

## Technical Program - Symposium on Microplastics (SYMP) 2024

19/09/2024

Session 1 : 11:30 am - 1:00 pm on Thursday 19<sup>th</sup> of September

Venue : C1 Room – Block C

Session Chairs: Prof. Sujeewa De Silva and Dr. Nadeesha H. Koralegedara

Time	ID	Title
11.30 - 11.42	02	EVALUATION OF PLASTIC AND MICROPLASTIC CONTAMINATION IN SELECTED SITES ALONG THE GALLE COAST, SRI LANKA <i>G.W.D.T. De Silva and S. Kumburegama</i>
11.42 - 11.54	06	A COMPARATIVE STUDY OF MICROPLASTIC INGESTION BY <i>Amblygaster sirm</i> (SPOTTED SARDINELLA) AT FISH LANDING SITES IN JAFFNA AND NEGOMBO, SRI LANKA <i>U.P.K. Epa, M. Kajani, M.P.T. Nimaya, H.L.G. Jinadaree, P.D.N. Thathsarani, J.K.H.P. Jayaneththi and S. Wickramarachchi</i>
11.54 - 12.06	07	A SURVEY ON PUBLIC PERCEPTION TOWARDS PLASTIC POLLUTION TWO YEARS AFTER THE X-PRESS PEARL SHIP DISASTER IN NEGOMBO COAST, SRI LANKA <i>U.P.K. Epa, M. Kajani, M.P.T. Nimaya, H.L.G. Jinadaree, P.D.N. Thathsarani, J.K.H.P. Jayaneththi and L.P.N.D. Premarathna</i>
12.06 - 12.18	08	COMPARATIVE ANALYSIS OF PLASTIC ACCUMULATION IN URBAN AND RURAL COASTAL AREAS IN THE NORTHWESTERN COAST OF SRI LANKA <i>H.A.B.P.K. Weerasinghe and C.S. Munasinghe</i>
12.18 - 12.30	15	SPATIAL DISTRIBUTION AND DENSITY OF PLASTIC NURDLES ON DEHIWALA-MOUNT LAVINIA COAST THREE YEARS AFTER X-PRESS PEARL SHIP DISASTER IN NEGOMBO, SRI LANKA <i>N.M.G.R. Hansima, T.T. Mallawarachchi, P.H.G. Nirupama, H.P.S. Jayapala and P.B.T.P. Kumara</i>
12.30 - 12.42	18	MICROPLASTIC CONTAMINATION IN DIFFERENT SOURCES OF WATER FEEDING INTO ACCELERATED THE NATURAL REGENERATION OF MANGROVES SITE IN THE ANAWILUNDWA RAMSAR SANCTUARY, SRI LANKA <i>W.A.J. Sasangi, A.B.S. Gunathilake, H.N.T.M. Kumarasiri, K.G.A.H. Jayathilake, P.M.W.S.R. Tissera, M.G.Y.L. Mahagamage and A. McGoran, S. Jayakody and M.S. Ekanayake</i>
12.42 - 1.00	Panel Discussion	

## Technical Program - Symposium on Microplastics (SYMP) 2024

19/09/2024

Session 2 : 11:30 am - 1:00 pm on Thursday 19<sup>th</sup> of September

Venue : C2 Room – Block C

Session Chairs: Prof. M. P. Deeyamulla and Prof . Rupika S. Rajakaruna

Time	ID	Title
11.30 - 11.42	04	IMPACT OF MICROPLASTICS ON CARBON SEQUESTRATION CAPACITY OF URBAN WETLANDS IN SRI LANKA: A LITERATURE REVIEW <i><u>D.K.P.G.Y.S. Polgolla</u></i>
11.42 - 11.54	05	ASSESSMENT OF MICROPLASTICS IN WATER AND SEDIMENTS IN LOWER WALAWA BASIN IN SRI LANKA <i><u>L.K.P.B. Keshani</u>, J.M.C.K. Jayawardana and S.S.R.M.D.H.R. Wijesekara</i>
11.54 - 12.06	09	MICROPLASTIC ANALYSIS IN SURFACE WATER AND SEDIMENTS OF KELANI RIVER MEANDERING ZONE <i><u>K.I. Perera</u>, M. Sewwandi and M. Vithanage</i>
12.06 - 12.18	12	UNVEILING THE HIDDEN THREAT: MICROPLASTIC OCCURRENCE IN DIKKOWITA FISHERIES HARBOR <i>E.R.G.N. Wijethilaka and <u>D. Wijetunga</u></i>
12.18 - 12.30	17	OCCURRENCE OF MICROPLASTICS IN FISH FROM THE GIN RIVER ESTUARY AND ASSOCIATED WATERS, SRI LANKA <i><u>S.N.U. Arachchi</u>, H.B. Jayasiri and A.A.D. Amarathunga</i>
12.30 - 12.42	23	MICROPLASTICS DISTRIBUTION IN FLOODPLAINS OF THE MAHAWELI RIVER IN SRI LANKA <i><u>I.M. Wijekoon</u> and N.H. Koralegedara</i>
12.42 - 1.00	Panel Discussion	

## Technical Program - Symposium on Microplastics (SYMP) 2024

19/09/2024

Session 3 : 2:00 pm - 3:45 pm on Thursday 19<sup>th</sup> of September

Venue : C1 Room – Block C

Session Chairs: Prof. Champika. V. Hettiarachchi and Dr. Chandima T. K. Gunawardana

Time	ID	Title
2.00 - 2.12	01	DOES THE SALT WASHING PROCESS EFFECT MICROPLASTIC CONCENTRATION? A STUDY ON COMMERCIAL SALTS AVAILABLE IN SRI LANKA <i>O.R.K. Kavindi, P.D. Jayathilaka, R.M.W. Kumara, M. Wijeweera, P.A. Aknes and <u>M.D.M.D.W.M.M.K. Yatawara</u></i>
2.12 - 2.24	16	SUSTAINABLE SYNTHESIS OF RICE STRAW-DERIVED CELLULOSE NANOCRYSTALS FOR BREAKING THE BARRIERS IN BIODEGRADABLE PLASTICS <i>C.P. Chen, T.N. Dharmapriya, Q.T. Huynh and <u>K.L. Chang</u></i>
2.24 - 2.36	19	INTERACTIONS BETWEEN MICROPLASTICS AND DIFFERENT SOIL TYPES <i>T. WathsalaI, <u>N.H. Koralegedara</u> and K. Gamage</i>
2.36 - 2.48	21	DETECTION AND MONITORING OF MICROPLASTICS USING DEEP LEARNING MODELS <i><u>D.M.C.I Dissanayake</u>, B.K.A. Bellanthudawa, K.M.T.S. Bandara and G.Y. Jayasinghe</i>
2.48 - 2.00	24	REMOVAL OF MICROPLASTICS USING ELECTROCOAGULATION METHOD <i>H.M.L.D.K. Ranasinghe, U.A.P.R.H.R. Bandara, I.W.S.S. Dayananda and <u>K.G.N. Nanayakkara</u></i>
3.00 - 3.12	25	REMOVAL METHODS OF MICROPLASTICS FROM WASTEWATER: A REVIEW <i>H.M.L.D.K. Ranasinghe, U.A.P.R.H.R. Bandara, I.W.S.S. Dayananda and <u>K.G.N. Nanayakkara</u></i>
3.12 - 3.24	26	MICROPLASTICS IN FOOD AND WATER: CONSUMER AWARENESS AND HEALTH RISKS AMONG SRI LANKANS <i>D.M.C.A. Dhanasekara, K.G.M.L. Jayasundara, P.M.D.M. Poddeniya and <u>K.G.P.N. Bandara</u></i>
3.24 - 3.45	Panel Discussion	

## Technical Program - Symposium on Microplastics (SYMP) 2024

19/09/2024

Session 4 : 2:00 pm - 3:45 pm on Thursday 19<sup>th</sup> of September

Venue : C2 Room – Block C

Session Chairs: Prof. Sumedha P. Madawala and Dr. Subhashini Gunathilake

Time	ID	Title
2.00 - 2.12	10	MICROPLASTIC DISTRIBUTION IN AGRICULTURAL LANDS: A CASE STUDY FROM SELECTED AGRICULTURAL FIELDS IN THE GAMPAHA DISTRICT OF SRI LANKA <i>A.A.S.V. Athavuda, W.W.M.T.V. Weerasinghe, A.P.K.D. Pathirana, G.P.T. Dabare, R.M.U. Nehara, <u>H.M.T.R. Samarakoon</u> and C.K. Hemachandra</i>
2.12 - 2.24	11	MUNICIPAL SOLID WASTE COMPOST CONTAMINATED WITH PLASTICS AND THEIR TRACE METAL TOXICITY <i>K.S.D. Premarathna, N.G. Degamboda, B.H.R. Fernando, C. Pathirana, L. Jayarathna and <u>M. Vithanage</u></i>
2.24 - 2.36	13	WEATHERING EFFECT AND DIFFERENT ELEMENTAL INTERACTIONS OF MICROPLASTIC NURDLES DISCHARGED FROM X-PRESS PEARL SHIP ACCIDENT <i>M.M. Perera, M. Sewwandi, H. Wijesekara, and <u>M. Vithanage</u></i>
2.36 - 2.48	14	DETECTION AND EFFECTS OF MICRO-PLASTICS IN DRINKING WATER: A REVIEW <i>U. Susmitha, P.R.S Pathberiya, <u>H.P.S. Jayapala</u> and B.K.A. Bellanthuduwa</i>
2.48 - 2.00	20	QUANTIFICATION OF LOW-DENSITY MICROPLASTICS IN FARMLAND SOILS: A CASE STUDY FROM SRI LANKA <i><u>K.R.S.S. Kahandawa</u>, W.L.D.M.P. Jayawardena, C.V. Hettiarachchi and H.M.S.P. Madawala</i>
3.00 - 3.12	22	INVESTIGATION OF MICROPLASTICS IN URBAN PAVED SURFACES <i>K.M. Thalgaswaththa, M.I.A.H. Ahamed and <u>C.T.K. Gunawardana</u></i>
3.12 - 3.24	27	CHARACTERIZATION OF MICROPLASTICS IN INDOOR AND OUTDOOR AMBIENT AIR USING PASSIVE SAMPLING METHODS: A PRELIMINARY STUDY FROM KELANIYA, SRI LANKA <i>R.L.K. Saumya, <u>M.P. Deeyamulla</u>, D.S.M. De Silva and A. Athukorala</i>
3.24 - 3.45	Panel Discussion	