



11.15 – 12.00 Poster Session

Venue: Professor Alawattagoda Pemadasa Auditorium

- Initial study on removal of organic pollutants from contaminated water by using coconut shell based activated carbon
Dananjaya, S.H.S. and Edussuriya, M.
- Development of modified carbohydrate adhesives
Sandamali, H.M.N. and Panamgama, L.A.
- A Study on 1-Nitro-2-Naphthyl Acetate as a Chromogenic substrate for the determination of Fluoride ions in water
Rathnayaka, S.S.K. and Dissanayaka, A.S.
- Critical micelle concentration (CMC) of SDS micelles at different pH, and added salt concentrations
Kulasooriya, E. S. and Gangabadage, C. S.
- Green method for the treating of waste water from service station
Ganegamage, S.K and Bulugahapitiya, V. P.
- Extraction, Isolation and Identification of Compounds in *Cynodon dactylon*
Athukorala, S. A.A.S.P. and Hettiarachchi, S.R.
- Differential thermal analysis of some selected edible fats.
Dilhani Menike, T. R. M. C. and Edussuriya, M.
- Preparation and Characterization of Semiconductor Oxide Thin Films for Hydrogen Photogeneration by Splitting of Water
Samanmalie, P.A.C. and Hewage, J.
- An Automated Cordial Machine
Weerasooriya, W.M.C.A., Niroshani, H.P.D. and Mahanama, G.D.K.
- Construction of an efficient parabolic solar cooker at low cost
Dharmaratna, W.G.D. and Perera, K.A.C.
- Investigation of a new method to study solar cell characteristics
K.V.S.Prasadh, G.D.K.Mahanama and K.P.S.Jayatilake
- Abundance and diversity of avifauna in different riparian habitats associated with Nilwala River
Samarasekara, W.G.K.H. and Chandana, E.P.S.



- Zooplankton abundance and diversity in the brackish water-fresh water mixing zone in the western periphery of the Embillakala lagoon in the Bundala National Park-A Ramsar Wetland in Sri Lanka
Dayasiri, P.B.I.A.K. and Chandana, E.P.S.
- Host preference of *Callosobruchus maculatus* (Fabricus) (Coleoptera : Bruchidae) on three edible legumes
Kishanthi, J.K.A., Bogahawatta, C.N.L, Wegiriya, H.C.E., Wickramasinghe, M.G.V. and Dinusha, R.W.V.G.G.
- Survey on traditional rice varieties grown in selected sites in southern Sri Lanka
Kosgahakumbura, K.N.M.A.S.K., Bogahawatta, C.N.L, Wickramasinghe, M.G.V. and Wegiriya, H.C.E.
- The status of butterfly species in Kiralakelle Wetland; Matara District.
Wijekoon, W.M.C.D., Wegiriya, H.C.E. and Bogahawatte, C.N.L.
- Effect of Ronstar PL (mixture of Oxidiazon and Propanil) on survival of some Cyanobacteria in paddy fields of Sri Lanka.
Dissanayake, N.P.

- Comparative analysis of rigidity across protein families
S A Wells, J E Jimenez-Roldan, and R A Römer
- Critical exponents of the three-dimensional Anderson transition from multifractal analysis
Alberto Rodriguez, Louella J. Vasquez, Keith Slevin, and Rudolf A. Römer
- Collective Excitations in Graphene in a Strong Magnetic Field
A. M. Fischer, A. B. Dzyubenko and R. A Römer



13.00 – 14.00 Technical Session I: Chairman: Prof. W.G.D. Dharmaratne

Venue: Professor Alawattagoda Premadasa Auditorium

- 13.00 – 13.15 Study on the active time period, spatial distribution and nectar plants of recorded butterfly species in Kiralakelle Wetland in Matara District.
Wijekoon, W.M.C.D., Wegiriya H.C.E. and Bogahawatte C.N.L.
- 13.15-13.30 Preliminary studies of the seed of *Aleurites moluccana* to find out the cytotoxic compounds and the preparation of biodiesel.
Wijesinghe W.M.C.S and Bulugahapitiya V. P.
- 13.45 -14.00 A Field survey on ant species in four selected locations in Wellamadama premises of the University of Ruhuna.
Wijekoon W.M.C.D., Bogahawatte C.N.L. and Senevirathna, J.D.M.
- 13.45 – 14.00 Analysis of relative growth patterns and sexual dimorphism of selected morphometric and meristic characters of *Macrobrachium rosenbergii dacqueti* (Sunier 1925)
Gamage N.T.G. and Munasinghe D.H.N
- 14.00 – 14.45 Point-Mutation Effects on Charge-Transport Properties of DNA
Roemer, R.A
- 14.45 – 15.00 Tea
- 15.00 – 16.00 Technical Session II: Chairman: Prof. Gamini Senanayake**
- 15.00 – 15.15 Effect of aqueous leaf extract of neem (*Azadirachta indica*) on different age groups of second stage-juveniles of *Meloidogyne incognita*
Dammini Premachandra, W. T. S. and Weeraratne, H.P.
- 15.15 – 15.30 An investigation on cauda storage of sperm in hamster epididymis
Sudarshani, K.A.M., Wegiriya H.C. E. and Samayawardhena, L.A.
- 15.30 – 15.45 A low cost automated device to release a certain volume of liquid
Ranatunga E.M. and Dharmaratna W.G.D.
- 15.45 – 16.00 Manipulation of RECK (Reversion-inducing Cystein-rich proteins with Kazal motifs) in Human Vascular Smooth Muscle Cells and Human Vascular Endothelial Cells
Chandana, E.P.S., Yoko Yoshida, and Makoto Noda
- 16.00 – 16.15 Awarding ceremony for best student presenters (*Oral & Poster*)