



INTERNATIONAL CONFERENCE ON APPLIED AND PURE SCIENCES
ICAPS 2023 – Kelaniya
Faculty of Science, University of Kelaniya, Sri Lanka
13th October 2023



Session: P-01 (Poster Presentations)
Track: Biological Sciences / Multidisciplinary Research
Venue: B2 201

Abstract ID	Submission ID	Session ID	Paper Title	Authors	Time
BP-03	61	P-01-01	A pilot study on quality parameters of commercially available black tea in Sri Lanka	<u>N.G.L.H.E. Amamadhu</u> and A.M.T. Amarakoon	11.00 – 11.10
BP-04	69	P-01-02	In silico comparison of hypocholesterolemic effect of orally administered phytochemicals from five different plants on humans	<u>F.B.S. Ameer</u> and W.M.T.D.N. Weerakoon	11.10 – 11.20
BP-06	105	P-01-03	PRELIMINARY STUDY OF ANTIOXIDANT AND ANTI-INFLAMMATORY PROPERTIES OF MISTLETOE (<i>Dendrophthoe falcata</i>) ON MANGO HOST PLANT (<i>Mangifera indica</i>)	<u>M.T.F. Raseena</u> and C.C. Kadigamuwa	11.20 – 11.30
BP-09	125	P-01-04	Analysis of phytochemicals and antioxidant properties of <i>Dendrophthoe falcata</i> and <i>Mangifera indica</i> plant leaf extracts	<u>M.G.T.N. Karunaratna</u> and C.C. Kadigamuwa	11.30 – 11.40
BP-12	44	P-01-05	Impact of threshing, blanching, and drying on piperine content in "black pepper" (<i>Piper nigrum L.</i>)	<u>H.M.R.P. Lakmali</u> , T. Liyanage, H.M.P.A. Subasinghe and J.P. Kirthisinghe	11.40 – 11.50
MP-02	123	P-01-06	Evaluating the nutritional compositions of king coconut husk waste (KCHW) biochar and ash: as feasible soil conditioners for coconut plantations	<u>R. Kowshalya</u> , S.S. Udumann, D.K.R.P.L. Dissanayake, S.K. Shamila and A.J. Atapattu	11.50 – 12.00
MP-03	200	P-01-07	Investigation of antioxidant and antityrosinase activities of <i>Premna serratifolia</i>	<u>G. Katpaharajah</u> and K.C. Weerasiri	12.00 – 12.10





INTERNATIONAL CONFERENCE ON APPLIED AND PURE SCIENCES
ICAPS 2023 – Kelaniya
Faculty of Science, University of Kelaniya, Sri Lanka
13th October 2023



Session: P-02 (Poster Presentations)
Track: Physical Sciences / Multidisciplinary Research
Venue: B2 201

Abstract ID	Submission ID	Session ID	Paper Title	Authors	Time
PP-01	66	P-02-01	Ionic conductivity of novel solid polymer electrolyte based on polyethylene oxide (PEO) and magnesium pyrophosphate ($Mg_2P_2O_7$)	<u>K.L.A.C. Lakshan</u> , H.H. Sumathipala and L.B.D.R.P. Wijesundara	13.00 – 13.10
PP-02	166	P-02-02	Computational investigation of novel Curcumin derivatives as anti -Tuberculosis agents	<u>M.W.K.A Amarasena</u> and J.N. Dahanayake	13.10 – 13.20
PP-03	176	P-02-03	Comparison of different methods for generating SPWM signal for the development of a pure Sine wave inverter	<u>S.B.N.H. Hemal</u> , G.K.D. Dilshan, M.A.D.D.S. Karunaratne, K.N. Morawakaarachchi, S.V. Senanayake, R.H.M.D. Pramasiri, P.L.A.K. Piyumal and A.L.A.K. Ranaweera	13.20 – 13.30
PP-04	10	P-02-04	Spatial and temporal variations in total iron concentration in the Kalatuwawa reservoir: a comparative analysis of different depths	<u>Harshana K.G.E.</u> and Thennakoon T.M.A.L.M	13.30 – 13.40
PP-05	71	P-02-05	Enhancement of physical properties of red clay based superior quality cookware.	<u>M.H.T. Dulaj</u> , H.M.B.I. Gunathilaka, R.C.W. Arachchige, D.R. Pandithavidana and I.R.M. Kottegoda	13.40 – 13.50
MP-01	41	P-02-06	Identification of soil erosion prone areas in Matale district in Sri Lanka using RUSLE model and bare soil index	<u>J.M.P.M. Jayasekara</u> , C.C.D. Mendis, K.V.N.T. De Silva, K.N. Kodikara and V.P.A. Weerasinghe	13.50 – 14.00
MP-04	229	P-02-07	Facebook Network Analysis Based on Graph Theory	<u>H.C. Koralegedara</u> and M.H.L. Weerasinghe	14.00 – 14.10





INTERNATIONAL CONFERENCE ON APPLIED AND PURE SCIENCES
 ICAPS 2023 – Kelaniya
 Faculty of Science, University of Kelaniya, Sri Lanka
 13th October 2023



Session: P-03 (Poster Presentations)
 Track: Biological Sciences
 Venue: B2 201

Abstract ID	Submission ID	Session ID	Paper Title	Authors	Time
BP- 01	9	P-03-01	Determination of <i>Staphylococcus</i> spp. present as contaminants on Public Door Handles of an Institute and analysis of their antibiogram	M.P.P.M. Pathirana W.A.S. Danushka, N.N. Athukorala, D.M.M.P. Niroshan, A. Kaluaddaraarachchi, R.K.A.B. Nayanathara and P.D.V.M. Perera	14.30 – 14.40
BP-02	35	P-03-02	Investigation of a suitable formulation for <i>Trichoderma harzianum</i> in different compositions of solid carrier materials at two temperatures	N. N. Kalpani, B. T. S. D. P. Kannangara and R.M.C.S. Ratnayake	14.40 – 14.50
BP-05	88	P-03-03	Sea moss as an alternative gelling agent to develop a cost-effective <i>in vitro</i> culture medium for the propagation of <i>Phalaenopsis</i> cv. Pink lip	D.T. Wishwakulathilaka, A.I.S. Priyadarshan, S.P. Senanayake and G.B.T. Lakmali	14.50 – 15.00
BP-07	115	P-03-04	Comparison of total chlorophyll, carotene and phenolic contents between species/varieties of Sri Lankan green leafy vegetables <i>Sesbania grandiflora</i> , <i>Centella asiatica</i> and <i>Ipomea aquatica</i>	L.W. Dahanayaka, C.C. Kadigamuwa and S.T. Mapa	15.00 – 15.10
BP-08	119	P-03-05	Sea mosses as an alternative solidifying agent for in vitro micropropagation of <i>Dendrobium</i> cv. "Big Jumbo White"	G.B.T. Lakmali, A.I.S. Priyadarshan, R.A.S.P. Senanayake	15.10 – 15.20
BP-10	148	P-03-06	Assessment of phenolics in selected <i>Phalaenopsis</i> cultivars	J.A.T. Tikirikumari, Y.K.D.D. Thathsarani and R.A.S.P. Senanayake	15.20 – 15.30
BP-11	232	P-03-07	Inhibition of discoloration of fruit and vegetable juices by coconut paring residual extract	M.W.N.H. Mettananda, N. Jayathilaka, N.A.K.P.J. Seneviratne	15.30 – 15.40