

Publications and Presentations at Conferences

M.G.D.T. Karunaratne, S.C.D. Fernando, C. Udawatte and P.K. Perera (2015). Nitric Oxide Scavenging and Inhibition of Protein Glycation by a Traditional Medical Preparation, Nawarathna Kalka. *16th Asian Chemical Congress*, Bangladesh (Accepted)

R.S. Hewawasam, U.S.K. Weliwegamage, S. Rajapakse and S. Sotheeswaran (2015). Production of Rose Wine from Over-ripe Banana. *16th Asian Chemical Congress*, Bangladesh (Accepted)

A.S. Perera and C. Udawatte (2015). Molecular Docking Studies of Human K-ras Protein with P34 Derivatives. *16th Asian Chemical Congress*, Bangladesh (Accepted)

S.M. Abdulla and C. Udawatte (2015). Molecular Modelling of the Binding of Coumarins to DNA Gyrase. *16th Asian Chemical Congress*, Bangladesh (Accepted)

A.G. Guruge, S. Weerasinghe and C. Udawatte (2015). ATP Competitive Inhibitors for Human Topoisomerase II α . *16th Asian Chemical Congress*, Bangladesh (Accepted)

M.B.S. Weerawardana, T. Gopika and P. Paranagama (2015). Identification of Natural Antibrowning Agents against Polyphenol Oxidase Activity in Selected Vegetables and Fruits in Sri Lanka. *16th Asian Chemical Congress*, Bangladesh (Accepted)

H.D. Gunawardhana (2015). Chemical Sciences in Food Safety and Food Security. *44th Annual Sessions of the Institute of Chemistry Ceylon*, **32(3)**, 6-8.

H.D. Gunawardhana (2015). Food Security and Water Quality. *44th Annual Sessions of the Institute of Chemistry Ceylon*, **32(3)**, 14-18.

M.G.D.T. Karunaratne, S.C.D. Fernando, C. Udawatte and P.K. Perera (2015). Nitric Oxide Scavenging Activity of the Herbal Formulation Nawarathne Kalke Used in Traditional Medicinal Systems in Sri Lanka for the Treatment of Rheumatoid Arthritis. *44th Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **32(2)**, 17.

P.H. Gamage, U.S.K. Weliwegamage and H.I.C. de Siva (2015). Decarboxylation of Waste Coconut Oil for the Production of Green Diesel. *44th Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **32(2)**, 23.

C.N. Ratnaweera (2015) New Era in Computational Chemistry- Graphic Processing Units (GPUs) to Accelerate Molecular Dynamics, Simulations, and Molecular Modeling. *Chemistry in Sri Lanka*, **32(3)**, 47-50.

S.R. Gunatilake (2015). Determination of Residue Estrogens in Environmental Matrices. *Chemistry in Sri Lanka*, **32(2)**, 33-37.

M.R. Lamabadusuriya (2015). Ion Mobility Spectrometry: An Economical Analytical Technique. *Chemistry in Sri Lanka*, **32(2)**, 37-40.

J.N.O Fernando (2015). A Fantastic, Unique, Historical, Unbelievable and Proud Achievement: CCS produces 1075 Graduate Chemists and 1025 Chemistry Technicians through a high quality professional programme at the lowest possible cost with no delays. *Chemistry in Sri Lanka*, **32(2)**, 43-47.

R.S. Hewawasam, U.S.K Weliwegamage, S. Rajapakse, C. Udawatte and S. Sotheeswaran (2014). Immobilization of Selected Microbes at Some Selected Solid Supports for Enhanced Fermentation Process. *Research Congress, Post Graduate Institute of Science, University of Peradeniya*

S.A.K. James, W.K.S.M.Abeyskare, G.A.S.Premakumara, S. Sotheeswaran, N.Sivapragasm, D.Thavarajah and P.Thavarajah (2014). Resistant Starch Content of Selected Improved, Old Improved and Traditional Red and White Rice Varieties (*Oryzasativa L.*) of Sri Lanka. *70thAnnual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS) Part I: Abstracts*, 17.

A.G. Guruge, S. Weerasinghe and C. Udawatte (2014). Molecular Modeling of the Binding of Coumarin Derivatives to Human Topoisomerase II. *70thAnnual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Part I: Abstracts*, 139.

L.P. Egodawatte, S.C.D. Fernando and C. Udawatte (2014). Diabetes Prevalence among Different Ethnic, Age and Income Groups in the Western Province of Sri Lanka – A Preliminary Study. *70thAnnual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Part I: Abstracts*, 100.

R. Hewawasam, U.S.K. Welewegamage and S. Rajapakse (2014). Synergism Activity of Some Selected Microbial Species for Effective Fermentation. *70thAnnual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Part I: Abstracts*, 38.

Maheeka Y. Abeywardene, Maheeshi Y. Abeywardene, L.P. Egodawatte and C. Udawatte (2014). Fluorescent Indicator from *Tamarindusindica* (Tamarind) Pod Shells to Detect Trace Levels of Hg (II) in Aqueous Solutions. *Annual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Part I: Abstracts*, 141.

S.R. Priyadarsani, L.P. Egodawatta and R. Parthipan (2014). Study of Variation of Iodine Content from Iodated Edible Common Salt in Different Cooking Media. *Annual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS), Part I: Abstracts*, 142.

S.A.Liyanage and C.Udawatte (2014). A Natural Food Dye from Gorakha. *International Conference in Chemical Education and Research to Commemorate the Ruby Anniversary of Tertiary Education, College of Chemical Sciences, Institute of Chemistry Ceylon*

R. Hewawasam, C. Jayawardene, and C. Udawatte (2014). Coconut Water as a Growth Medium for *Saccharomyces cerevisiae* and *Escherichia coli*. *International Conference in Chemical*

Education and Research to Commemorate the Ruby Anniversary of Tertiary Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 76.

D.C Senevirathna, R.M.J.S Hunukubura, R.D Senevirathne, M.N.A Dias and C.Udawatte (2014). Metalochromic Indicator from *Beta vulgaris* for Titrimetric Determination of Cu^{2+} . *International Conference in Chemical Education and Research to Commemorate the Ruby Anniversary of Tertiary Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 52.*

R.M.J.S Hunukumbura, D.C Senevirathna, U.D Hewagamage, M.N.A Dias and C.Udawatta (2014). Highly Selective Fluorescent Sensor for Hg^{2+} Determination from *Beta vulgaris*. *International Conference in Chemical Education and Research to Commemorate the Ruby Anniversary of Tertiary Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 51.*

P.U.A.I. Fernando, S.A.Liyanage, R.S.G.Corea, J.A.Vanlangenberg, K.M. Pillai and C.S. Udawatte (2014). Coir Dust as an Adsorbent for Metal Ions. *International Conference in Chemical Education and Research to Commemorate the Ruby Anniversary of Tertiary Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 66.*

A.S. Perera, A.G. Guruge and C.S.Udawatte (2014). Binding of K-Ras to p34: A Molecular Docking Approach. *International Conference in Chemical Education and Research to Commemorate the Ruby Anniversary of Tertiary Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 67.*

J.N.O. Fernando (2014). The unique empowerment of Sri Lankans through the Graduateship Programme in Chemistry in an unconventional manner to enable not only school leavers but adults, the employed, late developers, late realizers etc. to realize their goals and aspirations. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 13-14.*

J.N.O. Fernando (2014). Performance Levels of Excellence at the National Examinations in Sri Lanka Do Not Appear to Be a True Reflection of Mastery of Material? *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 84.*

J.N.O. Fernando (2014). New Developments and Initiatives in the Graduateship Programme in Chemistry at the College of Chemical Sciences. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 92.*

S. Sotheeswaran (2014). Innovations in Chemical Education in the South Pacific by the Distance and Flexible Learning Mode (DFL). *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 102.*

S. Sotheeswaran (2014). Why Study Marine Natural Products? *International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts, 69.*

U.S.K. Weliwegamage, P.U.A.I. Fernando and N.H.P. De Silva (2014). Utilization of Waste Tea Leaves for Removal of Dyes Methylene Blue and Congo Red. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 106.

P.U.A.I. Fernando, U.S.K. Weliwegamage, J.N.O. Fernando, K.W.D.K. Chandrasiri, M.D.C.D. Jayawardana, K.A.M.S. Perera and G.G.S.P. Weragoda, The Graduateship Programme in Chemistry of the Institute of Chemistry Ceylon; a pathway to higher education for those unable to enter the university system *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 15.

P.U.A.I. Fernando, K.W.D.K. Chandrasiri, C.S. Udawatte and J.N.O. Fernando (2014). Student Profile of the College of Chemical Sciences, Institute of Chemistry, Class of 2013, (new comers). *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 16.

R. Parthipan and K.W.D.K. Chandrasiri (2014). Action Research: Use of Pre Laboratory Question Documents to Enhance Learning at College of Chemical Sciences. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 17.

R. Kandiah and W.K.D. Vidyani Dilrukshi (2014). The Use of Lecture Breaks in College of Chemical Sciences, Sri Lanka. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 18.

H.D. Gunawardhana (2014). Thermodynamics in Titrimetry. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 24.

H.D. Gunawardhana (2014). Teaching of Inorganic Chemistry through Systematic Qualitative Analysis. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 25.

H.D. Gunawardhana (2014). Teaching of Inorganic Chemistry using Selected Qualitative Analysis. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 26.

M.D.P. De Costa, U.M.P.K. Perera and O.P.L.A. Amarasiriwardene (2014). Development of a Fluorescence Sensor Based on Benzohydroxamic Acid and Naphthylacetoxyhydroxamic for the Analysis of Fluoride. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 42.

U.K. Jayasundara and J.I. Cline (2014). Proton Activated Photoisomerization of Dibenzofulvene Molecular Actuators. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 46.

U.K. Jayasundara and J.I. Cline (2014). A Computational Approach to Understand the Efficiency of Substituted Dibenzofulvene Rotors. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 48.

S.D.M. Chinthaka, K.W.D.K. Chandrasiri, J.G.P.S. Ubesena and S.P. Deraniyagala, (2014). Sequential Fractionation of Cadmium in Sediments of Selected Lakes in North Central Province. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 49.

S.A.Liyanage and C.Udawatte (2014). A Natural Food Dye from Gorakha. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 111.

R.S. Hewawasam, U.S.K Weliwegamage, S. Rajapakse, S. Sotheeswaran (2014). Immobilization of selected microbes at some solid selected supports for enhanced fermentation process. *Research Congress, Post Graduate Institute of Science, University of Peradeniya, Abstracts*, 5.

E.G. Somapala, S. Latheef and D. Fernando (2014). Diploma in Laboratory Technology in Chemistry. *The International Conference in Chemical Education, College of Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 98.

U.K. Jayasundara (2014). Lasers in Chemistry. *Chemistry in Sri Lanka*, **31(2)**, 19-21.

J.N.O. Fernando (2014). A unique, productive and creative contribution towards Human Resources Development over four decades. *Chemistry in Sri Lanka*, **31(2)**, 29-32.

R.S. Hewawasam, R.G.S.C. Rajapakse, U.S.K. Weliwegamage and S. Sotheeswaran (2013). Ethanol Production by Microbial Fermentation Using Over-ripe Bananas. *42nd Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **30(2)**, 17.

D.C. Senevirathne, R.D. Senevirathne and C. Udawatte (2013). Total Phenolic Content and Antioxidant Activity of *Eichornia Crassipes* Ethanolic Extract. *42nd Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **30(2)**, 23-24.

J.A.D.I. Niranga and H.D. Gunawardhan (2013). The Study on the Effect of Sodium Adsorption Ratio (SAR) to the Ion Exchange Properties of Soil. *42nd Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **30(2)**, 36.

H.R.C. Chinthana and H.D. Gunawardhana (2013). Use of *Circuma longa* as a Metallochromic Indicator for the Titration of Iron (III) with EDTA. *42nd Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **30(2)**, 36.

P.U.A.I. Fernando, C. Udawatte, and J.N.O. Fernando (2013). Graduateship Programme in Chemistry- Analysis of Student Data, Class of 2012. *42nd Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **30(2)**, 43-44.

P.U.A.I. Fernando, C. Udawatte, and J.N.O. Fernando (2013). Graduateship Programme in Chemistry- Research Course and the Newly Introduced Literature Survey Course. *42nd Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **30(2)**, 44-45.

C. Udawatte (2013). Evaluating Problem Solving Skills – Case Study of Students in the First and Third Years of the Graduateship Programme in Chemistry. *42nd Annual Sessions of the Institute of Chemistry Ceylon, Chemistry in Sri Lanka*, **30(2)**, 45-46

P.U.A.I. Fernando, C.S.Udawatte, H.C.Weerarathne and J.N.O. Fernando (2013). Student Profile of the College of Chemical Sciences, Institute of Chemistry 2012. *69th Annual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS)*

C. Perera, D.C Senevirathna, R.M.J.S Hunukubura, R.D Senevirathne, M.N.A Dias and C.Udawatte (2013). Fluorescent Hydronium Ion Sensor from *Garcinia mangostana*. *Annual Sessions of Sri Lanka Association for the Advancement of Science (SLAAS)*

S.C.D.Fernando, S.D.Gunasinghe, M.C.D Cooray and C. Udawatte (2013). Estimation of Phytochemical Composition, Antioxidant Activity and Cytotoxic Effect of Different Extracts of an Ayurvedic Paste – “Navarathna Kalka” used in Sri Lanka. *International Conference on Unani, Ayurveda, Siddha and Traditional Medicine, Institute of Indigenous Medicine, University of Colombo*

S. Sotheeswaran (2012). Role of Chemistry Research in National Development. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon*

J.N.O. Fernando (2012). The Unique Contribution Made to Human Resource Development Through Quality Tertiary Chemical Education Under the Aegis of the College of Chemical Sciences, Institute of Chemistry Ceylon. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon*

G.D.M.R. Dabera, J.N.O. Fernando, B.A.T.N. Gunasekare and S.R. Weerasinghe (2012). Graduateship Programme in Chemistry, Part-I Analysis of Significant Data Obtained from Current Graduateship Students. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 177-181.

G.D.M.R. Dabera, J.N.O. Fernando, B.A.T.N. Gunasekare and S.R. Weerasinghe (2012). Graduateship Programme in Chemistry, Part-II Postgraduate Pursuits and Job Activities of Graduate Chemists. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon, Abstracts*, 182-184.

H.G.G. Purnima, S. Sotheeswaran and P.A. Paranagama (2012). Bioactivity Studies on Some Heterocyclic Compounds Synthesized Using Hantzsch Dihydropyridine Synthesis. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon*

C. Udawatte (2012). Taurine – A Therapeutic agent? *Chemistry in Sri Lanka*, **29(1)**, 36-40.

P.P.A.M.S.I. Ratnayake, S. Sotheeswaran and U.S.K. Weliwegamage (2011). Production of Biodiesel from Palm Oil. *40th Annual Sessions of the Institute of Chemistry Ceylon*
Chemistry in Sri Lanka, **28(2)**, 16.

J.N.O. Fernando (2011). Another Year of Progress in Professional Chemical Education Leads the College into the International Year of Chemistry – 2011. *Chemistry in Sri Lanka*, **28(2)**, 29-32.

Hewawasam R.S., Udawatte, C., Weliwegamage, S.K., Sotheeswaran, S., Rajapakse, S. (2015). Immobilization of Selected Microbes at Some Selected Solid Supports for Enhanced Fermentation Process. *Ferment Technol*, **4**, 115-117.

J.N.O. Fernando (2012). The Unique Contribution Made to Human Resource Development Through Quality Tertiary Chemical Education Under the Aegis of the College of Chemical Sciences, Institute of Chemistry Ceylon. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon*, **Abstracts**, 6-11.

R. Kandiah and T. Dharushana (2012). Water Quality Analysis of Surface Water. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon*, **Abstracts**, 312-315.

H.G.G. Purnima, S. Sotheeswaran and P.A. Paranagama (2012). Bioactivity Studies on Some Heterocyclic Compounds Synthesized Using Hantzsch Dihydropyridine Synthesis. *International Conference on Chemical Sciences, Institute of Chemistry Ceylon*, **Abstracts**, 316-320.