable Ecotourism in Jaffna District, Sri Lanka <i>P. Rajkumar, C.S. Wijesundara</i>	094
4.E.2	10.55 - 11.05	iPURSE 2021 – 083	iPURSE21ABS00077	A Social-Ecological Study on Urban Wetland Parks with Special Reference to Nugegoda Urban Wetland Park <i>V.A.V. De Silva</i>	091
4.E.3	11.05 - 11.15	iPURSE 2021 – 095	iPURSE21ABS00282	Solid Waste Management in Wattala-Mabole Urban Council <i>K. Nishathi</i>	103
4.E.4	11.15 - 11.25	iPURSE 2021 – 091	iPURSE21ABS00143	Social Media Platforms – An Emerging Threat to Biodiversity of Sri Lanka <i>M.L.I. De Silva, N.P. Abeyrathne, H.M.H.I. Herath</i>	099
	11.25 - 11.45	Q & A			
4.E.5	11.45 - 11.55	iPURSE 2021 – 094	iPURSE21ABS00250	Assessment of Human-Leopard Conflict in Selected Tea Plantation Ecosystems in Hill Country of Sri Lanka <i>K. Vinojkumar, C.S. Wijesundara</i>	102
4.E.6	11.55 - 12.05	iPURSE 2021 – 084	iPURSE21ABS00115	State-of-the-Art Literature of Global Heavy Minerals <i>H.C.S. Subasinghe, A.S. Ramayake, T.D.U. Wijewardhana</i>	092

ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.E.7	12.05 - 12.15	iPURSE 2021 – 099	iPURSE21ABS00713	Study on the Viability of Increasing Renewable Energy-Based Power Generation through Energy Democratization <i>M.R.C. Moraes, L. Manawadu, S.P. Premaratne</i>	107
4.E.8	12.15 - 12.25	iPURSE 2021 – 093	iPURSE21ABS00777	Exploring the Impact of Responsible Tourism on Stakeholders in Dambulla Tourism Destination <i>G.R.S.D. Gamage, P.S.K. Rajapakshe</i>	101
	12.25 - 12.45	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 04 (MA 38A)

Theme 3: Environment and Natural Resources

Parallel Session: 4 - F		Chair: Prof. W.A.M. Daundasekara			
Time: 13.30 pm – 15.05 pm		Discussants: Dr. J.W. Damunupola, Prof. T.M.T.W. Bandara, Dr. A.K. Karunarathne			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.F.1	13.30 - 13.35	iPURSE 2021 – 082	iPURSE21ABS00041	Solid Waste Management Process and Related Issues in Halls of Residence in University of Peradeniya <i>D.M.L. Dissanayake, C.S. Arambegedara, W.M.S.S. Dias</i>	090
4.F.2	13.35 - 13.40	iPURSE 2021 – 101	iPURSE21ABS00420	Comparison of Exposure to Particulate Matter and Volatile Organic Compounds while Commuting in Kandy City Using Different Transportation Modes <i>K.K.V. Dulmini, M.A. Elangasinghe, D.G.G.P. Karunarathne</i>	109
4.F.3	13.40 - 13.45	iPURSE 2021 – 102	iPURSE21ABS00536	Real-Time Air Pollution Monitoring System and Tracking Mobile App <i>S. Mathithepan, M. Kukapalini</i>	110
	13.45 - 14.00	Q & A			
4.F.4	14.00 - 14.05	iPURSE 2021 – 109	iPURSE21ABS00272	Characterization and Authentication of Isolated Rhizobia from Some Selected Host Plants <i>G.G.C.G. Thennakoon, R.G.U. Jayalal, S.A. Kulasooriya</i>	117
4.F.5	14.05 - 14.10	iPURSE 2021 – 111	iPURSE21ABS00301	In-Vitro Antioxidant and Phytotoxic Properties of Lichen Species <i>Heterodermia obscurata</i> Locally Common in Belihuloya, Sri Lanka <i>L.V. Perera, R.G.U. Jayalal, S.J. Perera</i>	119

ID	Time	Index	Reference No.	Title and Author/s	Page No.
4.F.6	14.10 - 14.15	iPURSE 2021 – 115	iPURSE21ABS00508	Evaluation of Microbiological Quality of Commercially Available Bottled Drinking Water in Colombo District, Sri Lanka <i>D.D.N. Perera, A.T. Herath, J.L.P.C. Randika, H.A.D. Ruwandeepika, R.G.U. Jayalal</i>	123
4.F.7	14.15 - 14.20	iPURSE 2021 – 131	iPURSE21ABS00704	Pollen Morphology, Viability, and In Vitro Germination Studies in <i>Carica Papaya L.</i> <i>E.U.U. Rathnathunga, W.H.N.Y. Hewage, E.P.S. Chandana</i>	139
4.F.8	14.20 - 14.25	iPURSE 2021 – 135	iPURSE21ABS00737	Variation of Air Temperature of Anuradhapura in Dry Zone of Sri Lanka <i>L.P.S.D.N. Wijerathna, U.S. Meegahakotuwa</i>	143
	14.25 - 14.50	Q & A			
4.F.9	14.50 - 14.55	iPURSE 2021 – 076	iPURSE21ABS00129	Assessment of District Inland and Aquaculture Fish Production and Productivity Referring to Major Climatic Zones in Sri Lanka <i>P.S.S.L. Wickrama, A.L. Sandika, P.V.S. Harshana</i>	084
4.F.10	14.55 - 15.00	iPURSE 2021 – 079	iPURSE21ABS00492	Relationship between Flame Photometry and ICP-MS Detected Potassium Concentrations Extracted in Calcium Chloride for Paddy Soils Samples <i>H.M.N.M. Herath, N.D.R. Madushan, W.M.U.K. Rathnayake, D.N. Sirisena, M. Ariyaratne, B.G.G. Wijesooriya, D.A.T. Samarasinghe, G.D.D.S. Gamage, R. Chandrajith, L.D.B. Suriyagoda</i>	087
	15.00 - 15.10	Q & A			

Programme of the Venue 05

- MA 44 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 05 (MA 44)

Theme 3: Environment and Natural Resources

Parallel Session: 5 - A			Chair: Prof. S.P.K. Malaviarachchi		
Time: 11.00 am - 13.00 pm			Discussant: Prof. L.R.K. Perera		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.A.1	11.00 - 11.10	iPURSE 2021 – 107	iPURSE21ABS00068	Identification of Meteorological Drought Using SPI Index in Kurunegala District, Sri Lanka <i>W.D.N. Asangika</i>	115
5.A.2	11.10 - 11.20	iPURSE 2021 – 120	iPURSE21ABS00580	Geostatistical Method for the Compilation of Spatial TDS Variations in Groundwater <i>S.U. Adikaram, T.K.S. Priyangani, M. Senarathna, P. Wijekoon, G. Bowatte, X. Chen, R. Weerasooriya</i>	128
5.A.3	11.20 - 11.30	iPURSE 2021 – 133	iPURSE21ABS00731	Spatial Variation of the Quality of Surface Water over Different Land Use Types in Upper Mahaweli Catchment <i>I.S. Somairi, T. Hewawasam, M.P. Rambukkange</i>	141
5.A.4	11.30 - 11.40	iPURSE 2021 – 129	iPURSE21ABS00682	Evaluation of the Effect of Land-Use Practices on Nitrate Contamination of Groundwater in Kalpitiya <i>R.M.P Dilshara, L.D. Amarasinghe, H.M.A.K. Handapangoda, J.C Edirisinghe, D.R. Gimhani, H.M.I.K Herath, D.S.G.G.C Swarnathilake, N.W.B.A.L. Udayanga</i>	137
	11.40 - 12.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.A.5	12.00 - 11.10	iPURSE 2021 – 110	iPURSE21ABS00274	Degradation of Bisphenol-A (BPA) in Drinking Water Using a Newly Synthesized Graphene-Based Photocatalyst <i>T.A.K.A. Thennakoon, B.E.P. Mendis, M. Gunawardena, R. De Silva</i>	118
5.A.6	12.10 - 12.20	iPURSE 2021 – 108	iPURSE21ABS00265	Evaluation of the Level of Groundwater Contamination Using Numerical Indices: A Case Study of CKDu Prevalence Area, Sri Lanka <i>H.T.D.R. Karunadasa, J.A. Liyanage</i>	116
5.A.7	12.20 - 12.30	iPURSE 2021 – 137	iPURSE21ABS00768	Mechanical Exfoliation of Large Area Graphene from Sri Lankan Graphite for Device Application <i>M.J. Karunya, A. Suvanya, U. Sutharsini, M. Thanaihaichelvan</i>	145
5.A.8	12.30 - 12.40	iPURSE 2021 – 132	iPURSE21ABS00706	Performance Analysis of Monolayer Nanoporous Graphene Oxide Membranes for Pressure-Driven Desalination: A Molecular Dynamics Study <i>K.Y. Heenkenda, H. Wijekoon, W. Zhiguo, R.J.K.U. Ranatunga, X. Chen, A.C.A. Jayasundera, R. Weerasooriya</i>	140
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 05 (MA 44)

Theme 3: Environment and Natural Resources

Parallel Session: 5 - B		Chair: Prof. S.K. Yatigammana			
Time: 14.00 pm - 16.00 pm		Discussant: Dr. N.P.S. Kumburegama			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.B.1	14.00 - 14.10	iPURSE 2021 – 123	iPURSE21ABS00621	Diversity and Abundance of Avifauna around “Tea and Experience Factory” Hotel, Mandaramnuwara, Sri Lanka <i>P.H.M.G.C. Priyadarshana, T.S.P. Fernando, M.P. Gunawardena</i>	131
5.B.2	14.10 - 14.20	iPURSE 2021 – 126	iPURSE21ABS00652	Morphometric Analysis of Genus <i>Elaeocarpus</i> L. (Elaeocarpaceae) in Sri Lanka <i>G.G.N.D. Silva, D.M.D. Yakandawala, K. Yakandawala</i>	134
5.B.3	14.20 - 14.30	iPURSE 2021 – 128	iPURSE21ABS00669	Preliminary Study of Age and Growth of Select Elasmobranch Fishes in Sri Lanka Based on Vertebral Growth Rings <i>A.G.G.C. Bandara, A. Tanna, M.F.M. Fairoz, D. Fernando</i>	136
5.B.4	14.30 - 14.40	iPURSE 2021 – 130	iPURSE21ABS00700	Molecular Characterization for Identification of Endangered Sri Lankan Leopard: A Forensic Application <i>G.A. Gunawardana, P.P. Jayasekara, W.M.R.R. Wijethunga, M.W.C.D. Palliyeguru, K.H.D.T. Kasagala</i>	138
	14.40 - 15.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.B.5	15.00 - 15.10	iPURSE 2021 – 124	iPURSE21ABS00626	Diversity of Butterflies in Horagolla National Park, Sri Lanka <i>P.H.M.G.C. Priyadarshana, R.A.H. Dilrukshi, M.P. Gunawardena</i>	132
5.B.6	15.10 - 15.20	iPURSE 2021 – 138	iPURSE21ABS00813	Diversity, Abundance and Distribution Patterns of Odonata in Royal Botanical Gardens, Peradeniya <i>A.M.P.E.K. Atapattu, S.K. Yatigammana</i>	146
5.B.7	15.20 - 15.30	iPURSE 2021 – 122	iPURSE21ABS00619	Population Structure of Olive Ridley Turtle (<i>Lepidochelys olivacea</i>) Nesting on Southwestern Coast of Sri Lanka <i>W.G.A.P. Warallanda, M.P. Jensen, S.D.S.S. Sooriyapathirana, R.S. Rajakaruna</i>	130
5.B.8	15.30 - 15.40	iPURSE 2021 – 119	iPURSE21ABS00561	Phylogenetic Relationships and Biogeographic Origins of Sri Lankan Sun Skinks (Reptilia: Scincidae: <i>Eutropis</i>) <i>P.L.T. Nirath, A. de Silva, K.D.B. Ukuwela</i>	127
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 05 (MA 44)

Theme 3: Environment and Natural Resources

Parallel Session: 5 - C			Chair: Prof. Sumedha Madawala		
Time: 16.15 pm - 18.15 pm			Discussant: Dr. Thilanka Gunaratne		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.C.1	16.15 - 16.25	iPURSE 2021 – 106	iPURSE21ABS00032	Isolation and Selection of Beneficial Fungi from Rubber-Growing Soils with Special Reference to Wood Degradability <i>A.H.M.N.R. Aberathne, T.H.P.S. Fernando</i>	114
5.C.2	16.25 - 16.35	iPURSE 2021 – 134	iPURSE21ABS00732	Microbial Toluene Utilization Capability in Petroleum Waste Contaminated Soil <i>Y.H.K.I.S.Gunasinghe, M.P. Deeyamulla, I.V.N. Rathnayake, A.T. Kannangara</i>	142
5.C.3	16.35 - 16.45	iPURSE 2021 – 117	iPURSE21ABS00529	Bio Inhibitory Potential of <i>Clidemia hirta</i> and <i>Mikania micrantha</i> on Selected Postharvest Fungal Pathogens and Weed Seed Germination <i>S.M.D.S. Gayathri, N.C. Bandara, N.S. Gama-Arachchige, J.W. Damunupola</i>	125
5.C.4	16.45 - 16.55	iPURSE 2021 – 139	iPURSE21ABS00818	Geochemistry of Rare Earth Elements in Mollusk Shells from a Sediment Core from Southeastern Sri Lanka and Its Paleocceanographic Implications <i>K. Premaratne, R. Chandrajith, N. Ratnayake, Si-Liang Li</i>	147
	16.55 - 17.15	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.C.5	17.15 - 17.25	iPURSE 2021 – 136	iPURSE21ABS00754	Measuring Individual Carbon Footprint and Exploring Its Determinants: A Case Study of Galewela Divisional Secretariat in Matale District, Sri Lanka <i>D.M.M.G.J.M. Disanayaka</i>	144
5.C.6	17.25 - 17.35	iPURSE 2021 – 114	iPURSE21ABS00435	Preliminary Analysis of Functional Diversity of Bacterial Communities Associated with Mangrove Ecosystems Located Within Puttalam Lagoon, Sri Lanka <i>B.W.M.K.E. Weerasinghe, A.P. Halmillawewa</i>	122
5.C.7	17.35 - 17.45	iPURSE 2021 – 112	iPURSE21ABS00310	Variation of Tree Diversity and Above-Ground Biomass of Homegardens in Matale District, Sri Lanka <i>W.A.M. Lowe, G.L.L.P. Silva, D.K.N.G. Pushpakumara</i>	120
5.C.8	17.45 - 17.55	iPURSE 2021 – 121	iPURSE21ABS00603	Enumeration of <i>Phlebiopsis flavidoalba</i> and <i>Schizophyllum commune</i> as Potential Polyethylene Degraders from Decaying Hardwood <i>P. Perera, H.M. Herath, C.S.K. Rajapakse, W.R.P. Wijesinghe, R.N. Attanayake</i>	129
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 05 (MA 44)

Theme 3: Environment and Natural Resources

Parallel Session: D - 5		Chair: Dr. D.M.L. Dissanayake			
Time: 08.30 am – 10.30 am		Discussant: Prof. T.M.T.W. Bandara			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.D.1	08.30 - 08.40	iPURSE 2021 – 089	iPURSE21ABS00504	A Descriptive Analysis on Corporate Environmental Reporting Practices of Sri Lankan Firms <i>R.N.K. Soysa, A. Pallegedara, A.S. Kumara, D.M. Jayasena, K.M. Dissanayake, M.K.S.M. Samaranyake</i>	097
5.D.2	08.40 - 08.50	iPURSE 2021 – 090	iPURSE21ABS00554	Role of the Judiciary in Balancing Developmental Rights and Environmental Rights in Sri Lanka: A ‘Band-aid’ or A ‘Cure’? <i>R.A.P. Panchali, A.Gunawardana</i>	098
5.D.3	08.50 - 09.00	iPURSE 2021 – 097	iPURSE21ABS00351	Waste Management Measures within Kandy Municipal Council Limits and Challenges Faced by Authorities and General Public <i>A.M.P.E.K. Atapattu, U. Edirisinghe</i>	105
5.D.4	09.00 - 09.10	iPURSE 2021 – 096	iPURSE21ABS00289	Waste Segregation in Household Sector in Sri Lanka: An Empirical Analysis of Ambalagoda Divisional Secretariat Division <i>H.W.H. Sandaruwani, N.P.D. Padmakanthi</i>	104
	09.10 - 09.30	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.D.5	09.30 - 09.40	iPURSE 2021 – 087	iPURSE21ABS00235	Preferences towards Energy Sustainability: Different Effects of Gender on Knowledge and Importance <i>S. Managi, I.A.J. Imbulana Arachchi</i>	095
5.D.6	09.40 - 09.50	iPURSE 2021 – 088	iPURSE21ABS00401	Potentials and Constraints of Natural Resource Utilization in Etanwala Isolated Village <i>G.V.H.M. Madhumali, D.C.V. Fernando, M.M.S.B. Manamperi, D.S.A. Munasinghe</i>	096
5.D.7	09.50 - 10.00	iPURSE 2021 – 085	iPURSE21ABS00654	An Evaluation of Avitourism Potential in Jaffna District, Sri Lanka <i>P. Rajkumar, C.S. Wijesundara</i>	093
5.D.8	10.00 - 10.10	iPURSE 2021 – 100	iPURSE21ABS00760	Strategies for Sustainable Solid Waste Disposal Process for Sub Urban DSD in Gampaha, <i>K.B.I.S. Ranwella W.A.L.P. Jayasinghe</i>	108
	10.10 - 10.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 05 (MA 44)

Theme 3: Environment and Natural Resources

Parallel Session: 5 - E			Chair: Prof. E.R.N. Gunawardene		
Time: 10.45 am – 12.30 pm			Discussants: Ms. Lakshika Weragoda, Prof. C. Bogahawatte		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.E.1	10.45 - 10.55	iPURSE 2021 – 075	iPURSE21ABS00054	Development of Evidence-Based Informative and Interactive Database (EBIID) for Vavuniya Solid Waste Management System in Sri Lanka <i>S. Kayanan, B.F.A. Basnayake</i>	083
5.E.2	10.55 - 11.05	iPURSE 2021 – 077	iPURSE21ABS00337	Sustainability Performance of Urban Rooftop Agriculture: A Comparative Analysis of South and South East Asia <i>E.G.I. Sevwardi</i>	085
5.E.3	11.05 - 11.15	iPURSE 2021 – 078	iPURSE21ABS00429	Current Status and Concerns on Shark and Ray Fishery of Sri Lanka <i>M.L.I. De Silva, M.A.S. Ranjula, M.S. Gunasinghe</i>	086
	11.15 - 11.30	Q & A			
5.E.4	11.30 - 11.40	iPURSE 2021 – 080	iPURSE21ABS00605	Possible Replacement of Coco-Peat Substrate with Guinea Grass for Grow-Bag Culture of Capsicum annum (L.) Var. Muriya <i>A.W.S. Pushpakumara, J.M.U.I. Jayasinghe, T.D. Nuwarapaksha, K.L.D.B.P. Liyanage, K.S. Weerasinghe, B. Gajanayake</i>	088

ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.E.5	11.40 - 11.50	iPURSE 2021 – 081	iPURSE21ABS00644	Phosphorus Reserves in a Tropical Ultisol under Vegetable Cultivation and Tropical Forests <i>D.M.M.R. Dissanayake, C.P. Attanayake, U.W.A. Vitharana, D.D.A.E. Hemamali</i>	089
5.E.6	11.50 - 12.00	iPURSE 2021 – 092	iPURSE21ABS00735	Relationship between FDI, Trade Openness and Environmental Degradation: With Special Reference to Sri Lanka <i>P.M.G.S. Nipunika</i>	100
5.E.7	12.00 - 12.10	iPURSE 2021 – 098	iPURSE21ABS00709	Covid-19 Implications on Achieving SDG 6 Targets in Sri Lanka under Global Water Agenda <i>D. Gamage, M.G.P.N. Chandrasena, H.A.H. Jayasena</i>	106
	12.10 - 12.30	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 05 (MA 44)

Theme 7: Science, Technology and Industry

Parallel Session: 5 - F			Chair: Prof. D.B.M.Wickramaratne		
Time: 13.30 pm – 15.30 pm			Discussants: Dr. Padmini Dahanayake, Dr. T.M.I.U.K Tennakoon, Prof. Janaki Eeswara		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.F.1	13.30 - 13.35	iPURSE 2021 – 453	iPURSE21ABS00689	Determination of Tolerance Limits of Dimethyl Sulfoxide (DMSO) on Selected <i>Candida</i> Strains for <i>Candida</i> Sensitivity Assays <i>D.N. Wanigasekara, M. Napagoda, S.S. Wickramasinghe, W.M.D.G.B. Wijayaratne</i>	470
5.F.2	13.35 - 13.40	iPURSE 2021 – 399	iPURSE21ABS00135	Evaluation of Effectiveness of “Touch DNA” Evidence in Criminal Investigations in Sri Lanka <i>B.D. De Silva, R.J. Illeperuma</i>	416
5.F.3	13.40 - 13.45	iPURSE 2021 – 403	iPURSE21ABS00545	Women’s Sexual Health Mobile Partner: What Do Women Expect from the App? <i>E.D. Uthpala, R.M.M. Pradeep</i>	420
5.F.4	13.45 - 13.50	iPURSE 2021 – 401	iPURSE21ABS00404	In-Vitro Anticandida Activity of <i>Panchawalkala</i> Decoction and <i>Rathmal Panchanga</i> Decoction Against <i>Candida Albicans</i> <i>K.C.M. Gamage, D.N. Wanigasekara, H.P. Wakkumbura</i>	418
	13.50 - 14.10	Q & A			
5.F.5	14.10 - 14.15	iPURSE 2021 – 400	iPURSE21ABS00213	A Study on Queuing System Performance of a Public Hospital Pharmacy <i>R.D.S.S. Rambandara, E.A.S.K. Ekanayake, H.M.I. Lakmali, A.G.D. Rasangi, W.A. Thilini</i>	417

ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.F.6	14.15 - 14.20	iPURSE 2021 – 402	iPURSE21ABS00434	Analyzing Queuing Performance of a State Pharmacy by Simulation: A Case Study of Sri Lanka <i>H.P.N.I. Kumarasinghe, W.M.T.H. Wijesundara, G.J. Bulegodaarachchi, W.K.A.H. Weerasinghe, M.G.N.C. Dharmawansa, H.P.I.M. Fernando</i>	419
5.F.7	14.20 - 14.25	iPURSE 2021 – 405	iPURSE21ABS00729	Investigating <i>In Vitro</i> Anti-Cancer Potency of <i>Osbeckia octandra</i> L. (<i>Heen bovititiya</i>) on YD 38 Oral Carcinoma Cells with Prognostic Genetic Markers <i>Y.G.M. Prasadani, R.P. Illeperuma, D.V. Jayathilaka, S.P. Kodithuwakku</i>	422
	14.25 - 14.40	Q & A			
5.F.8	14.40 - 14.45	iPURSE 2021 – 394	iPURSE21ABS00616	Morphological and Molecular Characterization of Traditional Rice Variety <i>Dahanala</i> , <i>V. Koodalugodaarachchi, D.S. Kekulandara, D.R. Gimhani</i>	411
5.F.9	14.45 - 14.50	iPURSE 2021 – 393	iPURSE21ABS00503	Effect of Potassium Polyacrylate Super Absorbent Polymer in Increasing Water Holding Capacity of Coconut Husk Chips-Based Growing Medium <i>W.A.K.P. Wijayasinghe, H.M.I.K. Herath</i>	410
5.F.10	14.50 - 14.55	iPURSE 2021 – 397	iPURSE21ABS00829	Acclimatization of <i>In Vitro</i> Derived <i>Dendrobiums</i> <i>P.D.D.M. Panapitiya, V.L.P. Amarasinghe, N.D.C.S. Leelarathne, A.I.S. Priyadarshan</i>	414

ID	Time	Index	Reference No.	Title and Author/s	Page No.
5.F.11	14.55 - 15.00	iPURSE 2021 – 391	iPURSE21ABS00157	Autonomous Weeds Identification and Watering System for Cabbage Crops <i>D.D.B. Senanayake</i>	408
5.F.12	15.00 - 15.05	iPURSE 2021 – 396	iPURSE21ABS00823	Photosynthesis-Irradiance Response Curves as Affected by Mutual Shading in Batch Cultures of <i>Euglena gracilis</i> Klebs <i>V.N. Kodithuwakkuge, S.M.P. Seneviratne, M.L.D.I Madhuwanthi, M.H.S.M. Hettiarachchi, R.P.W.A. Dilrukshi, D.M.N.S. Dissanayaka, K. Goto, C.K. Beneragama</i>	413
	15.05 - 15.30	Q & A			

Programme of the Venue 06

- MA 46 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 06 (MA 46)

Theme 7: Science, Technology and Industry

Parallel Session: 6 - A Time: 11.00 am - 13.00 pm			Chair: Dr. T.K.K. Chamindu Deepagoda Discussant: Dr. H.D. Yapa		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.A.1	11.00 - 11.10	iPURSE 2021 – 425	iPURSE21ABS00292	Finite Element Approach to Evaluate Strength and Ductility of Steel Box Column with Corner Stiffener <i>M. Jenothan, T. Thevega, J.A.S.C. Jayasinghe, C.S. Bandara</i>	442
6.A.2	11.10 - 11.20	iPURSE 2021 – 437	iPURSE21ABS00587	Damping Change-Based Damage Detection of Post-Tensioned Concrete Girder Bridges <i>A.J. Dammika</i>	454
6.A.3	11.20 - 11.30	iPURSE 2021 – 420	iPURSE21ABS00082	A Feasibility Evaluation of Plausibility of Using Recycled Concrete Waste in Construction Projects in Sri Lanka: A Case Study Approach <i>S.G.S. Karunanayake</i>	437
6.A.4	11.30 - 11.40	iPURSE 2021 – 438	iPURSE21ABS00656	Optimization of Coagulation and Flocculation Process in Kandana Water Treatment Plant <i>N.S. Jayasinghe, M. Makehelwala, W.B.M.L.I. Weerasekara, S.K. Weragoda</i>	455
	11.40 - 12.00	Q & A			
6.A.5	12.00 - 11.10	iPURSE 2021 – 434	iPURSE21ABS00525	Insertion of Geogrid to Ballast Layer to Improve Rail Track Performance <i>S. Venuja, S.K. Navaratmarajah, C.S. Bandara, J.A.S.C. Jayasinghe</i>	451

ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.A.6	12.10 - 12.20	iPURSE 2021 – 431	iPURSE21ABS00510	Effect of Under Sleeper Pad on Shear and Degradation Behaviour of Railway Ballast <i>H.G.S. Mayuranga, S.K. Navaratnarajah, C.S. Bandara, J.A.S.C. Jayasinghe</i>	448
6.A.7	12.20 - 12.30	iPURSE 2021 – 432	iPURSE21ABS00511	Development of Train Track Models with Continuum Superstructure and Simplified Substructures <i>R.M.D.L. Rathnayake, S.K. Navaratnarajah, J.A.S.C. Jayasinghe, C.S. Bandara</i>	449
6.A.8	12.30 - 12.40	iPURSE 2021 – 435	iPURSE21ABS00573	Large-Scale Testing Facilities to Study Stress-Strain, Degradation and Drainage Behaviour of Railway Ballast <i>S.K. Navaratnarajah, H.G.S. Mayurang, S. Venuja</i>	452
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 06 (MA 46)

Theme 7: Science, Technology and Industry

Parallel Session: 6 - B		Chair: Prof. A. Dangolla			
Time: 14.00 pm - 16.00 pm		Discussants: Dr. Indu Nanayakkara. Dr. Kavindra Wijesundara, Dr. W.R. Priyanga Wijesinghe			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.B.1	14.00 - 14.10	iPURSE 2021 – 454	iPURSE21ABS00564	Feasibility of Sound Touch Elastography Technique to Detect Fibrosis in Chronic Kidney Disease <i>M.S. Bandara, C. Jayathilake, A. Pallewatte, J. Wansapura</i>	471
6.B.2	14.10 - 14.20	iPURSE 2021 – 541	iPURSE21ABS00093	Human Elephant Conflict Management through Community-Based Elephant Early Warning System <i>P.D. Buddika, U.H. Abewickrama, R.M. Weerasinghe</i>	558
6.B.3	14.20 - 14.30	iPURSE 2021 – 543	iPURSE21ABS00296	Molecular Detection of Haemoparasites in Sheep in Horrakelley Farm, Sri Lanka <i>A.M. Jayaweera, W.A.S.M. Premaratne, A.G.S. Dilinika, R.P.V.J. Rajapakse, T.A.N. Mahakapuge</i>	560
6.B.4	14.30 - 14.40	iPURSE 2021 – 544	iPURSE21ABS00695	Evaluation of ISSR-PCR Primers to Determine Genetic Variability among Cattle in Sri Lanka <i>W.M.R.R. Wijethunga, P.P. Jayasekara, G.A. Gunawardana, M.W.C.D. Palliyeguru</i>	561
	14.40 - 15.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.B.5	15.00 - 15.10	iPURSE 2021 – 455	iPURSE21ABS00050	Native Bees of Sri Lanka Enhancing Pollination of Sesame, <i>Sesamum indicum</i> L. <i>E.M.D. Ekanayake, W.A.I.P. Karunaratne</i>	472
6.B.6	15.10 - 15.20	iPURSE 2021 – 519	iPURSE21ABS00569	A Lower Dimensional Approximation of Mammography for Breast Cancer Detection <i>H.S.I. Wijerathna, A.N.S. Ambegedara, U.G.I.G.K. Udagedara</i>	536
6.B.7	15.20 - 15.30	iPURSE 2021 – 488	iPURSE21ABS00263	Application of Convolutional Neural Networks in Fruit Image Recognition <i>K. Niruththana, W.D.S.S. Pemasinghe</i>	505
6.B.8	15.30 - 15.40	iPURSE 2021 – 404	iPURSE21ABS00568	Assessment of Ultrasound-Based Radiomics as A Marker of Chronic Kidney Disease <i>M.S. Bandara, C. Jayathilake, A. Pallewatte, J. Wansapura</i>	421
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 06 (MA 46)

Theme 7: Science, Technology and Industry

Parallel Session: 6 - C		Chair: Prof. N.D.K. Dayawansa			
Time: 16.15 pm - 18.15 pm		Discussants: Dr. Chammi Attanayake, Prof. W.A.U. Vitharana			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.C.1	16.15 - 16.25	iPURSE 2021 – 390	iPURSE21ABS00008	Plant Growth-Promoting Rhizobacteria Isolated from Paddy Soils: Exploration of Iron-Chelating Ability and Phyto-Beneficial Traits for Biofortification of Rice <i>H.K.T. Dinushka, B.L.W.K. Balasooriya, M.P. Dassanayaka, S. Amirthalingam</i>	407
6.C.2	16.25 - 16.35	iPURSE 2021 – 395	iPURSE21ABS00765	Deep Learning for Tomato Disease Classification Using Leaf Images <i>L.A.K.S. Chathuranga, D. Athauda, D. Herath</i>	412
6.C.3	16.35 - 16.45	iPURSE 2021 – 392	iPURSE21ABS00455	Early Vegetative Growth of Chili (<i>Capsicum annum</i>) Varieties under Reduced Nitrogen Levels Provided through <i>In Vitro</i> Culture <i>A.S. Jathunarachchi, P.I.P. Perera, A.S.A. Salgadoe, D.R. Gimhani</i>	409
6.C.4	16.45 - 16.55	iPURSE 2021 – 398	iPURSE21ABS00830	An Efficient Protocol for <i>In Vitro</i> Regeneration of Aloe Vera <i>P.D.D.M. Panapitiya, V.L.P. Amarasinghe, N.D.C.S. Leelarathne, A.I.S. Priyadharshan</i>	415
	16.55 - 17.15	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.C.5	17.15 - 17.25	iPURSE 2021 – 474	iPURSE21ABS00178	Larvicidal Potential of <i>Syzygium aromaticum</i> (Clove) Leaf Powder against <i>Aedes aegypti</i> L. (Diptera: Culicidae) Mosquito Larvae <i>S.N. Ramanayaka, P. Wijayawardana, G.C. Weerakkody, N.D.A.D. Wijegunawardana, S.S. Gunawardhana, E.M.B.M. Karunathilake</i>	491
6.C.6	17.25 - 17.35	iPURSE 2021 – 538	iPURSE21ABS00832	A Statistical Binary Classification Approach to Identify Phosphate Solubilizing Bacterial (PSB) Viability in Soil Environment <i>T.H.D. Darshani</i>	555
6.C.7	17.35 - 17.45	iPURSE 2021 – 510	iPURSE21ABS00480	Preliminary Observations on Innovation in <i>Macaca sinica aurifrons</i> <i>I.A.W.W. Idirisinghe, S.H. Boyagoda</i>	527
6.C.8	17.45 - 17.55	iPURSE 2021 – 457	iPURSE21ABS00057	Ginger (<i>Zingiber officinale</i>) Bioactive Compounds – Montmorillonite Nanocomposite as a Sustained Release Nutraceutical Formulation <i>H.A.S.D. Darshani, N. Adassooriya</i>	474
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 06 (MA 46)

Theme 7: Science, Technology and Industry

Parallel Session: 6 - D			Chair: Prof. Lalith Jayasinghe		
Time: 08.30 am – 10.30 am			Discussant: Dr. Vajira Seneviratne		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.D.1	08.30 - 08.40	iPURSE 2021 – 462	iPURSE21ABS00099	Studying Synthesis of a Novel Cardanol-Based Monoglyceride Using Cashew Nut Shell Liquid <i>A.H.F. Nimra, M.A.B. Prashantha, P.I. Godakumbura</i>	479
6.D.2	08.40 - 08.50	iPURSE 2021 – 527	iPURSE21ABS00728	Palmyra Fibre Reinforced Polyethylene Composite for Thermal Insulation Application <i>H.M.N.M. Amarathunga, W.K.S.F.R. Perera, T. Thanishaichelvan, R. Ramachandran, H.M.C.C. Somarathna</i>	544
6.D.3	08.50 - 09.00	iPURSE 2021 – 506	iPURSE21ABS00445	Microwave-Assisted Solvent-Free Synthesis of 3-(4-Dimethylaminobenzylidene) Indolin-2-One and Investigation of Its Anti-Oxidant Activity <i>H.P.S.K. Wijekoon, N.P.L.N. Palliyaguru, T.D.C.P. Gunasekara, S.S.N. Fernando, P.P.M. Jayaweera, K.G.U.R. Kumarasinghe</i>	523
6.D.4	09.00 - 09.10	iPURSE 2021 – 513	iPURSE21ABS00496	Development of a Cinnamon Adulteration Detection Pipeline with Bar-HRM Technology and Cluster Analysis <i>F.H.C. Silva, M.A.L.M. Peiris, S.P. Abeyundara, W.R.P. Wijesinghe</i>	530
	09.10 - 09.30	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.D.5	09.30 - 09.40	iPURSE 2021 – 524	iPURSE21ABS00680	Synthesis and Characterization of Carrageenan Submicron-Particles for Controlled Release of Resveratrol <i>M.F.F. Reesha, D.N. Karunaratne, A.D.L.C. Perera, N.L.V.V. Karunaratne, J.M.S.J. Menike, G. Pamunuwa</i>	541
6.D.6	09.40 - 09.50	iPURSE 2021 – 518	iPURSE21ABS00527	Development of a Fluoride Test Paper Using a Modified SPADNS-Zr Dye Method <i>W.A.D.D. Fonseka, P.L.A.T. Cooray, K.G.U.R. Kumarasinghe</i>	535
6.D.7	09.50 - 10.00	iPURSE 2021 – 520	iPURSE21ABS00582	Paradoxical Antimicrobial Activities of Some Terpenoids and Terpenoid-Derivatives <i>P.D.U. Pavithra, D.N. Wanigasekara, M.T. Napagoda, K. Wijesekara, G.B. Wijayarathne, B.G. Bag, A.C. Barai, S. Ghorai, S.K. Panja, S. Patra</i>	537
6.D.8	10.00 - 10.10	iPURSE 2021 – 504	iPURSE21ABS00433	Green Extraction of Nanocellulose from Banana Pseudostem <i>K.M.P.P.K. Pamunuwa, P.D. Wathudura, S.R. Gunatilake, N.M.S. Sirimuthu, P.K.D.M.C. Karunaratne</i>	521
	10.10 - 10.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 06 (MA 46)

Theme 7: Science, Technology and Industry

Parallel Session: 6 - E			Chair: Dr. Ruwan Ranweera		
Time: 10.45 am – 13.00 pm			Discussant: Dr. Achala Pallegedara		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.E.1	10.45 - 10.55	iPURSE 2021 – 419	iPURSE21ABS00049	Isometric Mapping for Pixel Classification in Hyperspectral Images <i>E.M.M.B. Ekanayake, G.M.R.I. Godaliyadda, H.M.V.R. Herath, M.P.B. Ekanayake</i>	436
6.E.2	10.55 - 11.05	iPURSE 2021 – 442	iPURSE21ABS00745	Generating Efficient Delivery Routes Utilizing a Heterogeneous Fleet of Vehicles <i>P. Hettiarachchi, S. Dharmapriya, A.K. Kulatunga</i>	459
6.E.3	11.05 - 11.15	iPURSE 2021 – 423	iPURSE21ABS00259	Support Vector Machines-Based Traffic Sign Detection System for Autonomous Driving <i>G.A.N.S. Gunasekara, D.A. Gunarathna, M.B. Dissanayake, S. Aramvith</i>	440
6.E.4	11.15 - 11.25	iPURSE 2021 – 429	iPURSE21ABS00438	Vision-Based Road Distance Modeling for Inter-Vehicle Distance Estimation <i>I.U. Perera, K.M.S.K. Senavirathna, K.B.A.C. Jayarathne, G.M.R.I. Godaliyadda, M.P.B. Ekanayake, J.V. Wijayakulasooriya, V.R. Herath, I.M.S. Sathyaprasad</i>	446
	11.25 - 11.45	Q & A			
6.E.5	11.45 - 11.55	iPURSE 2021 – 428	iPURSE21ABS00389	Traditional vs. Deep Learning: A Comparative Study for Credit Card Fraud Detection <i>R.C. Nissanka, C.K. Walgampaya</i>	445

ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.E.6	11.55 - 12.05	iPURSE 2021 – 441	iPURSE21ABS00739	FFBPNN Approach to Smartphone-Based Indoor Positioning Technique <i>L.C.D. Wickramasinghe, M.B. Dissanayake</i>	458
6.E.7	12.05 - 12.15	iPURSE 2021 – 436	iPURSE21ABS00584	Effect of Enterprise Social Networking Adoption Practices on Knowledge Management in Sri Lankan Software Companies <i>H. Asela</i>	453
6.E.8	12.15 - 12.25	iPURSE 2021 – 430	iPURSE21ABS00475	Prioritization of Expected Employability Skills of Fresh Civil Engineering Graduates <i>M.M.G.V. Shyamalee, K.S. Walgama</i>	447
6.E.9	12.25 - 12.35	iPURSE 2021 – 071	iPURSE21ABS00458	Academics' Perceptions of Adopting OEP for Engineering Education: Peradeniya Perspective <i>I.P. Ratnapala</i>	076
	12.35 - 13.00	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 06 (MA 46)

Theme 7: Science, Technology and Industry

Parallel Session: 6 - F		Chair: Dr. R.J.K. Udayana Ranatunga			
Time: 13.30 pm – 15.20 pm		Discussants: Dr. H.A.I.R. Perera, Dr. N.M.T. Anupama			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.F.1	13.30 - 13.35	iPURSE 2021 – 475	iPURSE21ABS00181	Direct Treatment of Chemical Laboratory Wastewater Using Microalgae <i>Chlorococcum aquaticum</i> and <i>Chlorella</i> sp. <i>M.K.N.A. Jayawardhana, W.G.M. Lakmali, S.N.P. Athukorala, K.B. Jayasundera</i>	492
6.F.2	13.35 - 13.40	iPURSE 2021 – 490	iPURSE21ABS00281	Eco-Friendly Water Filters: Development of New Filtration Module Using <i>Strychnos potatorum</i> Seeds, Sand, and Banana Stem Charcoal as Starting Materials <i>M. Kandiah, I. Oasha, O. Perera</i>	507
6.F.3	13.40 - 13.45	iPURSE 2021 – 501	iPURSE21ABS00397	Antibacterial Property of Aqueous and Methanolic Extracts of <i>Bauhinia racemosa</i> Leaves against Selected <i>Escherichia coli</i> Strains <i>M.L.M.D.T. Udayashantha, H.B.I. Dilrukshi, W.N. Jayawardhana, H.P. Wakkumbura, D.N. Wanigasekara</i>	518
	13.45 - 14.00	Q & A			
6.F.4	14.00 - 14.05	iPURSE 2021 – 463	iPURSE21ABS00117	Characterization of Petroleum Oil-Degrading Indigenous Bacteria Isolated from Petroleum Waste Contaminated Garage Soil in Kandy, Sri Lanka <i>T. Balendran, P. Samaraweera</i>	480

ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.F.5	14.05 - 14.10	iPURSE 2021 – 533	iPURSE21ABS00784	Green Synthesis of Nanocellulose Using Two Selected Invasive Plants in Sri Lanka <i>S.A. Senevirathne, N.B. Jayaratna, M.C.S. Godage</i>	550
6.F.6	14.10 - 14.15	iPURSE 2021 – 460	iPURSE21ABS00094	Statistical Analysis on Factors Influencing Child Injuries in Colombo, Sri Lanka <i>N. Varathan, S.N.D.H. Subasinghe</i>	477
6.F.7	14.15 - 14.20	iPURSE 2021 – 517	iPURSE21ABS00524	Application of Low-Cost Graphite Counter Electrode for Dye-Sensitized Solar Cells: A Comparative Study on Sintering Temperature <i>J.M.K.W. Kumari, M.A.K.L. Dissanayake, G.K.R. Senadeera</i>	534
	14.20 - 14.40	Q & A			
6.F.8	14.40 - 14.45	iPURSE 2021 – 532	iPURSE21ABS00775	Comparative Study on Catalytic Activity of Green Copper Nanoparticles from Ginger (<i>Zingiber officinale</i>) and Clove (<i>Syzygium aromaticum</i>) Extract <i>S.M.S.W. Sivirathne, S.A. Senevirathne, N.B. Jayaratna</i>	549
6.F.9	14.45 - 14.50	iPURSE 2021 – 500	iPURSE21ABS00390	Qualitative and Quantitative Chemical Analysis of “ <i>Katuwelbatu Deduru Katuka Churna</i> ” <i>K.G.A.N. Premachandra, D.N. Wanigasekara, H.P. Wakkumbura</i>	517
6.F.10	14.50 - 14.55	iPURSE 2021 – 545	iPURSE21ABS00701	Characterisation of MCIR Gene in a Mongrel Dog Population in Mullaitivu, Sri Lanka <i>R.A.M.K. Rathnayake, T.L.K. Ediritalaka, S. Wickramasinghe</i>	562

ID	Time	Index	Reference No.	Title and Author/s	Page No.
6.F.11	14.55 - 15.00	iPURSE 2021 – 542	iPURSE21ABS00172	Low-Cost Orbital Shaker and Incubator to Support Serum Analysis Using Bio-Pro Rabies ELISA Antibody Kit <i>P.D.L. Gomis</i> <i>U.A.H. Udagedara, H. Rathnadiwakara, M. Gunatilake</i>	559
	15.00 - 15.20	Q & A			

Programme of the Venue 07

-MA 47 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 07 (MA 47)

Theme 7: Science, Technology and Industry

Parallel Session: 7 - A			Chair: Prof. S.R. Kodituwakku		
Time: 11.00 am - 13.00 pm			Discussant: Dr. R.D. Nawarathna		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.A.1	11.00 - 11.10	iPURSE 2021 – 508	iPURSE21ABS00468	Investigator: Artificial Intelligence-Based Crime Analysis and Prediction Platform <i>H.M.M.I.S.B. Herath, D.M.R. Dinalankara</i>	525
7.A.2	11.10 - 11.20	iPURSE 2021 – 530	iPURSE21ABS00763	Ranking the Performance of Batsmen in IPL-2020 by Principal Component Analysis <i>G.M.S. Dinushika, L.A. Kalashini</i>	547
7.A.3	11.20 - 11.30	iPURSE 2021 – 489	iPURSE21ABS00279	Use of Computer Vision and Transfer Learning to Identify and Manage Utility Service Invoices <i>H.L.K.S. Hiniduma, P.M.P.C. Gunathilake</i>	506
7.A.4	11.30 - 11.40	iPURSE 2021 – 535	iPURSE21ABS00801	A Review of Multidimensional Data Visualization in Immersive 3D User Interfaces <i>A.S.K. Wijayawardena, G.D.S.P. Wimalaratne</i>	552
	11.40 - 12.00	Q & A			
7.A.5	12.00 - 11.10	iPURSE 2021 – 468	iPURSE21ABS00137	Distinguishing Local Minimizers and a Global Minimizer for Nonlinear Minimization Problems with Mixed Variables <i>S. Selvarajan, B. Muraleetharan, S. Srisatkunarajah</i>	485
7.A.6	12.10 - 12.20	iPURSE 2021 – 515	iPURSE21ABS00507	Effect of Agile Software Development Practices on Knowledge Management in Sri Lankan Software Companies <i>H. Asela</i>	532

ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.A.7	12.20 - 12.30	iPURSE 2021 – 473	iPURSE21ABS00176	Attaining an Initial Feasible Solution to Hitchcock Transportation Problem <i>A.P. Batuwita, Z.A.M.S. Juman</i>	490
7.A.8	12.30 - 12.40	iPURSE 2021 – 540	iPURSE21ABS00834	Musical Chord Recognition for Electronic Dance Music Data Using Neural Networks <i>M.A.K.H. Udayanthi, A.J. Piniidiyaarachchi</i>	557
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 07 (MA 47)

Theme 7: Science, Technology and Industry

Parallel Session: 7 – B			Chair: Prof. W.B.Daundasekera		
Time: 14.00 pm - 16.00 pm			Discussant: Dr. A.K. Amarasinghe		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.B.1	14.00 - 14.10	iPURSE 2021 – 536	iPURSE21ABS00811	A Novel Approach to Model Autocorrelation Functions of Wind Speed Data <i>H.M.D.P. Bandarathilake, G.W.R.M.R. Palamakumbura</i>	553
7.B.2	14.10 - 14.20	iPURSE 2021 – 523	iPURSE21ABS00677	Distance Regularity of Generalized Hadamard Graphs <i>W.V. Nishadi, A.A.I. Perera</i>	540
7.B.3	14.20 - 14.30	iPURSE 2021 – 478	iPURSE21ABS00228	A New Algorithm to Find Any Positive Integer Power of Any Positive Integer <i>K.G.H.H.K. Senerath, P.M.N. Dharmawardane, E.M.P. Ekanayake</i>	495
7.B.4	14.30 - 14.40	iPURSE 2021 – 499	iPURSE21ABS00376	Reconstruction of Wheel Graphs <i>M.D.M.C.P. Weerathna, A.P. Batuwita, K.D.E. Dhananjaya, A.A.I. Perera</i>	516
	14.40 - 15.00	Q & A			
7.B.5	15.00 - 15.10	iPURSE 2021 – 497	iPURSE21ABS00360	Some Representations of G-Frames in Quaternionic Setting <i>M. Khokulan, M. Sangartha</i>	514
7.B.6	15.10 - 15.20	iPURSE 2021 – 469	iPURSE21ABS00153	An Alternative Method of Construction of Anti-Magic Labeling of Complete Bipartite Graphs $K_{(n,n)}$ <i>W.V Nishadi, A.A.I. Perera</i>	486

ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.B.7	15.20 - 15.30	iPURSE 2021 – 464	iPURSE21ABS00120	An Algorithm to Compute Minimal Solution of Continuous Algebraic Riccati Equation <i>R. Prasanthan</i>	481
7.B.8	15.30 - 15.40	iPURSE 2021 – 467	iPURSE21ABS00131	On Number of 1-Factors in a 1-Factorization of Complete Multipartite Graph of Form $K_{(m,m,m,\dots,m)}$ with an Even Number of n-partite Sets <i>M.D.M.C.P. Weerathna, P.G.R.S. Ranasinghe, A.A.I. Perera</i>	484
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 07 (MA 47)

Theme 7: Science, Technology and Industry

Parallel Session: 7 - C			Chair: Dr. H.T.K. Abeyesundara		
Time: 16.15 pm - 18.15 pm			Discussant: Dr. Mahasen Dehideniya		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.C.1	16.15 - 16.25	iPURSE 2021 – 471	iPURSE21ABS00169	Multiple Linear Regression Approach for Determining Relationship between Serum Biomarkers and Estimated Glomerular Filtration Rate of Chronic Kidney Disease <i>R.A.S. Rajapaksha, Y.R.D. Yapa, N. Nanayakkara</i>	488
7.C.2	16.25 - 16.35	iPURSE 2021 – 481	iPURSE21ABS00233	Bayesian Model for Heteroscedastic Measurements in Method Comparison Data <i>S.M.M. Lakmali, L.S. Nawarathna, P. Wijekoon</i>	498
7.C.3	16.35 - 16.45	iPURSE 2021 – 476	iPURSE21ABS00193	Statistical Inference for Multidimensional Poverty Index <i>T.D.D.K. Perera, B.M.S.G. Banneheka</i>	493
7.C.4	16.45 - 16.55	iPURSE 2021 – 459	iPURSE21ABS00071	Development of a Regression Model to Investigate Correlation of Selected Input Parameters to Thread Consumption of “Over-Lock Stitch 514” <i>T.S. Niroshan</i>	476
	16.55 - 17.15	Q & A			
7.C.5	17.15 - 17.25	iPURSE 2021 – 526	iPURSE21ABS00694	Performance Comparison Analysis of Docker Container and Virtual Machine in Cloud Computing Environment for Database Management Systems <i>M.L. Weeraratna</i>	543

ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.C.6	17.25 - 17.35	iPURSE 2021 – 502	iPURSE21ABS00398	Simulation of Performance of a Bill Payment Service: A Case Study <i>P.M.G.N.M. Jayarathne, M.W.A.M.P. Muthukuda, B.R.B. Mendis, D.R.S. Ranaweera, T.M.H.P. Tennakoon</i>	519
7.C.7	17.35 - 17.45	iPURSE 2021 – 528	iPURSE21ABS00736	A Statistical Approach to Delineate Areas with Chronic Kidney Disease of Unknown Etiology (CKDu) in Dry Zone of Sri Lanka Using Hydrogeochemical Data <i>H.M.A.D. Rathnayake, L.S. Nawarathna, R. Chandrajith</i>	545
7.C.8	17.45 - 17.55	iPURSE 2021 – 461	iPURSE21ABS00096	Statistical Analysis of the Impact of Macro-Economic Variables on Gross Domestic Production in Sri Lanka <i>N. Varathan, K.B.W.P. Balasooriya</i>	478
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 07 (MA 47)

Theme 7: Science, Technology and Industry

Parallel Session: 7 - D			Chair: Mr. Ashvin Wickramasooriya		
Time: 08.30 am – 10.00 am			Discussant: Dr. R.M.K. Kumarihamy		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.D.1	08.30 - 08.40	iPURSE 2021 – 406	iPURSE21ABS00005	ICT Usage and Impact on Undergraduates' Psychological Well-Being <i>D.M.J. Wickramasinghe</i>	423
7.D.2	08.40 - 08.50	iPURSE 2021 – 407	iPURSE21ABS00108	Identifying Adoption Level of Blended and E-Learning Approaches in Sri Lankan Higher Education Sector: A Case Study Based on Science Stream Students during Covid 19 Pandemic <i>W.M.C.J.T. Kithulwatta, W.A.W.U. Wickramaarachchi</i>	424
7.D.3	08.50 - 09.00	iPURSE 2021 – 413	iPURSE21ABS00622	Status of Computer Literacy in Sri Lanka <i>S. Sirikanth</i>	430
7.D.4	09.00 - 09.10	iPURSE 2021 – 409	iPURSE21ABS00820	GIS Technology for Vehicle Routing and Scheduling in Solid Waste Collection System- Case Study Galle Municipal Council Area <i>H.K.N.A. De Silva, K.U.J. Sandamali</i>	426
	09.10 - 09.30	Q & A			
7.D.5	09.30 - 09.40	iPURSE 2021 – 416	iPURSE21ABS00751	Role of Smart Classroom System in Reducing Digital Divide among Schools in Jaffna District, Sri Lanka <i>R. Kalachelvan</i>	433

ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.D.6	09.40 - 09.50	iPURSE 2021 – 415	iPURSE21ABS00187	Google Earth Engine (GEE) to Monitor Historical and Near-Real-Time Agricultural Droughts in Sri Lanka <i>N. Alahacoon, C. M. Edirisinghe</i>	432
	09.50 - 10.00	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 07 (MA 47)

Theme 7: Science, Technology and Industry

Parallel Session: 7 - E		Chairs: Prof. S. Vijesandiran, Prof. H.M.S.P. Madawala			
Time: 10.45 am – 12.45 pm		Discussants: Dr. A.D.H.K. Kankanamge, Dr. Chandima Dhanapala			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.E.1	10.45 - 10.55	iPURSE 2021 – 411	iPURSE21ABS00465	Stock-Price Prediction Using Regression Analysis – Colombo Stock Exchange, Sri Lanka <i>A.W.V.M. Amunugama, U.N.B. Dissanayaka</i>	428
7.E.2	10.55 - 11.05	iPURSE 2021 – 410	iPURSE21ABS00827	Consumer Perceptions and Preference for Traditional Rice Varieties in Sri Lanka: A Case Study Based in Colombo District <i>J.K.W.N. Subashini, M.A.D. Danushika, I.V. Kuruppu, N.W.B.A.L. Udayanga, H.M.L.K. Herath</i>	427
7.E.3	11.05 - 11.15	iPURSE 2021 – 412	iPURSE21ABS00553	Factors Affecting Labor Turnover Intentions in Sri Lankan Apparel Industry: A Case Study <i>K.A.N. Rasanjana, M.G.S. Dilanthi</i>	429
7.E.4	11.15 - 11.25	iPURSE 2021 – 408	iPURSE21ABS00116	Heavy Mineral Industry of Sri Lanka and Its Impact on Global Market <i>H.C.S. Subasinghe, A.S. Ratnayake</i>	425
	11.25 - 11.45	Q & A			
7.E.5	11.45 - 11.55	iPURSE 2021 – 492	iPURSE21ABS00302	Performance of SPI and PCI Indices for Drought Monitoring in Sri Lanka at Different Time Scales: A Comparative Analysis <i>N. Alahacoorn, C.M. Edirisinghe</i>	509

ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.E.6	11.55 - 12.05	iPURSE 2021 – 514	iPURSE21ABS00498	Significance of Chundikkulam National Park, Sri Lanka, for Bird Conservation <i>W.M.C.S. Wijesundara, P. Rajkumar</i>	531
7.E.7	12.05 - 12.15	iPURSE 2021 – 507	iPURSE21ABS00451	Detecting Possible Mosquito Breeding Sites Using Aerial Imaging and Deep Learning <i>M. Pravina, A.M. Gnanaruby, K. Southran, M.B. Dissanayake, M. Niranjan</i>	524
7.E.8	12.15 - 12.25	iPURSE 2021 – 484	iPURSE21ABS00241	Analysing Leptospirosis Incidence and Its Association with Climatic Factors in Sri Lanka <i>P. Priyadarshana, P. Wijekoon</i>	501
	12.25 - 12.45	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 07 (MA 47)

Theme 7: Science, Technology and Industry

Parallel Session: 7 - F		Chair: Dr. Prasanna Illankoon			
Time: 13.30 pm – 15.40 pm		Discussants: Dr. Panduka Neluwala, Dr. Amirthasingam Manoraj, Prof. S.M.P.W.K. Sethunga			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.F.1	13.30 - 13.35	iPURSE 2021 – 439	iPURSE21ABS00697	Usability of Waste Glass Wool in Concrete to Improve Compressive Capacity: An Analysis <i>K.M.J.R. Gajadheera</i>	456
7.F.2	13.35 - 13.40	iPURSE 2021 – 422	iPURSE21ABS00192	A Study on the Impact of Tsunami Bore Driven Objects on Coastal Structures Using Computational Fluid Dynamics <i>H.D.A. Thilina, K.A.D.Y. Panduka, D.D. Dias, H.A.D.S. Buddhika</i>	439
7.F.3	13.40 - 13.45	iPURSE 2021 – 443	iPURSE21ABS00762	Bearing Enhancement of Pad Foundation on Geomat Reinforced Soft Soil: A Numerical Study <i>M. Nithurshan, E.G.T.D. Edirisinghe, H.M.P. Sandaruwan</i>	460
7.F.4	13.45 - 13.50	iPURSE 2021 – 032	iPURSE21ABS00386	Major Factors Causing Delay of Construction Projects during COVID-19 in Sri Lanka <i>S. Thusyanthan</i>	034
	13.50 - 14.10	Q & A			
7.F.5	14.10 - 14.15	iPURSE 2021 – 418	iPURSE21ABS00040	Characterization of Effluent Water from Small Scale Vehicle Service Stations for Implementing a Cost-Effective Filtration System to Improve Effluent Water Quality <i>K.H.I. Gamage, S.R. Wickramasinghe</i>	435

ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.F.6	14.15 - 14.20	iPURSE 2021 – 427	iPURSE21ABS00362	Impact of Ergonomics on Employee Performance of Sri Lankan Apparel Industry: A Case Study <i>R.V.M. Maduwanthi, M.G.S. Dilanthi</i>	444
7.F.7	14.20 - 14.25	iPURSE 2021 – 440	iPURSE21ABS00707	Sustainable Solutions for the Manufacturing of Automotive Panels <i>M.L.R. Meragalge, P. Gamage</i>	457
7.F.8	14.25 - 14.30	iPURSE 2021 – 426	iPURSE21ABS00307	A Predictive Virtual Keyboard for Brain-Computer Interfacing <i>K.P.P.S. Pathirana</i>	443
	14.30 - 14.50	Q & A			
7.F.9	14.50 - 14.55	iPURSE 2021 – 433	iPURSE21ABS00514	Solving Capacitated Vehicle Routing Problem with Ant Colony Optimization-Based Clustering <i>R.C. Nissanka, C.K. Walgampaya</i>	450
7.F.10	14.55 - 15.00	iPURSE 2021 – 424	iPURSE21ABS00268	A Simulation on Service Performance Improvement: A Case Study from Fast Food Industry <i>H.A.S. Fernando, Y.B. Herath, E.T. Dhananjana, K.L.T. Perera, I.D.W. Samarawickrama</i>	441
7.F.11	15.00 - 15.05	iPURSE 2021 – 421	iPURSE21ABS00142	Application of Multiple Correspondence Analysis on Road Traffic Accidents in Jaffna Division <i>M.A. Akbar, N. Satkunanathan</i>	438
7.F.12	15.05 - 15.10	iPURSE 2021 – 414	iPURSE21ABS00136	Recent Advances in Augmented reality technology in Education <i>T.A. Pindeniya, H.N. Amaratunge</i>	431

ID	Time	Index	Reference No.	Title and Author/s	Page No.
7.F.13	15.10 - 15.15	iPURSE 2021 – 417	iPURSE21ABS00018	In-Vitro Antimicrobial Activity of Selected Commercially Available Herbal Toothpastes <i>A.D.H. Sudesh, D.N. Wanigasekara, E.D.C. Karunaratne, D.M.S.K. Dissanayake, P.D.U. Pavithra</i>	434
	15.15 - 15.40	Q & A			

Programme of the Venue 08

- MA 48 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 08 (MA 48)

Theme 7: Science, Technology and Industry

Parallel Session: 8 - A			Chair: Prof. R. G. S. C. Rajapakse		
Time: 11.00 am - 12.45 pm			Discussant: Dr. H.A.C.K. Ariyaratne		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.A.1	11.00 - 11.10	iPURSE 2021 – 503	iPURSE21ABS00400	Association between the Abundance of Dengue Larvae and Water Quality Characteristics of Available Breeding Habitats in Selected Localities in Kurunegala District <i>J.M.M.K. Herath, W.A.P.P. de Silva, T.C. Weeraratne, H.T.K. H.T.K. Abeyasundara, S.H.P.P. Karunaratne</i>	520
8.A.2	11.10 - 11.20	iPURSE 2021 – 485	iPURSE21ABS00251	Investigation of the Impact of HDAC Inhibitors on Human HDAC Enzyme: An In-Silico Approach <i>G. Parthiban, R. Dushanan, M.S.S. Weerasinghe, D.P. Dissanayake, R. Senthilnithy</i>	502
8.A.3	11.20 - 11.30	iPURSE 2021 – 529	iPURSE21ABS00741	Effect of Sesame Seed Meal and Sweet-Potato Leaf Meal as an Alternative Mixed Plant-Protein Source in Diets of Juvenile Guppy (<i>Poecilia reticulata</i>) Fish at Experimental Farming Conditions <i>K.M. Nishshanka, K. Radampola, V.P. Bulugahapitiya</i>	546
	11.30 - 11.45	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.A.4	11.45 - 11.55	iPURSE 2021 – 539	iPURSE21ABS00833	Selection of Best Tissue Type for Population Scale Molecular Detection of Phytoplasma Associated with Weligama Coconut Leaf Wilt Disease <i>P.H.P.R. De Silva, K.P.R.N. Attanayake, S.A.C.N. Perera</i>	556
8.A.5	11.55 - 12.05	iPURSE 2021 – 505	iPURSE21ABS00442	Evaluation of Sugarcane Smut Resistance in <i>Saccharum officinarum</i> L. and Wild Sugarcane Accessions Available in Sri Lanka <i>A.N.W.S. Thushari, A. Wijesuriya, B.W. Wijesuriya, D.M. De Costa</i>	522
8.A.6	12.05 - 12.15	iPURSE 2021 – 496	iPURSE21ABS00330	Effect of Ceylon Cinnamon Leaf and Bark Extracts (In-Vitro) against Selected Fungal Pathogens <i>K.T.S. Madhushika, W.M.D.G.B. Wijayarame, V.P. Bulugahapitiya</i>	513
8.A.7	12.15 - 12.25	iPURSE 2021 – 495	iPURSE21ABS00324	In-Vitro Anti-Bacterial Potential of Leaf and Bark Extracts of <i>Cinnamomum zeylanicum</i> Blume in Sri Lanka <i>K.T.S. Madhushika, W.M.D.G.B. Wijayarame, V.P. Bulugahapitiya</i>	512
	12.25 - 12.45	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 08 (MA 48)

Theme 7: Science, Technology and Industry

Parallel Session: 8 – B		Chair: Prof. Namal Priyantha Heenkenda			
Time: 14.00 pm - 16.00 pm		Discussant: Prof. Rohana Chandrajith			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.B.1	14.00 - 14.10	iPURSE 2021 – 480	iPURSE21ABS00230	Algal Treatment for Wastewater Reclamation: Evaluation of Disinfection Byproducts Formation by Chlorination <i>S.P. Munasinghe-Arachchige, K.M. Sparks, A. Ahmed, T. Schaub, P.J. Trainor, N. Nirmalakhandan</i>	497
8.B.2	14.10 - 14.20	iPURSE 2021 – 521	iPURSE21ABS00588	Identifying Correlations between Groundwater Quality Parameters in High CKDu Prevalence Region in North Central Province, Sri Lanka, and Their Impact on Membrane Fouling <i>J Ketharani, M.A.C.K Hansima, D.R Samarajeewa, M Makehelwala, K.B.S.N Jinadasa, S.K Weragoda, R.L.M.D Rathnayake, R Weerasooriya</i>	538
8.B.3	14.20 - 14.30	iPURSE 2021 – 498	iPURSE21ABS00367	Groundwater with High Hardness: Potent Foulants in Membrane-Based Water Treatment Systems <i>M.A.C.K. Hansima, J. Ketharani, D.R. Samarajeewa, M. Makehelwala, K.B.S.N. Jinadasa, K.G.N. Nanayakkara, Ajith C. Herath, R. Weerasooriya</i>	515
8.B.4	14.30 - 14.40	iPURSE 2021 – 516	iPURSE21ABS00522	Sorptive Removal of Methylene Blue from Aqueous Solutions by Carbonized Batik Textile Waste Material <i>A.G.J. Chathurika, P.L.A.T. Cooray, A.U. Rajapaksha</i>	533

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	14.40 - 15.00	Q & A			
8.B.5	15.00 - 15.10	iPURSE 2021 – 525	iPURSE21ABS00688	Colloidal Mobilization and Colloidal Transport in Saturated Porous Media: A Geo-Environmental Insight into Chronic Kidney Disease of Unknown Etiology (CKDu) Problem in Sri Lanka <i>B. Banithy, T.K.K.C. Deepagoda, K.G.I.D. Kumari</i>	542
8.B.6	15.10 - 15.20	iPURSE 2021 – 537	iPURSE21ABS00822	Radiological Risk Assessment of Naturally Occurring and Anthropogenic Radionuclides in Marine Sediments of Sri Lanka <i>R.K.D. Madhusha, W.A.T.L. Weerakkody, W.P.P.C. Weerasinghe, T.N Attanayake, H.M.N.L Hadagiripathira, W.M.I. Dissanayake, V.A. Waduge</i>	554
8.B.7	15.20 - 15.30	iPURSE 2021 – 509	iPURSE21ABS00478	Electrodialysis Reversal Plant Performance on Groundwater Treatment in Dry Zone of Sri Lanka: A Pilot Study <i>H.M.D.C. Herath, A.A.G.D. Amarasooriya, W.B.M.L.I. Weerasekara, S.K. Weragoda</i>	526
8.B.8	15.30 - 15.40	iPURSE 2021 – 522	iPURSE21ABS00609	Nano Filtration for Groundwater Treatment in Dry Zone of Sri Lanka: A Pilot Study <i>A.A.G.D. Amarasooriya, H.M.D.C. Herath, S.K. Weragoda</i>	539
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 08 (MA 48)

Theme 7: Science, Technology and Industry

Parallel Session: 8 – C			Chair: Prof. L.R.A.K. Bandara		
Time: 16.15 pm - 18.15 pm			Discussant: Dr. Wijendra Bandara		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.C.1	16.15 - 16.25	iPURSE 2021 – 487	iPURSE21ABS00258	Development of Non Polymer Gel Electrolyte and Their Applications on Electrochromic Devices <i>H.M.B.I. Gunathilaka, V.A. Seneviratne, H.N.M. Sarangika</i>	504
8.C.2	16.25 - 16.35	iPURSE 2021 – 491	iPURSE21ABS00286	Investigation of Light Trapping Techniques That Can Enhance Optical Performance of Solar Cells <i>L. Samaranyake, W.L. Abeygunasekara, S.J.N.P. Marthinu, M.A.R.P. Mataraarachchi, H.J. Munasinghe</i>	508
8.C.3	16.35 - 16.45	iPURSE 2021 – 477	iPURSE21ABS00205	Optimization of Sb ₂ S ₃ Sensitized Solar Cells by Varying Spinning Cycles of Light Harvesting Material <i>M.A. Farhana, J. Bandara</i>	494
8.C.4	16.45 - 16.55	iPURSE 2021 – 486	iPURSE21ABS00254	A Novel CTAB (Cetyl Trimethyl Ammonium Bromide) Assisted Zinc Oxide Nanostructures as a Photodetector for UV Sensors <i>H.M.D. Nisansala, N.M.S. Sirimuthu, D.P. Pitigala, C.N.K. Patabendige</i>	503
	16.55 - 17.15	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.C.5	17.15 - 17.25	iPURSE 2021 – 465	iPURSE21ABS00123	Designing and Improving Performance of Cobalt Titanate/Lithium Polysulfide/Graphite Li-ion Cell <i>S.T.N. Yasaswin, L. Palliyaguru, P.M. Jayaweera, P.V.V. Jayaweera</i>	482
8.C.6	17.25 - 17.35	iPURSE 2021 – 493	iPURSE21ABS00305	A Case Study of Recognizing Causes for Abnormal Lots in a Capacitor Manufacturing Process <i>H.A.N. Thilakarathna, N.A.D.N. Napagoda</i>	510
8.C.7	17.35 - 17.45	iPURSE 2021 – 512	iPURSE21ABS00485	Solid and Hollow SiO ₂ -TiO ₂ Core-Shell Nanostructures and Their Photocatalytic Activities <i>P.S. Thilakarathne, H.C.S. Perera, B.S. Dassanayake</i>	529
8.C.8	17.45 - 17.55	iPURSE 2021 – 472	iPURSE21ABS00171	Investigation of Materials Suitable for Supercapacitor Applications <i>P.W.S.K. Bandaranayake, M. Rabindran</i>	489
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 08 (MA 48)

Theme 7: Science, Technology and Industry

Parallel Session: 8 - D			Chair: Prof. E.P.M. Rajaratne		
Time: 08.30 am – 10.15 am			Discussant: Prof. R. H. Kuruppuge		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.D.1	08.30 - 08.40	iPURSE 2021 – 445	iPURSE21ABS00730	Estimating the Degree of Market Power of Rice Milling Industry in Sri Lanka <i>M.M. Mufeeth, S.A. Weerasooriya, J. Weerahewa</i>	462
8.D.2	08.40 - 08.50	iPURSE 2021 – 444	iPURSE21ABS00411	Sentiment Analysis in User Reviews: A Study of Incompatibility in Hotel Reviews in City of Anuradhapura, Sri Lanka <i>H.P.P.M. Abeysinghe, C.K. Walgampaya</i>	461
8.D.3	08.50 - 09.00	iPURSE 2021 – 446	iPURSE21ABS00388	Significance of Employee Motivation in Insurance Industry in Sri Lankan Context <i>A.H.N. De Zoysa</i>	463
	09.00 - 09.15	Q & A			
8.D.4	09.15 - 09.25	iPURSE 2021 – 451	iPURSE21ABS00749	Development of a Tour Planning Model for Varied Tourist Needs <i>T.P.R.P.K. Dayawansa, S.A.R.K. Samarathunga, S. Dharmapriya, A.K. Kulatunga</i>	468
8.D.5	09.25 - 09.35	iPURSE 2021 – 450	iPURSE21ABS00685	Impact of Team Leader-Group Leader Structure on Manufacturing Flexibility in Apparel Industry <i>M.L.W.T. Karunaratne, M.L.W.O.M. Karunaratne, W.M.M.T. Wijekoon</i>	467

ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.D.6	09.35 - 09.45	iPURSE 2021 – 447	iPURSE21ABS00121	Forecasting Share Price Index of Health Sector in Sri Lanka <i>R.P.S. Lankadari, N. Satkunanathan</i>	464
8.D.7	09.45 - 09.55	iPURSE 2021 – 452	iPURSE21ABS00345	Utilizing Augmented Reality as a B2C Marketing Tool in the E-Commerce Industry in Sri Lanka <i>A.A.L.N. Adikari, P. Neelawala</i>	469
	09.55 - 10.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 08 (MA 48)

Theme 7: Science, Technology and Industry

Parallel Session: 8 - E			Chair: Prof. R. H. Kuruppage		
Time: 10.45 am – 12.00 noon			Discussant: Dr. U.G.I.G.K. Udagedara		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.E.1	10.45 - 10.55	iPURSE 2021 – 449	iPURSE21ABS00405	Strategic Impact of Utilizing YouTube Influencers in Digital Marketing on a Brand: From a Sri Lankan Consumer Perspective <i>R.D. Pathiraja, P.M.P.C. Gunathilake</i>	466
8.E.2	10.55 - 11.05	iPURSE 2021 – 448	iPURSE21ABS00686	Influence of Visual Merchandising on Consumer Purchasing Habits in Bandarawela Area, Sri Lanka <i>F.A. Nisthamin, H.M. Rathnayake</i>	465
8.E.3	11.05 - 11.15	iPURSE 2021 – 466	iPURSE21ABS00127	Forecasting CO2 Emissions in Sri Lanka Using ARIMA Approach <i>N.M.I.M. Rathnayake, A. Laheetharan</i>	483
8.E.4	11.15 - 11.25	iPURSE 2021 – 494	iPURSE21ABS00320	Analysis of Mortality Rates of Plant Species in Sinharaja Forest Dynamics Plot, Sri Lanka <i>D. Dissanayake, P. Wijekoon, E.P.S.K. Ediriweera, I.A.U.N. Gunatilleke</i>	511
8.E.5	11.25 - 11.35	iPURSE 2021 – 482	iPURSE21ABS00238	A Numerical Approach to Explore the Influence of Curb Geometries on Durability of Solid Tires <i>W.A.A.S. Premarathna, J.A.S.C. Jayasinghe, P. Gamage, K.K. Wijesundara</i>	499
	11.35 - 12.00	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 08 (MA 48)

Theme 5: Health and Society

Parallel Session: 8 - F		Chair: Prof. Chandika Gamage			
Time: 13.30 pm – 15.30 pm		Discussant: Dr. Yasitha Illangasekara			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.F.1	13.30 - 13.35	iPURSE 2021 – 281	iPURSE21ABS00155	Effects of Mimosa pudica on Glycation Induced Protein Cross-Linking and Cell Viability <i>J.A.V.R. Jayasinghe, K.J.K. Karunarithilake, R.P.V.J. Rajapakse, H.K.I. Perera</i>	294
8.F.2	13.35 - 13.40	iPURSE 2021 – 273	iPURSE21ABS00128	A Comparative Study on COVID-19 and Dengue: A Sri Lankan Scenario <i>M.J. Mathushika, C.M. Nanayakkara</i>	286
8.F.3	13.40 - 13.45	iPURSE 2021 – 287	iPURSE21ABS00210	Indications for Renal Transplants for Children in Sri Lanka <i>A.K.B.B.T.B. Samarasinghe, R.M.J.S.B. Rathnayake, R.S. Thalgahagoda, D. Keeragala</i>	300
8.F.4	13.45 - 13.50	iPURSE 2021 – 290	iPURSE21ABS00224	Control of Inferior Mesenteric Artery: A Low-Cost Method <i>S. Sancheevan, K.B. Galketiya</i>	303
	13.50 - 14.10	Q & A			
8.F.5	14.10 - 14.15	iPURSE 2021 – 261	iPURSE21ABS00627	Malnutrition, Aging and Quality of Life of Patients with Type 2 Diabetes Mellitus <i>D.K. Gunawardana, B.D. Kariyawasam, S.S. Salgado, I.E. Gunarathna, D.C. Kottahachchi</i>	274

ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.F.6	14.15 - 14.20	iPURSE 2021 – 260	iPURSE21ABS00474	Malnutrition Inflammation Score in Assessing Nutritional Status of Haemodialysis Patients at National Hospital, Kandy, Sri Lanka <i>S.D.B.P.P. Samarasekara, H.M.R.K.G. Nandasena, B.M.D.B. Basnayake, D.R.T.S. Dasanayake, E.G.N. Erangika, M.A.A. Nayanamali, N. Nanayakkara</i>	273
8.F.7	14.20 - 14.25	iPURSE 2021 – 264	iPURSE21ABS00521	Associated Parental Risk Factors among Epileptic Patients Attending Teaching Hospital Anuradhapura, Sri Lanka: A Case Control Study <i>L.N.S. Randika, W.V. Ruwanthi, D.G.H. Ruwanthika, M.S.M. Safnas, A.S.M.U.D.B. Samarakoon, S.M.I.S. Samarakoon, M.V. Kumari</i>	277
8.F.8	14.25 - 14.30	iPURSE 2021 – 282	iPURSE21ABS00473	Current Status of Quality Assurance in Relation to Ionizing Radiation in Diagnostic Imaging Departments in Sri Lankan Hospitals <i>R.D.C.I. Rajamuni, B.S. Weerakoon</i>	295
	14.30 - 14.50	Q & A			
8.F.9	14.50 - 14.55	iPURSE 2021 – 276	iPURSE21ABS00111	Audit on Samples Tested for Pneumocystis jirovecii at Department of Parasitology, Faculty of Medicine, University of Peradeniya <i>T. Balendran, R. Morel, L. Bandara</i>	289

ID	Time	Index	Reference No.	Title and Author/s	Page No.
8.F.10	14.55 - 15.00	iPURSE 2021 – 265	iPURSE21ABS00505	Assessment of Knowledge about and Attitude towards Sexual and Reproductive Health among Advanced Level School Students in Kurunegala Municipal Council Area <i>W.M.A.U.K. Wijesinghe, S. Tennakoon</i>	278
8.F.11	15.00 - 15.05	iPURSE 2021 – 271	iPURSE21ABS00460	Psycho-Social and Health Related Problems Faced by Pre-Clinical Students during Online Learning at Faculty of Medicine, University of Peradeniya <i>N.J. Pahalawattage, A.K. Jayaweera, E.W. Kosogallana, H.M.G.S. Hearath, S.B. Adikari, H.A. Amarathunga</i>	284
8.F.12	15.05 - 15.10	iPURSE 2021 – 275	iPURSE21ABS00237	Increasing Prevalence of Rickettsia conorii Infections in Central Province, Sri Lanka <i>E.G.C.N. Premathilaka, T.A.N. Mahakapuge, S.A.M. Kularatne, K.J.K. Karunathilake, D.M.A.E. Ranaraja, R.P.V.J. Rajapakse</i>	288
	15.10 - 15.30	Q & A			

Programme of the Venue 09

- MA 62 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 09 (MA 62)

Theme 7: Science, Technology, and Industry

Parallel Session: 9 - A		Chair: Prof. Gamini Rajapaksha			
Time: 11.00 am - 13.00 pm		Discussant: Dr. Varuni Senevirathne			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.A.1	11.00 - 11.10	iPURSE 2021 - 458	iPURSE21ABS00059	Nanocomposite Coating Based on Carboxymethyl Cellulose and Nano-TiO ₂ for Shelf-Life Extension of Fresh “Ambul” Banana (<i>Musa acuminata</i>) <i>N.M. Adasooriya, M.S.S. Fernando, W.A.H. Champa</i>	475
9.A.2	11.10 - 11.20	iPURSE 2021 - 456	iPURSE21ABS00055	Halloysite Nanotubes and ZnO Nanoparticles Reinforced Carboxymethyl Cellulose Nanocomposite for Food Packaging Applications <i>N. Adasooriya, S.N. Wijesooriya</i>	473
9.A.3	11.20 - 11.30	iPURSE 2021 - 534	iPURSE21ABS00788	Synthesize of Dry-Spinnable MWCNT Arrays Using Facile Post-Treatment Method <i>C. Sandaruwan, E.V.A. Premalal, G.A.J. Amaratunga</i>	551
9.A.4	11.30 - 11.40	iPURSE 2021 - 531	iPURSE21ABS00772	Utilization of Rice Straw Ash as a Filler Material for Rubber Compounding <i>W.G.A. Pabasara, A.N.A. Fernando, K.Y. Gayashini, D.N. Liyanage</i>	548
	11.40 - 12.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.A.5	12.00 - 11.10	iPURSE 2021 - 470	iPURSE21ABS00165	Comparative Study of MM-PBSA and LIE Binding Free Energy on Selected HDLP-Inhibitor Complexes <i>R. Dushanan, M.S.S. Weerasinghe, D.P. Dissanayake, R. Senthilnithy</i>	487
9.A.6	12.10 - 12.20	iPURSE 2021 - 483	iPURSE21ABS00240	Chemical Dynamics of Calcium Ion Adsorption by Core-Shell Adsorbent Granules Fabricated from Sand/Graphene Oxide Nano-Composite <i>B.G.N.R.M. Premasinghe, A.R. Kumarasinghe, J.A. Liyanage, W.P.R.T. Perera, W.S.K. Fernando, R. Weerasooriya</i>	500
9.A.7	12.20 - 12.30	iPURSE 2021 - 479	iPURSE21ABS00229	Vibrational Studies of Ionic Liquid Incorporated Sodium Ion Conducting Gel Polymer Electrolytes Based on Poly (Vinylidene Fluoride Hexafluoropropylene) <i>M.D.M. Nayanakanthi, H.M.J.C. Pitawala, J.L. Ratnasekera</i>	496
9.A.8	12.30 - 12.40	iPURSE 2021 - 511	iPURSE21ABS00481	Understanding the temperature effect on lithium ion transportation in a electrolyte - A Molecular Dynamics Study <i>Y.M.I.B. Samarakoon, R.J.K.U. Ranatunga, H.W.M.A.C. Wijayasinghe, T.H.N.G. Amaraweera</i>	528
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 09 (MA 62)

Theme 5: Health and Society

Parallel Session: 9 – B		Chair: Prof. C.L. Abayasekera			
Time: 14.00 pm - 16.00 pm		Discussant: Dr. Susanthi Jayasinghe			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.B.1	14.00 - 14.10	iPURSE 2021 - 304	iPURSE21ABS00668	Comparison of Antioxidant Activity of Sri Lankan <i>Annona muricata</i> Fruit Pulp, Fruit Peel and Leaves <i>O.C. Pathirana, M.P. Paranagama, K.K. Wijesundera, R.P.V.J. Rajapakse</i>	317
9.B.2	14.10 - 14.20	iPURSE 2021 - 299	iPURSE21ABS00359	Lipase Inhibitory Potential of Plant Material in Polyherbal Formula “ <i>Lekhaneeya Dashakaya</i> ” <i>W.N.H. Rodrigo, W.I.T. Fernando,</i>	312
9.B.3	14.20 - 14.30	iPURSE 2021 - 292	iPURSE21ABS00196	Study of Analytical Parameters of Different Extracts of <i>Paederiafoetida</i> L. Grown in Sri Lanka <i>S.D. Hapuarachchi, P.D.S.A. Silva, N.D. Kodithuwakku, P.K. Perera</i>	305
9.B.4	14.30 - 14.40	iPURSE 2021 - 291	iPURSE21ABS00088	Antibacterial Activity of Different Compositions of Ethanol and Isopropanol in Hand Sanitizers <i>R.M. Kamal, H. Mudalige, U. Bandaranayake</i>	304
	14.40 - 15.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.B.5	15.00 - 15.10	iPURSE 2021 - 298	iPURSE21ABS00315	Development of Virgin Coconut Oil-Based Topical Sunscreen Formulations Using <i>Leucas zeylanica</i> and <i>Ophiorrhizamungos</i> Leaves <i>F.A.S.S. Pillay, R.A.H.M. Ranasinghe, W.K.S.P Perera, N.A. Sanjeevani, M.A. Siriwardhene</i>	311
9.B.6	15.10 - 15.20	iPURSE 2021 - 297	iPURSE21ABS00311	Determination and Comparison of Phytochemical Composition and Antioxidant Activity of Different Parts of <i>Tylophoria pauciflora</i> Wight & Arn. Ex. Wight (<i>Kiri Anguna</i>) Plant Grown in Sri Lanka <i>W.M.R.R. Wijethunga, S. Dias</i>	310
9.B.7	15.20 - 15.30	iPURSE 2021 - 307	iPURSE21ABS00766	Mathematical Modelling and Simulation of Dengue Transmission in Jaffna Peninsula <i>V. Selvabavitha, M. Sangarthas, S. Nilakshman, P. Kathirgamanathan, S. Surendran</i>	320
9.B.8	15.30 - 15.40	iPURSE 2021 - 294	iPURSE21ABS00231	Low Dose Image Enhancement Using Autoencoders <i>R.M.W.R. Bandara, C. Gunasena, P.M.P.C. Gunathilake, R.D. Jayasinghe</i>	307
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 09 (MA 62)

Theme 5: Health and Society

Parallel Session: 9 - C		Chair: Dr. A.C.M. Fahim			
Time: 16.15 pm - 18.15 pm		Discussant: Dr. M.H.F.Sakeena			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.C.1	16.15 - 16.25	iPURSE 2021 - 225	iPURSE21ABS00618	Knowledge, Practice and Attitudes of Pharmacists towards Dispensing Antibiotics in Sri Lanka <i>C.S.T. Waththuhewa, E. Galpin-Lebreau, R.S. Rajakaruna</i>	238
9.C.2	16.25 - 16.35	iPURSE 2021 - 214	iPURSE21ABS00383	Factors Related to Subjective Health of Older People over Age 75 Who Only Live with Other Older People in Japan <i>R.A.M.S.D.L. Jayathilake, T. Saito, T. Narita</i>	227
9.C.3	16.35 - 16.45	iPURSE 2021 - 220	iPURSE21ABS00515	Health-Related Quality of Life among Individuals Receiving Treatment at a Selected Drug Rehabilitation Center, Sri Lanka; A Preliminary Study <i>H.N.N.D. Dharmarathna, A.R. Jayamaha, N.D.K. Ranadeva, H.N.N.D. Dharmarathna, L.C. Nawarathne, H.M.N.D.M. Herath, D.G.H. Buddhini, D.N.A.W. Samarakoon, A.M.P.S. Arachchi, S.N. Senerath, K.L. Samarasinghe, S.S.N. Fernando, S.S.S. Perera, U.G.N. Priyadarshani</i>	233

ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.C.4	16.45 - 16.55	iPURSE 2021 - 227	iPURSE21ABS00665	Camp Test Versus Dc-PCR in Diagnosis of Group B Streptococcus Infection in Pregnant Women <i>W.M.D.H. Suranimala, H.M.T.K. Karunarathna, K.S.A. Kottawatta, S.P. Kodithuwakku, W.G.N.D. Weerasekara, S. Premaratne, R.M.C.J. Ratnayake</i>	240
	16.55 - 17.15	Q & A			
9.C.5	17.15 - 17.25	iPURSE 2021 - 223	iPURSE21ABS00598	Effects of Risk Factors on Prognostic Determinants of Female Breast Cancer Patients at National Cancer Institute, Maharagama: A Retrospective Study <i>T.W. Uyanahewa, D.D.D. Chathuranga, R.D.D.S. Ranaweera, S.R. Kamburapolage, J. K.M.B. Jayasekara</i>	236
9.C.6	17.25 - 17.35	iPURSE 2021 - 203	iPURSE21ABS00200	Effectiveness of Low-Level Laser Therapy for Nonspecific Chronic Low Back Pain <i>M.K.I.D. Senarath, D.A.R.K. Dasanayaka, S. Mayooran, V.V. Senadheera, V.M.B.K.T. Malwanage, A.L.I. Prasanna</i>	216
9.C.7	17.35 - 17.45	iPURSE 2021 - 226	iPURSE21ABS00636	Measuring the Diameter of Abdominal Aorta Using Contrast Enhanced Computed Tomography in Relation to Age and Sex <i>J.J.K.H. Udupihille, M.M. Amarathunga, L.K.S. Arumodi, A.E.S. Athukorala, B.A.R.A.A. Bamunuarachchi, H.M.K.V.P. Bandara, H.M.T.N. Bandaranayaka, N.M.T. Buddhika, G.K.D. Chalangana, K.K.G.K. Chandika, N.L.N.P. Charukeshi</i>	239

ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.C.8	17.45 - 17.55	iPURSE 2021 - 209	iPURSE21ABS00288	Relationship between Quadriceps Muscle Strength and Postural Balance in Institutionalized Elderly People in Two Selected Elders' Homes in Colombo District <i>G.A.D. Perera, I.M. Kandege, L.G.O. Pramodhya</i>	222
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 09 (MA 62)

Theme 5: Health and Society

Parallel Session: 9 - D		Chair: Dr. Gayan Bowatte			
Time: 08.30 am – 10.30 am		Discussants: Dr. Prasadini Perera, Dr. D.R.A. Dissanayake			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.D.1	08.30 - 08.40	iPURSE 2021 - 210	iPURSE21ABS00293	Effect of Prior Participation in an Event on Triathlon Performance of Elite Male Triathletes in Sri Lanka <i>M.K.K. Perera, L.R.N.D. Weerathne</i>	223
9.D.2	08.40 - 08.50	iPURSE 2021 - 208	iPURSE21ABS00276	Effect of Gender and Physical Activity on Flexibility of Trunk and Lower Body among Students of Faculty of Allied Health Sciences, University of Peradeniya <i>A.M.M. Rikas, H. Ajmala, M.H.F. Hana, H.M.G.S. Herath, N.G.Y.W. Karunaratne, M.K.I.D. Senarath, B.M.H.S.K. Banneheka</i>	221
9.D.3	08.50 - 09.00	iPURSE 2021 - 207	iPURSE21ABS00252	Effectiveness of Computed Tomography Scans for Management of Patients with Chronic Headache <i>D.M.J. Nuwan, J.J.K.H. Udupihille, J.C. Marasinghe</i>	220
9.D.4	09.00 - 09.10	iPURSE 2021 - 218	iPURSE21ABS00501	Perceived Sleep Quality and Predictiveness of Sleep Quality among Shift Working Nursing Officers in Two Government Hospitals, Sri Lanka <i>L.C. Nawarathne, A.A.T.D. Amarasekara</i>	231
	09.10 - 09.30	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.D.5	09.30 - 09.40	iPURSE 2021 - 309	iPURSE21ABS00186	Negri Body Test (NBT) Using Seller's Stain as a Specific and Sensitive Test in the Diagnosis of Dog Rabies <i>R.M.T.M. Ramanayake,, W.R. Jayaweera, P.G.A.S. Palkumbura, K.K. Wijesundara, G.S.P. de S. Gunawardena</i>	322
9.D.6	09.40 - 09.50	iPURSE 2021 - 311	iPURSE21ABS00262	First Detection and Molecular Identification of <i>Babesia perroncitoi</i> in Pigs in Sri Lanka <i>R.A.S. Ranatunga, A.P. Bodahewa, K.H.A.T.D. Peiris, R.M.B.K. Rajakaruna, R.M.A.N. Senevirathne, A. Dangolla, R.S. Rajakaruna</i>	324
9.D.7	09.50 - 10.00	iPURSE 2021 - 315	iPURSE21ABS00361	Platelet-Rich Plasma for Treatment of Chronic Wound in a Cat: A Case Report <i>H.D.S. Hewapathirana, S. Kabilan, M.G.T.M. Prasadinie, D.D.N. de Silva, H.M.S. Wijekoon</i>	328
9.D.8	10.00 - 10.10	iPURSE 2021 - 258	iPURSE21ABS00720	Oral-Health-Related Knowledge, Attitudes and Oral-Care Practices of Nursing Undergraduates of Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka <i>D. Leuke Bandara, G.K. Weerasinghe, P.H.G.J. Pushpakumara</i>	
	10.10 - 10.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 09 (MA 62)

Theme 5: Health and Society

Parallel Session: 9 - E		Chair: Prof. N.A. de S. Amaratunga			
Time: 10.45 am – 12.45 pm		Discussant: Prof. Sumedha Jayatilake			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.E.1	10.45 - 10.55	iPURSE 2021 - 248	iPURSE21ABS00207	Validation and Cross Cultural Adaptation of Sinhala Version of Psychosocial Impact of Dental Aesthetic Questionnaire (PIDAQ) among Adolescents Seeking Orthodontic Treatment <i>W.B.M.C.R.D. Weerasekera, S.L. Pathirage M.M.S.L.Mellawa</i>	261
9.E.2	10.55 - 11.05	iPURSE 2021 - 250	iPURSE21ABS00239	Inhibitory Effects of Three Sri Lankan Herbal Formulas on Acid Production and Biofilm Formation by Major Cariogenic Bacterium – <i>Streptococcus mutans</i> <i>K.S.N.D. Gunawardhana, B.G.T.L. Nandasena, B.M.H.S.K. Banneheka, N. Ranasinghe, M.P. Paranagama</i>	263
9.E.3	11.05 - 11.15	iPURSE 2021 - 251	iPURSE21ABS00300	Socio-Demographic Factors Associated with Postgraduate Training in the Specialty of Community Dentistry <i>B.K.G. Thilakarathne, D. de Silva, L. Ekanayake</i>	264
9.E.4	11.15 - 11.25	iPURSE 2021 - 252	iPURSE21ABS00314	Essential Oil from Ceylon Cinnamon (<i>Cinnamomum ceylanicum</i> . Blume) Inhibits Oral Bacterial Biofilms <i>W.A.M.U.L. Abeyasinghe, D.J. Epasinghe, J.A.M.S. Jayatilake, S.P. Kodithuwakku</i>	265

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	11.25 - 11.45	Q & A			
9.E.5	11.45 - 11.55	iPURSE 2021 - 253	iPURSE21ABS00396	Evaluation of Epithelial and Fibroblast Senescence in Oral Submucous Fibrosis Using a Novel Senescent Marker DEP-1 <i>W.A.M.U.L. Abeyasinghe, T.M.P.B. Tennakoon, W.M. Tilakaratne, P.R. Jayasooriya</i>	266
9.E.6	11.55 - 12.05	iPURSE 2021 - 255	iPURSE21ABS00493	Evaluation of Interpretational Skills of Dental Panoramic Radiographs among Dental Specialists, Postgraduate Trainees, Undergraduates and General Dental Practitioners in Sri Lanka <i>C. Gunasena, P.V.K.S. Hettiarachchi, R.M.S.H.B. Medawela, R.D. Jayasinghe</i>	268
9.E.7	12.05 - 12.15	iPURSE 2021 - 256	iPURSE21ABS00499	Gender Classification and Prediction Using Eruption Status of Permanent Teeth in Sri Lankan Children <i>B.D.H.H. De Silva, L.S. Nawarathna, V.S.N. Vithanaarachchi</i>	269
9.E.8	12.15 - 12.25	iPURSE 2021 - 257	iPURSE21ABS00651	Evaluation of Demographic and Clinical Characteristics of Oral Submucous Fibrosis in a Group of Sri Lankan Patients – A Retrospective Cohort Study <i>S. Anupama, P.V.K.S. Hettiarachchi, R.D. Jayasinghe</i>	270
	12.25 - 12.45	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 09 (MA 62)

Theme 5: Health and Society

Parallel Session: 9 - F		Chair: Prof. (Em.) N.A. de S. Amaratunga			
Time: 13.30 pm – 15.20 pm		Discussants: Dr. M. Champika Gihan, Prof. Sumedha Jayatilake, Dr. N.K. Jayasekara			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.F.1	13.30 - 13.35	iPURSE 2021 - 285	iPURSE21ABS00583	A Study to Determine Patient Satisfaction and Quality of Services at Outpatient Urology Clinic of a Tertiary Care Hospital in Sri Lanka <i>K.P. Dharmasena, S. Nawaratne, S. Vidanapathirana, A.A.T.D. Amarasekara, U. Wijemanna, A.M. Abeygunasekara</i>	298
9.F.2	13.35 - 13.40	iPURSE 2021 - 267	iPURSE21ABS00543	Analysis of Conversational Features between Individuals with Dementia and Their Communication Partners in Natural Conversation <i>K.T.G. Jinadasa, A.D.S. Atapattu-Bakmeewewa</i>	280
9.F.3	13.40 - 13.45	iPURSE 2021 - 246	iPURSE21ABS00086	A Preliminary Study on Factors Affecting Betel Quid Chewing, Smoking and Alcohol Use, Following Diagnosis of Potentially Malignant Oral Disorders and Oral Cancer <i>S.R. Sumithrarachchi, W.A.U.C. Pemasiri, D. Pathirana, P.R. Jayasooriya</i>	259
9.F.4	13.45 - 13.50	iPURSE 2021 - 247	iPURSE21ABS00140	A Survey on Orthodontic Retention Practices among Consultant Orthodontists in Sri Lanka <i>W.B.M.C.R.D. Weerasekera, A.A.A.K. Wimalarathna, E.M.U.C.K. Herath</i>	260

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	13.50 - 14.10	Q & A			
9.F.5	14.10 - 14.15	iPURSE 2021 - 249	iPURSE21ABS00234	CBCT Aided Pre-Assessment of Mandibular and Maxillary Bone Quality for Dental Implants <i>S.P.C. Wathsala, S. Subaviththiran, H.A. Sudam, P.M.P.C. Gunathilake, P.V.K.S. Hettiarachchi</i>	262
9.F.6	14.15 - 14.20	iPURSE 2021 - 254	iPURSE21ABS00488	Knowledge about First Aid for Dental Avulsion among Nurses <i>S.D. Maithreepala, D.R.T.S. Dassanayake, H.R.B.K. Rahinduwa, N.T. Wijesinghe, H.D.W.T. Damayanti</i>	267
9.F.7	14.20 - 14.25	iPURSE 2021 - 259	iPURSE21ABS00828	A Clinico-Pathological Analysis of Malignant Odontogenic Tumours: A Group of Rare Diagnostically Challenging Entities <i>W.A.M.U.L. Abeyasinghe, I.K. Rambukewela, P.R. Jayasooriya</i>	272
	14.25 - 14.40	Q & A			
9.F.8	14.40 - 14.45	iPURSE 2021 - 319	iPURSE21ABS00517	Prevalence of Larval Trematode Infections in Freshwater Snails in Kandy District and Its Significance on Cercarial Dermatitis <i>H.B.N.A. Mariyam, R.P.V.J. Rajapakse, K.L.T.D. Jayawardene</i>	332
9.F.9	14.45 - 14.50	iPURSE 2021 - 308	iPURSE21ABS00085	Causes of Death in Working Police Dogs during 2009-2019 Period <i>A. Dangolla, A. Dissanayaka, I. Jayathilake</i>	321

ID	Time	Index	Reference No.	Title and Author/s	Page No.
9.F.10	14.50 - 14.55	iPURSE 2021 - 318	iPURSE21ABS00428	Perceptions and Handling Practices of Chicken Meat by Consumers in Gampaha District, Sri Lanka <i>K.W.M.Y.D. Gunasekara, A.M.H. Abeykoon, R.S. Kalupahana</i>	331
9.F.11	14.55 - 15.00	iPURSE 2021 - 320	iPURSE21ABS00528	Owner Misperception of Canine Body Condition Despite Guidance with 5-Point BCS Chart <i>H. Ariyaratna, A.T. Liyanage</i>	333
	15.00 - 15.20	Q & A			

Programme of the Venue 10
- PGIHS 106 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 10 (PGIHS 106)

Theme 5: Health and Society

Parallel Session: 10 - A				Chair: Prof. Sampath Tennakoon	
Time: 11.00 am - 13.00 pm				Discussant: Prof. H.K.I. Perera	
ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.A.1	11.00 - 11.10	iPURSE 2021 - 278	iPURSE21ABS00013	Modified Whitfield Ointment with Oral Griseofulvin as a Treatment for Difficult-to-Treat Dermatophytosis: A Randomized, Double-Blind, Placebo-Controlled Study <i>S. Fonseka, G.D.D.J. Bandara, A.G.C.N. Wijerathne, P.V.R. Kumarasiri</i>	291
10.A.2	11.10 - 11.20	iPURSE 2021 - 289	iPURSE21ABS00673	A Randomized Controlled Trial Comparing Effectiveness in Bowel Preparation between Polyethylene Glycol Alone and with Phosphate Enema in Patients Undergoing Colonoscopy in Teaching Hospital Peradeniya <i>W.A.M.A.S. Athapaththu, E.M.U.J.B Ekanayake</i>	302
10.A.3	11.20 - 11.30	iPURSE 2021 - 283	iPURSE21ABS00020	Therapeutic Outcome of 10 mCi Radioactive Iodine for Graves' Disease: A Prospective Follow-up Study <i>A.R.M. Sanooz, D.K.K. Nanayakkara</i>	296
10.A.4	11.30 - 11.40	iPURSE 2021 - 284	iPURSE21ABS00160	Finding Percentage Reduction Radiation Dose of Eye Lens during Brain Computed Tomography (CT) Scan with Anthropomorphic Phantom Using Gantry Tilt Technique <i>T. Kajenthiny, H.M.L.M. Herath, D.T.D. Jayasinghe</i>	297

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	11.40 - 12.00	Q & A			
10.A.5	12.00 - 11.10	iPURSE 2021 - 270	iPURSE21ABS0060 0	Correlation between Respiratory Function and Functional Exercise Capacity of Patients with COPD Presented to Two Selected Government Hospitals in Colombo District <i>G.A.D. Perera, D.G.S. Malsri, L.A. Gordon, V.R. Wijesiriwardane</i>	283
10.A.6	12.10 - 12.20	iPURSE 2021 - 279	iPURSE21ABS0063 2	Improvement of Glucose Tolerance in Nondiabetic Rats Compared to Diabetes-Induced Rats by Feeding Virgin Coconut Oil or Soya Oil <i>P.H.P. Fernando, M.C.N. Perera, P.H.P. Fernando, C.N.R.A. Alles, C. Yalegama</i>	292
10.A.7	12.20 - 12.30	iPURSE 2021 - 277	iPURSE21ABS0044 9	Detection of Pandemic <i>Escherichia coli</i> O25:H4-ST131 Clone in Humans and Companion Animals in Kandy, Sri Lanka: A Preliminary Study <i>D. R. A. Dissanayake, W.A.P.M. Dewasmika, B.N. Dissanayake, V.R. Francis</i>	290
10.A.8	12.30 - 12.40	iPURSE 2021 - 280	iPURSE21ABS0069 8	Is Aqueous Bark Extract of <i>Cinnamomum zeylanicum</i> Effective in Alleviating Doxorubicin-Induced Inflammation and Apoptosis in Myocardial Tissues? <i>J.A.N. Sandamali, R.P. Hewawasam, K.A.P.W. Jayatilaka, L.K.B. Mudduwa</i>	293
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 10 (PGIHS 106)

Theme 5: Health and Society

Parallel Session: 10 – B		Chair: Prof. Tharaka Dassanayake			
Time: 14.00 pm – 15.45 pm		Discussant: Dr. Veranja Liyanapathirana			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.B.1	14.00 - 14.10	iPURSE 2021 - 269	iPURSE21ABS00021	Comparison of Mean Age of Diagnosing Osteoporosis between Patients on Long-Term Glucocorticoids and Patients Not on Glucocorticoids Treatment <i>D.K.K. Nanayakkara, A.R.M. Sanooz, S.I. Nawaz, H.M.P.N. Herath</i>	282
10.B.2	14.10 - 14.20	iPURSE 2021 - 262	iPURSE21ABS00452	Dietary Knowledge and Practice in Patients Undergoing Continuous Ambulatory Peritoneal Dialysis <i>D.R.T.S. Dasanayake, A.M.S.D. Pathiranage, H.G.N. Erandika, M.A.A. Nayanamali, S.D.B.P.P. Samarasekara, N. Nanayakkara</i>	275
10.B.3	14.20 - 14.30	iPURSE 2021 - 268	iPURSE21ABS00227	Prevalence of Selected Cardiovascular Disease Factors among Adults in Sabaragamuwa Province of Sri Lanka: A Community-Based Study <i>H.M.R.K.G. Nandasena, S.U.B. Tennakoon, D.M.P.U.K. Ralapanawa</i>	281

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	14.30 – 14.45	Q & A			
10.B.4	14.45 – 14.55	iPURSE 2021 - 274	iPURSE21ABS00678	Knowledge regarding COVID-19 among Final Year Medical, Dental and Allied Health Sciences Students of University of Peradeniya <i>N.J. Pahalawattage, A.K. Jayaweera, E.W. Kosgallana, H.M.G.S. Hearath, M.D.W.A. Marapana, L.Y.V. Pathirana, S.B. Adikari, H.A. Amarathunga</i>	287
10.B.5	14.55 – 15.05	iPURSE 2021 - 288	iPURSE21ABS00794	Quality of Life of Patients with Lower Urinary Tract Symptoms with regard to Their Disease Condition <i>A.U.B. Pethiyagoda, W.M.S.N. Warnasooriya, K. Pethiyagoda, N.V.G.H. Erandika, I. Niyas, M.D.L.G. Keeragala</i>	301
10.B.6	15.05 – 15.15	iPURSE 2021 - 286	iPURSE21ABS00643	Epidemiology of Urolithiasis in Central Province of Sri Lanka <i>A.U.B. Pethiyagoda, W.M.S.N. Warnasooriya, K. Pethiyagoda, N.V.G.H. Erandika, I. Niyas, M.D.L.G. Keeragala</i>	299
10.B.7	15.15 – 15.25	iPURSE 2021 - 272	iPURSE21ABS00204	Quantitative Characteristics of Peroneus Tertius and Extensor Digitorum Longus: A Cadaver-Based Study <i>E.W. Kosgallana, J.M. Eshwara, L.S. Nawarathna, J.K. Dissanayake</i>	285
	15.25 – 15.45	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 10 (PGIHS 106)

Theme 5: Health and Society

Parallel Session: C - 10		Chair: Prof. K.A.N. Wijayawardhane			
Time: 16.15 pm - 18.15 pm		Discussants: Dr. Indu Nanayakkara, Dr. H.M.H.S. Ariyaratna			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.C.1	16.15 - 16.25	iPURSE 2021 - 266	iPURSE21ABS00463	Physical Activity Level of Patients with Type 2 Diabetes Mellitus Attending Diabetes Clinic at a General Hospital, Sri Lanka <i>W.E.I. Alwis, A.A.T.D. Amarasekara</i>	279
10.C.2	16.25 - 16.35	iPURSE 2021 - 317	iPURSE21ABS00424	General Public Knowledge and Perception about Antimicrobials and Antimicrobial Resistance in a Selected Area in Gampaha District <i>K.W.M.Y.D. Gunasekara, A. Silva-Fletcher, R.S. Kalupahana, K.S.A. Kottawatta</i>	330
10.C.3	16.35 - 16.45	iPURSE 2021 - 325	iPURSE21ABS00776	Screening of Filarial Parasites among Dog Population in Selected Disease Endemic and Non-Endemic Areas in Sri Lanka Using Microscopical and Molecular Methods <i>S.P. Rathnayake, T.G.A.N. Chandrasena, L.A.P.N.F. De Silva, A.C.T. Wijerathna, P.A.D.H.N. Gunathilaka, C.H. Mallawarachchi</i>	338
10.C.4	16.45 - 16.55	iPURSE 2021 - 314	iPURSE21ABS00329	Antimicrobial Resistance of <i>Aeromonas</i> spp. Isolated from Freshwater Ornamental Fish Farming Environment in Sri Lanka <i>D.M.P.M. Dhanapala, R.S. Kalupahana, A.W. Kalupahana, D.P.H. Wijesekara, K.S.A. Kottawatta, N.K. Jayasekara, A. Silva-Fletcher, S.S.S.de S. Jagoda</i>	327

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	16.55 - 17.15	Q & A			
10.C.5	17.15 - 17.25	iPURSE 2021 - 316	iPURSE21ABS00421	Incidence and Management of Small Animal Fractures: A Retrospective Study of One Year (2018-2019) <i>S. Kabilan, H.M.S. Wijekoon, D.D.N. de Silva</i>	329
10.C.6	17.25 - 17.35	iPURSE 2021 - 313	iPURSE21ABS00297	Profiling of Antimicrobial Resistance in Escherichia coli Isolated from Livestock, Poultry, Wild Animals and an Aquaculture Farm in a Defined Area in Polgahawela, Sri Lanka <i>B.M.Y.I. Basnayake, P.I.J.B. Wijewickrama, G.G.T. Nisansala, D.M.P.M. Dhanapala, D.B.N. Pushpakumara, N.K. Jayasekara, R.S. Kalupahana, A. Silva-Fletcher, K.S.A. Kottawatta</i>	326
10.C.7	17.35 - 17.45	iPURSE 2021 - 322	iPURSE21ABS00646	Controlling Tick Infestations of Household Animals in Local Communities in Sri Lanka: Indigenous Knowledge and Home Remedies <i>S. Ariyaratne, G.C.P. Diyes, R.S. Rajakaruna</i>	335
10.C.8	17.45 - 17.55	iPURSE 2021 - 310	iPURSE21ABS00256	Hepatic, Renal, and Pulmonary Pathologies of Working Dogs in Sri Lanka <i>P.G.A.S. Palkumbura, R.M.T.M. Ramanayake, K.V.P.I. Tharanga, D.M.A.P. Dissanayake, W.R. Jayaweera, G.S.P. de S. Gunawardena, R.R.M.K.K. Wijesundera</i>	323
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 10 (PGIHS 106)

Theme 5: Health and Society

Parallel Session: 10 - D Time: 08.30 am – 10.30 am			Chair: Prof. R.M.D.B.Herath Discussant: Prof. W.A.S.N. Wijesinghe		
ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.D.1	08.30 - 08.40	iPURSE 2021 - 237	iPURSE21ABS00432	Relationship between Childhood Maltreatment and Alcohol Addiction in Middle Adulthood <i>H.C. Abhayarathna, A. Bulathwatta</i>	250
10.D.2	08.40 - 08.50	iPURSE 2021 - 239	iPURSE21ABS00548	Factors Related to Substance Abuse among Students in Rajarata University of Sri Lanka <i>J.A. Milroy</i>	252
10.D.3	08.50 - 09.00	iPURSE 2021 - 242	iPURSE21ABS00782	Factors Affecting Overall Quality of Life of the Elderly Living in Informal Caregiving Settings in Colombo District, Sri Lanka <i>H.S.M.S.K. Wijesiri, S.H. De Silva Welinge, S. Wasalathanthri, C.N. Wijeyaratne</i>	255
10.D.4	09.00 - 09.10	iPURSE 2021 - 245	iPURSE21ABS00275	Social Factors Affecting Health Seeking Behaviour (HSB) of Elders with Physical Disabilities (EWPD) <i>W.A.S. Thilanka, K.A.K.I.C. Gunasena</i>	258
	09.10 - 09.30	Q & A			
10.D.5	09.30 - 09.40	iPURSE 2021 - 241	iPURSE21ABS00130	Developing a Culturally Sensitive Parenting Style Measure <i>E.H.M.R.K. Ekanayake, R.M. Mudiyanse, V.P. Wickramasinghe</i>	254

ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.D.6	09.40 - 09.50	iPURSE 2021 - 235	iPURSE21ABS00063	Impact of Organizational Culture on Employee Motivation: A Study on Managerial Nurses in Children's Hospitals of Sri Lanka <i>S.Y. Bandara, W. Athukorala, A. Gannoruwa, S. Kulathunga, N. Hewageegana</i>	248
10.D.7	09.50 - 10.00	iPURSE 2021 - 236	iPURSE21ABS00824	Who Pays for Healthcare in Sri Lanka? : A Progressivity Analysis in Healthcare Financing <i>A.N. Fernando</i>	249
10.D.8	10.00 - 10.10	iPURSE 2021 - 238	iPURSE21ABS00469	Enduring Death and Bereavement: An Analysis of Sinhala Buddhist Funerary Practices and Worden's 'Four Tasks of Mourning' <i>G.M.V.P.S. Gunawardana</i>	251
	10.10 - 10.30	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 10 (PGIHS 106)

Theme 5: Health and Society

Parallel Session: 10 - E		Chair: Dr. S.S.K.B.M. Dorabawila			
Time: 10.45 am – 11.30 am		Discussants: Dr. N.U.A. Jayasena, Prof. D.D.K.S. Karunanayake			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.E.1	10.45 - 10.55	iPURSE 2021 - 321	iPURSE21ABS00617	Renal Function of Haemoparasite Infected Working Dogs of Sri Lanka Air Force <i>P.S. Jayatilaka, D.T.J. Wickramarathne, K.A.N. Wijayawardhane, M.R.C.K. Mallawa, A. Dangolla, R.S. Rajakaruna</i>	334
10.E.2	10.55 - 11.05	iPURSE 2021 - 243	iPURSE21ABS00793	Impact of Stuttering Related Emotions on Participation in Educational Activities among Adolescents with Stuttering in Western Province <i>K.A.W.M. Kudaarachchi, T. Wijesinghe, B.M.R.K. Perera</i>	256
10.E.3	11.05 - 11.15	iPURSE 2021 - 240	iPURSE21ABS00623	Development of a Screening Tool to Identify Psychological Morbidity of New Entrants of University of Peradeniya <i>H.M.C.L. Herath, T. Rajapakse, D. Edussuriya, D.D.K.S. Karunannayake, W.D. Chandrasena</i>	253
	11.15 - 11.30	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 10 (PGIHS 106)

Theme 5: Health and Society

Parallel Session: 10 - F				Chair: Prof. M.D.M.L.D.K. Yatawara	
Time: 13.30 pm – 15.30 pm				Discussant: Dr. E.Liyanage	
ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.F.1	13.30 - 13.35	iPURSE 2021 - 201	iPURSE21ABS00022	Job Satisfaction among Physiotherapists in Sri Lanka <i>P. Cinthuja</i>	214
10.F.2	13.35 - 13.40	iPURSE 2021 - 202	iPURSE21ABS00134	A Study on Knowledge and Perception about Antimicrobial Stewardship Programmes among Bachelor of Pharmacy Students in Sri Lankan Universities <i>W.G.R. Chathuranga, M.H.F. Sakeena</i>	215
10.F.3	13.40 - 13.45	iPURSE 2021 - 232	iPURSE21ABS00821	Effectiveness of Yoga Exercises to Improve Attention and Concentration of Athletes in Holy Angels Girls College, Kuliyapitiya, Sri Lanka <i>K.C. Gunasekara, S. Weerasinghe, T. Piyumika,</i>	245
10.F.4	13.45 - 13.50	iPURSE 2021 - 230	iPURSE21ABS00814	Effect of Cycling On Albuminuria <i>K.I.U. Kodagoda, W.K.D.S.A. Wickramarachchi, L.R.N.D. Weerathne, U.D. Senarathne</i>	243
	13.50 - 14.10	Q & A			
10.F.5	14.10 - 14.15	iPURSE 2021 - 231	iPURSE21ABS00815	Relationship between Gym Training and Albuminuria among Female Gym Trainees <i>K.I.U. Kodagoda K.I.U. Kodagoda, W.K.D.S.A. Wickramarachchi, L.R.N.D. Weerathne, U.D. Senarathne</i>	244

ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.F.6	14.15 - 14.20	iPURSE 2021 - 206	iPURSE21ABS00232	Impact of Hamstring to Quadriceps Strength Ratio (HQR) on Agility and Sprint Speed of Under-17 Male School Cricket Players in Kandy <i>G.W.W. Malshani, W.N.S.D. Chandradasa, R.M.A. Dilrukshi, D.M.U.I. Dissanayake, J.M. Karandawela, W.K.M. Lakmali, A.S. Ariyasinghe, A.P. Kariyawasam</i>	219
10.F.7	14.20 - 14.25	iPURSE 2021 - 204	iPURSE21ABS00211	Investigating Perceptions Regarding Pharmaceutical Care Services among Registered Pharmacists in Central Province, Sri Lanka <i>W.G.M. Rathmasiri, K. Dilakshana, M.H.F. Sakeena</i>	217
10.F.8	14.25 - 14.30	iPURSE 2021 - 211	iPURSE21ABS00303	A Study of Body Composition and Selected Physical Fitness Components among Female Kabaddi and Kho-Kho Players in Sabaragamuwa University of Sri Lanka <i>K.U.P. Abesinghe, D.S.L. Perera, H.A.C.S. Hapuarachchi</i>	224
	14.30 - 14.50	Q & A			
10.F.9	14.50 - 14.55	iPURSE 2021 - 224	iPURSE21ABS00601	Prevalence and Perceived Factors for Lower Back Pain among Nursing Officers at Colombo South Teaching Hospital, Sri Lanka <i>H.H.N.D. Dharamarathna, A.C.H. Perera, S.H.S. Ranjani, M.D.N. Sanjeevani, V.K.G. Vithana W.S.V.M.C.N.K. Wijerathna M.A.C. Wijesinghe</i>	237

ID	Time	Index	Reference No.	Title and Author/s	Page No.
10.F.10	14.55 - 15.00	iPURSE 2021 - 213	iPURSE21ABS00336	Discrimination of Benign and Malignant Brain Tumors Using Texture Properties of Magnetic Resonance Apparent Diffusion Coefficient <i>M.S. Jayaweera, B.P. Wijemuni, I.P.B.M. Idirisinghe, S. Kulatunga, M.L. Jayatilake</i>	226
10.F.11	15.00 - 15.05	iPURSE 2021 - 233	iPURSE21ABS00831	Knowledge, Attitude, Motivational Factors and Barriers for Donating Blood Voluntarily among People Aged between 18-55 Years Living in Manmunaipattu, Batticaloa <i>K. Kajenthini, L.D.M Madhuwanthi, J.P.M Chandrika, A.P.G.S.M Jayarathna</i>	246
10.F.12	15.05 - 15.10	iPURSE 2021 - 216	iPURSE21ABS00416	Review of <i>Madhuyashtikadi Anjana</i> (Herbal Eye Liner) Used in the Management of <i>Timira</i> (Ametropia) <i>M.A.P.H. Silva, J.N. Dahanayake, L.D.R. De Silva</i>	229
	15.10 - 15.30	Q & A			

Programme of the Venue 11
- PGIHS 207 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 11 (PGIHS 207)

Theme 5: Health and Society

Parallel Session: 11 - A		Chair: Prof. R. S. Rajakaruna			
Time: 11.00 am - 13.00 pm		Discussant: Prof. W.A.P.P. De Silva, Prof. Janak Vidanarachchi			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.A.1	11.00 - 11.10	iPURSE 2021 – 295	iPURSE21ABS00236	Formulation and Validation of a Quantitative Method to Estimate Mammographic Breast Density <i>I.L.U. Chandrasiri, P.B. Hewavithana, A. Jayasinghe, B.S. Weerakoon, P.M.P.C. Gunathilake, S.P. Abeyundara</i>	308
11.A.2	11.10 - 11.20	iPURSE 2021 - 300	iPURSE21ABS00382	Computer-Aided Lung Nodules Detection for Computed Tomography (CT) Images <i>W.K.N.R. Chandrasiri S. Kulatunga, R.D. Nawarathna, U. Usanthan, B. Mithilajanan</i>	313
11.A.3	11.20 - 11.30	iPURSE 2021 - 293	iPURSE21ABS00209	Intra-Specific Diversity of Piper longum L. through Genetic Approach Using Nuclear ITS <i>M. Balatheepan, W.W.P. Rodrigo, B.J.G. Jayawardhana, R.M. Dharmadasa</i>	306
11.A.4	11.30 - 11.40	iPURSE 2021 - 296	iPURSE21ABS00260	Factor and Cluster Analytic Approach in Exploring Parameters of Mental Health: A Follow-up Study in Jaffna Society <i>C. Elankumara</i>	309
	11.40 - 12.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.A.5	12.00 - 11.10	iPURSE 2021 - 302	iPURSE21ABS00427	Methotrexate-Loaded Halloysite Nanotubes as a Controlled Release Drug Delivery Formulation <i>L.R Sendanayake, H.A.D.B Amarasiri, A.C.A Jayasundera, N.M Adassooriya,</i>	315
11.A.6	12.10 - 12.20	iPURSE 2021 - 306	iPURSE21ABS00764	Comparison of Water Quality in a CKDu Hot Spot with a Reference Area Based on Topographic Point of View: A Study Based in Mathale District, Sri Lanka <i>W.P.R.T. Perera, B.T. Perera, S.D.I.A. Chandrasoma, R.M.H. Rajapaksha, J.A. Liyanage</i>	319
11.A.7	12.20 - 12.30	iPURSE 2021 - 198	iPURSE21ABS00299	Incidence of Occupational Pesticide Poisoning Symptoms Among Farmers in Naula Divisional Secretariat Area, Sri Lanka <i>H.S. Fernando, P.V.R. Kumarasiri, S. Dharmarathne, R. Sivakanesan, L. Nugaliyadde, W.M.R.R. Wijethunga</i>	211
11.A.8	12.30 - 12.40	iPURSE 2021 - 200	iPURSE21ABS00338	Evaluation of Food Safety Knowledge and Perceptions of School Children in Colombo, Sri Lanka: Implications for Food Safety Education <i>P.C. Wanniarachchi, P.D.A. Abeyundara, K.G.H.S. Peiris</i>	213
	12.40 - 13.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 11 (PGIHS 207)

Theme 6: Language, Culture and Thought

Parallel Session: 11 – B		Chair: Prof. W.A. Liyanage			
Time: 14.00 pm - 16.00 pm		Discussant: Dr. Sunanda Premasiri			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.B.1	14.00 - 14.10	iPURSE 2021 - 376	iPURSE21ABS00743	Memory and Built Space: Reaction of Contemporary Sri Lankan Visual Artists <i>S. Kirubalini</i>	391
11.B.2	14.10 - 14.20	iPURSE 2021 - 355	iPURSE21ABS00562	Influence of Impressionism in Digital Photography <i>M.M.S.B. Manamperi, D.C.V. Fernando, G.V.H.M. Madhumali, D.S.A. Munasinghe</i>	370
11.B.3	14.20 - 14.30	iPURSE 2021 - 354	iPURSE21ABS00559	Sinhala-English Code-Switching in Text Messaging: A Study Based on Undergraduates of Two State Universities in Sri Lanka <i>S.T.A. Wickramasinghe</i>	369
11.B.4	14.30 - 14.40	iPURSE 2021 - 346	iPURSE21ABS00439	Re-Creation of Human Subject within Televised Reality Programs: A Critical Analysis of The Voice Aired on Sirasa Television <i>M.M.S.L. Yalegama, M.I.L. De Zoysa</i>	361
	14.40 - 15.00	Q & A			
11.B.5	15.00 - 15.10	iPURSE 2021 - 334	iPURSE21ABS00103	A Research Study on the Differences of Chinese Pragmatics and Pragmatic Failures in Intercultural Communication	349

				<i>J.A.A.K.W. Jayasundara</i>	
ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.B.6	15.10 - 15.20	iPURSE 2021 - 344	iPURSE21ABS00426	A Study on the Effectiveness of Terminology Translation through Google Translate <i>A. Nanayakkara</i>	359
11.B.7	15.20 - 15.30	iPURSE 2021 - 379	iPURSE21ABS00791	Role of University Libraries as a Foreign Language Learning Center for Students: With Special Reference to Academic Libraries in Sri Lanka <i>R.A.P.S. Senevirathna, L.H.M.D.S. Lansakara</i>	394
11.B.8	15.30 - 15.40	iPURSE 2021 - 335	iPURSE21ABS00118	A Study on How Non-Native Cultural Information in Reading Paragraphs Diminishes Students' Active Engagement <i>A.J.M.D.N. Penthenigoda</i>	350
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 11 (PGIHS 207)

Theme 6: Language, Culture and Thought

Parallel Session: 11 - C		Chair: Prof. Srivaratharajan Pirashanthan			
Time: 16.15 pm - 18.15 pm		Discussant: Ms. Ruwantha Kulathunga			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.C.1	16.15 - 16.25	iPURSE 2021 - 377	iPURSE21ABS00746	A Personal Overview of Online Language Teaching: Possible Ways of Minimizing Challenges When Teaching an Online ESL Class <i>W.S.A. Wanniarachchi, J.A.K.M. Jayasinghe, R.I. Vithanage</i>	392
11.C.2	16.25 - 16.35	iPURSE 2021 - 358	iPURSE21ABS00597	Learner Invisibility as Success Factor in Online ESL/ESP Learning <i>R.I. Vithanage, N.M. Kalugampitiya</i>	373
11.C.3	16.35 - 16.45	iPURSE 2021 - 389	iPURSE21ABS00703	Implications of Multimodal Tasks in Teaching Critical Reading <i>M. Arivarasy</i>	404
11.C.4	16.45 - 16.55	iPURSE 2021 - 383	iPURSE21ABS00295	Effectiveness of Using Animations versus Language Games for Teaching Verbs to ESL Learners <i>G.A.G.H. Ganepola</i>	398
	16.55 - 17.15	Q & A			
11.C.5	17.15 - 17.25	iPURSE 2021 - 367	iPURSE21ABS00151	Grief as an Emotional Consequence of Civil Wars: A Comparative Study of Latin and Sri Lankan Poetry <i>P.G.D.A.I. Dhanapala</i>	382

ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.C.6	17.25 - 17.35	iPURSE 2021 - 381	iPURSE21ABS00283	A Stress-Free War: Under-Representation of Post-Traumatic Stress in Sri Lankan Fiction on Armed Conflict <i>E.D.K. Seneviratne, V.K. Perera</i>	396
11.C.7	17.35 - 17.45	iPURSE 2021 - 378	iPURSE21ABS00750	Possibilities and Limitations of Sri Lankan Ritual Theatre for Conveying Alcohol-Related Health and Social Messages in a Community Intervention <i>N. Galkandaarachchi, S. Mantillake, L. Senarathna</i>	393
11.C.8	17.45 - 17.55	iPURSE 2021 - 380	iPURSE21ABS00267	Improvisation: A Tool to Increase Confidence Level in Speaking among Young English as Second Language (ESL) Learners <i>H.A.R. Aloka</i>	395
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 11 (PGIHS 207)

Theme 6: Language, Culture and Thought

Parallel Session: 11 - D		Chair: Senior Prof. Carmen S. Wickramagama			
Time: 08.30 am – 10.15 am		Discussant: Dr. K.N. Dharmasiri			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.D.1	08.30 - 08.40	iPURSE 2021 - 364	iPURSE21ABS00802	Reconstructing Situated Learning Theory in an ESL Classroom <i>R. Alfred</i>	379
11.D.2	08.40 - 08.50	iPURSE 2021 - 360	iPURSE21ABS00633	A Meaning-Based Approach to Study of New Varieties of English <i>N.M. Kalugampitiya</i>	375
11.D.3	08.50 - 09.00	iPURSE 2021 - 387	iPURSE21ABS00684	A Critical Evaluation of Techniques Used in Teaching English Grammar in ESL Classrooms in Sri Lankan Universities against Theoretical Perspectives in Focus on Form Approach <i>C. Arsakulasuriya, H. Alahakoon</i>	402
11.D.4	09.00 - 09.10	iPURSE 2021 - 363	iPURSE21ABS00795	Language Power Game: Towards a More Inclusive Approach in English Language Testing <i>S. Marasinghe</i>	378
	09.10 - 09.30	Q & A			
11.D.5	09.30 - 09.40	iPURSE 2021 - 327	iPURSE21ABS00004	Translation of Tamil Dialects in Sri Lankan Context <i>P. Ramanadhan</i>	342

ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.D.6	09.40 - 09.50	iPURSE 2021 - 340	iPURSE21ABS00368	The Syntax of the Vedda Language <i>M.G.L. Ananda</i>	355
11.D.7	09.50 - 10.00	iPURSE 2021 - 385	iPURSE21ABS00326	Students' Perception on the Use of Zoom Technology for French Language Teaching: With Special Reference to Students in French Language Institute of Alliance Française de Kotte <i>R.S. Samarasinghe</i>	400
	10.00 - 10.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 11 (PGIHS 207)

Theme 6: Language, Culture and Thought

Parallel Session: 11 - E		Chair: Senior Prof. Mahinda Somatilake			
Time: 10.45 am – 12.30 pm		Discussant: Prof. K.M.R. Dassanayake, Dr. N.M. Kalugampitiya			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.E.1	10.45 - 10.55	iPURSE 2021 - 369	iPURSE21ABS00119	A Philatelic Study during British Colonial Period in Ceylon (Pre-Independence Period 1857-1948) <i>D.Y. Ellawela</i>	384
11.E.2	10.55 - 11.05	iPURSE 2021 - 374	iPURSE21ABS00189	A Critical Study on the Impact of the Dutch on Traditional Food Culture of Sri Lanka <i>N. Sugatharakkhitha, A. Wimaladhammika</i>	389
11.E.3	11.05 - 11.15	iPURSE 2021 - 388	iPURSE21ABS00691	Portals, Colonnades and Facades as Expressions of Dominant Taste? <i>G.R. Dissanayaka</i>	403
	11.15 - 11.30	Q & A			
11.E.4	11.30 - 11.40	iPURSE 2021 - 361	iPURSE21ABS00638	A Critique on Leonard Woolf's Reinforcement of Orientalist Stereotypes <i>K.G.D.W. Nandasena</i>	376

ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.E.5	11.40 - 11.50	iPURSE 2021 - 351	iPURSE21ABS00489	A Critical Discourse Analysis of Multilingualism in The Ministry of Utmost Happiness by Arundhati Roy <i>S. Sivaji</i>	366
11.E.6	11.50 - 12.00	iPURSE 2021 - 348	iPURSE21ABS00459	Blend of Formal and Informal Language Registers in the Diaries of Administrators: A Comparative Study of the Diaries of Sir John D'Oyly, William Reginald Bibile Ratamahathaya and Leonard Woolf <i>A.J.M.N.M. Jayaweera</i>	363
11.E.7	12.00 - 12.10	iPURSE 2021 - 330	iPURSE21ABS00030	Biene beißen Beine: A Case Study on the Use of Tongue Twisters to Overcome Difficulties in Distinguishing Pronunciation of Orthographic <ei> and <ie> in the German Language <i>L.H.M.D.S. Lansakara</i>	345
	12.10 - 12.30	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 11 (PGIHS 207)

Theme 5: Health and Society

Parallel Session: 11 - F		Chair: Dr. Sarath Rathnayake			
Time: 13.30 pm – 15.20 pm		Discussants: Dr. U.J.M.A.L. Jayasinghe, Dr. Gunendra Dissanayake, Mr. P.C.Arampath			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.F.1	13.30 - 13.35	iPURSE 2021 - 221	iPURSE21ABS00534	Knowledge about and Attitude towards Breast Cancer and Screening Practices among Female School Teachers in Selected Schools in Batticaloa Educational Zone <i>K.G.D. De Silva, S.K. Dahanayake, N. Karshath, M.B. Fayas, J. Joseph, A.M.S.S. Alahakoon</i>	234
11.F.2	13.35 - 13.40	iPURSE 2021 - 205	iPURSE21ABS00215	Effect of Different Types of Commercially Available Dinner Food on Fasting Blood Glucose (FBS) Level and Triacylglycerol (TAG) Level <i>K.M.N.S. Bandara, M.R.P.U. Bandara, P.T.S. Bandara, R.M.M.A. Bandara, S.B.Y.M.C.C.Y. Bandara, W.M.Y.H.K.W. Bandara, S.P.A.S. Senadheera</i>	218
11.F.3	13.40 - 13.45	iPURSE 2021 - 217	iPURSE21ABS00423	A Review of Erandadi Nasa Sheka (Herbal Nasal Spray) in the Management of Nasal Polyps <i>K.A.T.K. Gayashani, J.N. Dahanayake, L.D.R. De Silva</i>	230

ID	Time	Index	Reference No.	Title and Author/s	Page No.
11.F.4	13.45 - 13.50	iPURSE 2021 - 215	iPURSE21ABS00407	Effectiveness of Karanjadi Dhuma Varti (Medicinal Smoking Stick) in the Management of Peenasa (Allergic Rhinitis) – A Review <i>M.D.S.S. Subasinghe, N.D. Kodituwakku, L.D.R. De Silva</i>	228
	13.50 - 14.10	Q & A			
11.F.5	14.10 - 14.15	iPURSE 2021 - 228	iPURSE21ABS00676	Assessment of the Burden of Uncollected Test Reports at the Laboratory of Teaching Hospital Peradeniya, Sri Lanka <i>T.V.I. Nimanthika, S. Wijetunge</i>	241
11.F.6	14.15 - 14.20	iPURSE 2021 - 229	iPURSE21ABS00708	Importance of Radiographic Measurements in Diagnosis of Megaesophagus in Dogs and Their Association with Hypothyroidism <i>G.K. Dharmaratne, G.A.D.K.K. Gunathilaka, R.A.V.S. J. Ranasinghe, C. Abeykoon, D.D.N. de Silva</i>	242
11.F.7	14.20 - 14.25	iPURSE 2021 - 222	iPURSE21ABS00571	Awareness regarding Sports First Aid among Newly Appointed Sports Coaches in Schools in Sabaragamuwa Province in Sri Lanka <i>U.G.L.G. Ranasinghe, D.S.L. Perera, L.R.N.D. Weerathna</i>	235

ID	Time	Index	Reference No.	Title and Author/s	Page No.
	14.25 - 14.40	Q & A			
11.F.8	14.40 - 14.45	iPURSE 2021 - 219	iPURSE21ABS00512	Herbal Products, COVID-19 Pandemic and Consumption Trends in Sri Lanka <i>M.L.D. Nipunika, D.A.M. De Silva</i>	232
11.F.9	14.45 - 14.50	iPURSE 2021 - 234	iPURSE21ABS00133	Patterns and Practices of Food Consumption according to Ayurveda and Sri Lankan Traditional Medicine among School Children <i>N.V.Y. Diloopa, E.R.H.S.S. Ediriweera</i>	247
11.F.10	14.50 - 14.55	iPURSE 2021 - 199	iPURSE21ABS00323	Microbiological Quality of Street Vended Ready-to-Eat Foods in Gangodawila, Nugegoda Area <i>G.G.N.T. Dharmarathne, P.D.A. Abeyundara</i>	212
11.F.11	14.55 - 15.00	iPURSE 2021 - 244	iPURSE21ABS00246	Factors Affecting Perceived Stress: A Study of First-Year Undergraduates of Eastern University, Sri Lanka <i>A.M.S.S. Alahakoon, K. Arulanandem, K.W.N. Savinthani, S.P.E.G. Smarasinghe, A.H.R. Ahamed, R.M.N. Jayaweera</i>	257
	15.00 - 15.20	Q & A			

Programme of the Venue 12
- PGIHS 208 -

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 12 (PGIHS 208)

Theme 6: Language, Culture and Thought

Parallel Session: 12 - A		Chair: Dr. Leena Seneheweera			
Time: 11.00 am – 12.45 pm		Discussant: Mr. Susantha Rasnayake			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.A.1	11.00 - 11.10	iPURSE 2021 - 352	iPURSE21ABS00506	A Study of Salient Features of Pasan Gee in Wahakotte <i>S.M.D.N.K. Senevirathne</i>	367
12.A.2	11.10 - 11.20	iPURSE 2021 - 333	iPURSE21ABS00102	A Tribute to the ‘King’: A Musicological Analysis of Songs Sung to Promote the Image of Former Sri Lankan President Mahinda Rajapaksa <i>U. Herath, M. Alawathukotuwa</i>	348
12.A.3	11.20 - 11.30	iPURSE 2021 - 370	iPURSE21ABS00159	Impact of Digital Sound Recording Techniques on A cappella Music <i>R.M.J.D.K. Rathnayake, M. Alawathukotuwa</i>	385
	11.30 - 11.45	Q & A			
12.A.4	11.45 - 11.55	iPURSE 2021 - 337	iPURSE21ABS00717	Suvisi Vivarana Dance in Sri Lanka: A Buddhist Religiotaainment Performance Where Identities of Performers Became Fluid <i>S. Mantillake, P.K.G.I. Jayasinha</i>	352

ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.A.5	11.55 - 12.05	iPURSE 2021 - 371	iPURSE21ABS00166	Walauwas and Kandyan Dance: Development of Tricks and Tactics in Kandyan Dance between 1900 and 1950s <i>S. Mantillake, A.P. Sirisena</i>	386
12.A.6	12.05 - 12.15	iPURSE 2021 - 343	iPURSE21ABS00412	Thinking through Dancer's Body: A Comparative Study of Kandyan Dance and Bharatanatyam <i>H. Niriella, S. Mantillake</i>	358
12.A.7	12.15 - 12.25	iPURSE 2021 - 349	iPURSE21ABS00471	Rise of Kandyan Dance in 1940s and 1950s: Contribution of Uncommon Patrons <i>R.W.R.G.G.J. Prasantha, S. Mantillake</i>	364
	12.25 - 12.45	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 12 (PGIHS 208)

Theme 6: Language, Culture and Thought

Parallel Session: 12 – B		Chair: Prof. Rohana Seneviratne			
Time: 14.00 pm - 16.00 pm		Discussant: Dr. K.N. Dharmasiri			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.B.1	14.00 - 14.10	iPURSE 2021 - 326	iPURSE21ABS00780	‘The Fox and the Lion’: Sri Lankan Modern Drama and Its Orientation <i>S.L.P. Fonseka</i>	341
12.B.2	14.10 - 14.20	iPURSE 2021 - 357	iPURSE21ABS00593	Aesthetics Emerging from Tension between Existentialism and Marxism as Depicted in Dharmasena Pathiraja’s Cinema <i>E.S.A. Mahagama</i>	372
12.B.3	14.20 - 14.30	iPURSE 2021 - 384	iPURSE21ABS00313	Globalization and Re-Negotiation of Space and Belonging: A Study of Films Parasite by Bong Joon-Ho and The White Tiger by Ramin Bahrani <i>P.L.D. Boteju</i>	399
12.B.4	14.30 - 14.40	iPURSE 2021 - 341	iPURSE21ABS00370	Religious Tension Depicted in Editorial Cartoons of Sri Lanka <i>K. Dambagolla, P.J.A. Karunanayake</i>	356
	14.40 - 15.00	Q & A			
12.B.5	15.00 - 15.10	iPURSE 2021 - 336	iPURSE21ABS00667	A Study on Emergence of Female Filmmakers in Sri Lankan Film Industry <i>N.K. Minuwangoda</i>	351

ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.B.6	15.10 - 15.20	iPURSE 2021 - 365	iPURSE21ABS00809	Understanding the Need to Integrate a Gender/Feminist Perspective as a Key Element in Framing/Shaping English Language Teaching/Learning (ELT/L) Experience, Trajectories, and Outcomes <i>O.P.S. Anuradha, J.A.K.M. Jayasinghe</i>	380
12.B.7	15.20 - 15.30	iPURSE 2021 - 350	iPURSE21ABS00482	“Happily Devoted to the Domestic Sphere”: Exploring Sri Lankan Women’s Groups on Social Media and Their Associations with Discourse of Happiness. <i>R.L.A.N. Ranaweera</i>	365
12.B.8	15.30 - 15.40	iPURSE 2021 - 372	iPURSE21ABS00175	A Feminist Approach to Modern Outcry of Social Activism within Coeval Capitalistic Regime – In Relation to Joker (2019) <i>J.M.A.K. Jayakody</i>	387
	15.40 - 16.00	Q & A			

Technical Sessions (Oral Presentations)

Day 1 – 11th November 2021

Venue: 12 (PGIHS 208)

Theme 6: Language, Culture and Thought

Parallel Session: 12 - C		Chair: Mr. Mangala Dissanayake			
Time: 16.15 pm - 18.15 pm		Discussant: Dr. H.M.M. Herath			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.C.1	16.15 - 16.25	iPURSE 2021 - 328	iPURSE21ABS00015	Buddhist Identity Found in Moggallāyana Grammatical Tradition: A Study Based on Kāladhānamaccantasamyoge <i>K. Muditha</i>	343
12.C.2	16.25 - 16.35	iPURSE 2021 - 362	iPURSE21ABS00645	Guttila Kāvya: Insights to Re- Imagine Modern Sinhala Literary Culture <i>C. Somirathna</i>	377
12.C.3	16.35 - 16.45	iPURSE 2021 - 347	iPURSE21ABS00448	Suddhe Poya or Kiri Poya Belonging to Pasdun Korale <i>L.B.K. Lakshan</i>	362
12.C.4	16.45 - 16.55	iPURSE 2021 - 339	iPURSE21ABS00365	Abhinavagupta vs. Aristotle: A Comparative Study Based on the Concept of Catharsis <i>K. Seelananda</i>	354
	16.55 - 17.15	Q & A			
12.C.5	17.15 - 17.25	iPURSE 2021 - 382	iPURSE21ABS00285	An Alternative Reading of the Figure of Yasodara <i>S.L. Amaranyake</i>	397
12.C.6	17.25 - 17.35	iPURSE 2021 - 329	iPURSE21ABS00019	Sri Lankan Culture Revealed in Mahavamsa <i>I.S. Dissanayake</i>	344

ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.C.7	17.35 - 17.45	iPURSE 2021 - 359	iPURSE21ABS00611	A Comparative Study Based on Two Translations of Lovada Sangarava Translated by Bhikkhu K. Nanananda and Kiri Banda Arawpola <i>S.A.T.A. Senevirathne, I.H. Ihalagama</i>	374
12.C.8	17.45 - 17.55	iPURSE 2021 - 345	iPURSE21ABS00430	Youth Aspirations and White Magic <i>I.M. Dissanayaka, W.S.N. Siriwardhana</i>	360
	17.55 - 18.15	Q & A			

Technical Sessions (Oral Presentations)

Day 2 – 12th November 2021

Venue: 12 (PGIHS 208)

Theme 6: Language, Culture and Thought

Parallel Session: 12 - D		Chair: Prof. M.S.M. Anes			
Time: 08.30 am – 10.15 am		Discussant: Dr. Saman Pushpakumara			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.D.1	08.30 - 08.40	iPURSE 2021 - 338	iPURSE21ABS00842	The Good Governor: Cicero on Provincial Governance <i>S.W. Ekanayake</i>	353
12.D.2	08.40 - 08.50	iPURSE 2021 - 353	iPURSE21ABS00533	Ritual-Based Theatrical Methodology for Enhancing Political Consciousness in Sri Lanka <i>C.P. Gunamunige</i>	368
12.D.3	08.50 - 09.00	iPURSE 2021 - 356	iPURSE21ABS00574	Fundamentals of Sustainable Development: A Philosophical Study with Reference to Taoism and Confucianism <i>N.M.B.P.K. Karunathilaka</i>	371
12.D.4	09.00 - 09.10	iPURSE 2021 - 366	iPURSE21ABS00812	Innocuous Representation of Problematic Art: Evaluating New Guises of Scientific Racism in an Exhibition of an Exhibition <i>L.D. Tennakoon</i>	381
	09.10 - 09.30	Q & A			
12.D.5	09.30 - 09.40	iPURSE 2021 - 375	iPURSE21ABS00727	Effect of Two Different Music Genres on in-vivo Germination of Tomato (<i>Solanum lycopersicum</i> L.) and Mung Bean (<i>Vigna radiata</i> L.) Seeds <i>H.A.T.U. Indrachapa, M. Alawathukotuwa, C.K. Beneragama</i>	390

ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.D.6	09.40 - 09.50	iPURSE 2021 - 331	iPURSE21ABS00047	Implicit and Explicit Knowledge in Second and Third Language Acquisition <i>C. Gunawardena</i>	346
12.D.7	09.50 - 10.00	iPURSE 2021 - 342	iPURSE21ABS00408	From Coconut Oil to Engine Oil: Shifting Aesthetics of Playing Ceremonial Drums (Mangul Bera Vādanaya) in Kandyan Tradition <i>C. Bandara, S. Mantillake</i>	357
	10.00 - 10.15	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 12 (PGIHS 208)

Themes 6(2), 8 (1), 2(4): Language, Culture and Thought, Socioeconomic Progress and Governance, Education for Transformation

Parallel Session: 12 - E		Chair: Prof. T.M.T.W. Bandara			
Time: 10.45 am – 11.55 am		Discussant: Dr. Samidi Navarathne, Ms. A.J.M.N.M. Jayaweera			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.E.1	10.45 - 10.50	iPURSE 2021 - 373	iPURSE21ABS00177	Influence of Parents’ Educational Condition on Students’ English Language Speaking Skills in Higher Educational Institutions: A Case Study Based on Advanced Technological Institutions, Dehiwala, Galle, and Kandy <i>E.P.M.U. Edirisinghe</i>	388
12.E.2	10.50 - 10.55	iPURSE 2021 - 386	iPURSE21ABS00346	Translation Techniques in Humour Translation: With Reference to ‘Pride and Prejudice’ and Its Sinhala Translation Prēmaya Arumaya <i>K.L.S. Sewwandi</i>	401
	10.55 - 11.05	Q & A			
12.E.3	11.05 - 11.10	iPURSE 2021 - 551	iPURSE21ABS00662	Growth of Spice Garden Entrepreneurs with Reference to Matala District, Sri Lanka <i>S.S.W. Jayasooriya</i>	570
	11.10 - 11.15	Q & A			
12.E.4	11.15 - 11.20	iPURSE 2021 - 042	iPURSE21ABS00023	Knowledge about Their Career among Sri Lankan First-Year Physiotherapy Undergraduates <i>P. Cinthuja</i>	047

ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.E.5	11.20 - 11.25	iPURSE 2021 - 065	iPURSE21ABS00191	Effect of Twelve Week Conditioning and Coordination Exercise (CCE) Training Programme on Two-Point Shooting Accuracy among Male Basketball Players in Sabaragamuwa University of Sri Lanka <i>M.K.K. Perera, J.M.D.D.M. Jayamanna</i>	070
12.E.6	11.25 - 11.30	iPURSE 2021 - 070	iPURSE21ABS00402	Inter-Module Relationship of Student Performance: A Case Study of University of Vocational Technology <i>D.D.D. Suraweera, K.G. Alahapperuma</i>	075
12.E.7	11.30 - 11.35	iPURSE 2021 - 073	iPURSE21ABS00472	Promoting Deep Learning among First-Year Undergraduate Medical Students Using Journal Articles <i>K.N. Nilmini, K.J. Wijesinghe</i>	078
	11.35 - 11.55	Q & A			

Technical Sessions (Poster Presentations)

Day 2 – 12th November 2021

Venue: 12 (PGIHS 208)

Theme 5: Health and Society

Parallel Session: 12 - F		Chair: Prof. G.S. Panduka De S. Gunawardena			
Time: 13.30 pm – 14.30 pm		Discussant: Dr. H.N.R. Jinadasa			
ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.F.1	13.30 - 13.35	iPURSE 2021 - 301	iPURSE21ABS00417	Antibacterial Activity of Cuminum cyminum (Cumin), Jasminum auriculatum (Jasmine) and Carica papaya L. (Papaya) against Escherichia coli and Staphylococcus aureus <i>S. Praveen, B. Upeka</i>	314
12.F.2	13.35 - 13.40	iPURSE 2021 - 305	iPURSE21ABS00674	Comparative Study on Antioxidant Potency of Methanolic Leaf Extract of Wal Lunu (<i>Zepharantheus roseus</i> and <i>Pancreatium zeylanicum</i>); An Ayurvedic Remedy for Cancer Used in Sri Lanka <i>D.M.J.D.K. Dunukara, D.N.A.W. Samarakoon, D.I. Uluwaduge</i>	318
12.F.3	13.40 - 13.45	iPURSE 2021 - 303	iPURSE21ABS00585	Evaluation of Antifungal Activity of Aqueous Extract of Punica granatum (L). Leaves against <i>Candida albicans</i> <i>M.M.M.R. Fernando, W.H. Sihara, H.M.D.N. Wickramanayake, M.A. Siriwardhene, D.N.A.W. Samarakoon</i>	316
	13.45 - 14.00	Q & A			

ID	Time	Index	Reference No.	Title and Author/s	Page No.
12.F.4	14.00 - 14.05	iPURSE 2021 - 312	iPURSE21ABS00271	Common Bacterial Pathogens Associated with Different Wound Types from Dogs Presented to a Veterinary Hospital in Kandy <i>R.M.I.M. Rathmayake, D.M.I.S. Dissanayake, D.M.P.M. Dhanapala, R.M. Fuward, H.M.D.D.K. Pilapitiya, S.S.S.de S. Jagoda, D.P.H. Wijesekera</i>	325
12.F.5	14.05 - 14.10	iPURSE 2021 - 323	iPURSE21ABS00696	Application of PCR for Rapid and Confirmatory Detection of Common Food Borne Pathogens: Salmonella, Staphylococcus aureus and Escherichia coli <i>H.C. Gallage, W.M.D.H. Suranimala, W.A.S.M. Premaratne, R.S. Kalupahana, H.M.T.K. Karunaratna, K.S.A. Kottawatta</i>	336
12.F.6	14.10 - 14.15	iPURSE 2021 - 324	iPURSE21ABS00715	Scoring Hip Radiographs of a Group of Imported Police Dogs: A Retrospective Study <i>C. Abeykoon, K.A.R.K. Perera, G.K. Dharmaratne, D.M.A.P. Dissanayake, H.M.S. Wijekoon, D.D.N. de Silva</i>	337
	14.15 - 14.30	Q & A			

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2021



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Printed by: _____

Sanduni Offset Printers (Pvt.) Ltd., Peradeniya. 081-2387777