

SUBJECT INDEX - VOL 43 - 2015

ACE inhibitory activity

ACE-inhibitory activity of milk fermented with *Saccharomyces cerevisiae* K7 and *Lactococcus lactis* subsp. *lactis* NBRC 12007 (Rasika D.M.D., Ueda T., Jayakody L.N., Suriyagoda L.D.B., Silva K.F.S.T., Ando S. & Vidanarachchi J.K.) **43**: 141-151 (2015)

Acidic deposition

Model assessment of acid deposition potential by SO_x in Sri Lanka (Ileperuma O.A.) **43**: 281-287 (2015)

Agro-climatic zones

Diversity and distribution of tick species infesting goats with two new host records from Sri Lanka (Diyes G.C.P. & Rajakaruna R.S.) **43**: 225-234 (2015)

Air permeability

Evaluation of cover soil properties of solid waste dumpsites in Colombo District, Sri Lanka (Harshani H.M.D., Nawagamuwa U.P. & Senanayake A.) **43**: 189-194 (2015)

Alkaline soil

Effect of Zn as soil addition and foliar application on yield and protein content of wheat in alkaline soil (Khattak S.G., Dominy P.J. & Ahmad W.) **43**: 303-31 (2015)

Allelopathy

Effect of incorporating the residues of Sri Lankan improved rice (*Oryza sativa* L.) varieties on germination and growth of barnyard grass (*Echinochloa crus-galli*) (Wathugala D.L. & Ranagalage A.S.) **43**: 57-64 (2015)

Allium sativum

Selected Sri Lankan food plants and other herbs as potential sources of inulin - type fructans (Mudannayake D.C., Wimalasiri K.M.S., Silva K.F.S.T. & Ajlouni S.) **43**: 35-43 (2015)

Anaerobic digestion

The effect of cefazolin on biogas production from thermophilic and mesophilic anaerobic co-digestion of dairy manure and waste milk (Beneragama N., Iwasaki M., Lateef S.A. & Umetsu K.) **43**: 369-376 (2015)

Animal communication strategy

Using animal communication strategy (ACS) for MANET routing (Manimegalai T., Jayakumar C. & Gunasekaran G.) **43**: 199-208 (2015)

Anthraxnose

Effect of silicon and potassium on tomato anthracnose and on the postharvest quality of tomato fruit (*Lycopersicon esculentum* Mill.) (Weerahewa D. & David D.) **43**: 273-280 (2015)

Anthropometry

Assessment of body composition of Sri Lankan Australian children using ethnic specific equations (Wickramasinghe V.P., Cleghorn G.J. & Davies P.S.W.) **43**: 111-118 (2015)

Anticancer activity

Two new bioactive polyketides from *Curvularia trifolii*, an endolichenic fungus isolated from *Usnea* sp., in Sri Lanka (Samanthi K.A.U., Wickramarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 217-224 (2015)

Anti-inflammatory activity

Two new bioactive polyketides from *Curvularia trifolii*, an endolichenic fungus isolated from *Usnea* sp., in Sri Lanka (Samanthi K.A.U., Wickramarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 217-224 (2015)

Antioxidant activity

Two new bioactive polyketides from *Curvularia trifolii*, an endolichenic fungus isolated from *Usnea* sp., in Sri Lanka (Samanthi K.A.U., Wickramarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 217-224 (2015)

Antioxidant activity

Two new antioxidant active polyketides from *Penicillium citrinum*, an endolichenic fungus isolated from *Parmotrema* species in Sri Lanka (Samanthi K.A.U., Wickramarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 119-126 (2015)

Area under the curve (AUC)

Simulation study of a novel method for comparing more than two independent receiver operating characteristic (ROC) curves based on the area under the curves (AUCs) (Meyen A.N. & Sooriyarachchi M.R.) **43**: 357-367 (2015)

Asparagus falcatus

Selected Sri Lankan food plants and other herbs as potential sources of inulin - type fructans (Mudannayake D.C., Wimalasiri K.M.S., Silva K.F.S.T. & Ajlouni S.) **43**: 35-43 (2015)

Asparagus racemosus

Selected Sri Lankan food plants and other herbs as potential sources of inulin - type fructans (Mudannayake D.C., Wimalasiri K.M.S., Silva K.F.S.T. & Ajlouni S.) **43**: 35-43 (2015)

Attachment sites

Diversity and distribution of tick species infesting goats with two new host records from Sri Lanka (Diyes G.C.P. & Rajakaruna R.S.) **43**: 225-234 (2015)

Basic reproduction number

Stability properties of a delayed HIV model with nonlinear functional response and absorption effect (Pradeep B.G.S.A., Ma W. & Guo S.) **43**: 235-245 (2015)

Beta distribution

Simulation study of a novel method for comparing more than two independent receiver operating characteristic (ROC) curves based on the area under the curves (AUCs) (Meyen A.N. & Sooriyarachchi M.R.) **43**: 357-367 (2015)

Bio-acetal

Evaluation of bio-acetal as a sustainable alternative jet fuel (Wijesekara R.G.S., Alfafara C.G. & Matsumura M.) **43**: 165-171 (2015)

Bioassay

Toxicity assessment of industrial wastewaters reaching Dandugan Oya, Sri Lanka using a plant based bioassay (Kannangara D.N.M. & Pathiratne A.) **43**: 153-163 (2015)

Bioelectrical impedance

Assessment of body composition of Sri Lankan Australian children using ethnic specific equations (Wickramasinghe V.P., Cleghorn G.J. & Davies P.S.W.) **43**: 111-118 (2015)

Biogas

The effect of cefazolin on biogas production from thermophilic and mesophilic anaerobic co-digestion of dairy manure and waste milk (Beneragama N., Iwasaki M., Lateef S.A. & Umetsu K.) **43**: 369-376 (2015)

Bio-jet fuel

Evaluation of bio-acetal as a sustainable alternative jet fuel (Wijesekara R.G.S., Alfafara C.G. & Matsumura M.) **43**: 165-171 (2015)

Biological activity

A review of studies on bioactive compounds isolated from Sri Lankan flora (Siriwardhana A., Wijesundara S. & Karunaratne V.) **43**: 11-33 (2015)

Biosynthesis

Two new antioxidant active polyketides from *Penicillium citrinum*, an endolichenic fungus isolated from *Parmotrema* species in Sri Lanka (Samanthi K.A.U., Wickramaarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 119-126 (2015)

Birch equation of state

Effect of pressure on the valency of cerium in cerium monochalcogenides and cerium monopnictides (Hossain M.T., Hannan A. & Parvin S.R.) **43**: 313-317 (2015)

Body composition

Assessment of body composition of Sri Lankan Australian children using ethnic specific equations (Wickramasinghe V.P., Cleghorn G.J. & Davies P.S.W.) **43**: 111-118 (2015)

Brassinosteroids

Pre and postharvest practices for quality improvement of table grapes (*Vitis vinifera* L.) (Champa W.A.H.) **43**: 3-9 (2015)

Cefazolin

The effect of cefazolin on biogas production from thermophilic and mesophilic anaerobic co-digestion of dairy manure and waste milk (Beneragama N., Iwasaki M., Lateef S.A. & Umetsu K.) **43**: 369-376 (2015)

Central fragile area

Forest sector in a green economy: a paradigm shift in global trends and national planning in Sri Lanka (Gunatilleke N.) **43**: 101-109 (2015)

Cerium monochalcogenides

Effect of pressure on the valency of cerium in cerium monochalcogenides and cerium monopnictides (Hossain M.T., Hannan A. & Parvin S.R.) **43**: 313-317 (2015)

Cerium monopnictides

Effect of pressure on the valency of cerium in cerium monochalcogenides and cerium monopnictides (Hossain M.T., Hannan A. & Parvin S.R.) **43**: 313-317(2015)

Chicory

Selected Sri Lankan food plants and other herbs as potential sources of inulin - type fructans (Mudannayake D.C., Wimalasiri K.M.S., Silva K.F.S.T. & Ajlouni S.) **43**: 35-43 (2015)

Climate change

Major determinants of fruit set and yield fluctuation in coconut (*Cocos nucifera* L.) (Ranasinghe C.S., Silva L.R.S. & Premasiri R.D.N.) **43**: 253-264 (2015)

Coastal pollution

Histological alterations and polycyclic aromatic hydrocarbon exposure indicative bile fluorescence patterns in fishes from Koggala lagoon, Sri Lanka (Ranasingha R.A.T.C.S. & Pathiratne A.) **43**: 65-73 (2015)

Coconut

Major determinants of fruit set and yield fluctuation in coconut (*Cocos nucifera* L.) (Ranasinghe C.S., Silva L.R.S. & Premasiri R.D.N.) **43**: 253-264 (2015)

Coconut

Transcriptome analysis for discovering candidate genes involve in embryogenesis in coconut (*Cocos nucifera* L.) through 454 pyrosequencing (Bandupriya H.D.D. & Dunwell J.M.) **43**: 319-336 (2015)

Co-digestion

The effect of cefazolin on biogas production from thermophilic and mesophilic anaerobic co-digestion of dairy manure and waste milk (Beneragama N., Iwasaki M., Lateef S.A. & Umetsu K.) **43**: 369-376 (2015)

Compaction

Evaluation of cover soil properties of solid waste dumpsites in Colombo District, Sri Lanka (Harshani H.M.D., Nawagamuwa U.P. & Senanayake A.) **43**: 189-194 (2015)

Connectivity indices

Computation of the different topological indices of nanostructures (Soleimani N., Nikmehr M.J. & Tavallae H.A.) **43**: 127-133 (2015)

Cophenetic correlation

Application of clustering and ordination methods to determine the optimal plot size for vegetation sampling of a Sri Lankan dipterocarp forest (Wimalasena S.C.D., Wijekoon P., Fernando S.S. & Gunatilleke I.A.U.N.) **43**: 91-98 (2015)

Cover soil

Evaluation of cover soil properties of solid waste dumpsites in Colombo District, Sri Lanka (Harshani H.M.D., Nawagamuwa U.P. & Senanayake A.) **43**: 189-194 (2015)

Crop residue

Effect of incorporating the residues of Sri Lankan improved rice (*Oryza sativa* L.) varieties on germination and growth of barnyard grass (*Echinochloa crus-galli*) (Wathugala D.L. & Ranagalage A.S.) **43**: 57-64 (2015)

Cross wavelets

Modelling and analysis of dengue disease transmission in urban Colombo: a wavelets and cross wavelets approach (Wickramaarachchi W.P.T.M., Perera S.S.N. & Jayasinghe S.) **43**: 337-345 (2015)

Crystallisation kinetics

Improvement of thermal properties of poly (L-lactic acid) by blending with zinc lactate (Cai Y.H., Ren L.P. & Tang Y.) **43**: 247-252 (2015)

Curvularia sp.

Two new bioactive polyketides from *Curvularia trifolii*, an endolichenic fungus isolated from *Usnea* sp., in Sri Lanka (Samanthi K.A.U., Wickramarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 217-224 (2015)

Cytotoxicity

Toxicity assessment of industrial wastewaters reaching Dandugan Oya, Sri Lanka using a plant based bioassay (Kannangara D.N.M. & Pathiratne A.) **43**: 153-163 (2015)

Dandugan Oya

Toxicity assessment of industrial wastewaters reaching Dandugan Oya, Sri Lanka using a plant based bioassay (Kannangara D.N.M. & Pathiratne A.) **43**: 153-163 (2015)

Dengue epidemics

Modelling and analysis of dengue disease transmission in urban Colombo: a wavelets and cross wavelets approach (Wickramaarachchi W.P.T.M., Perera S.S.N. & Jayasinghe S.) **43**: 337-345 (2015)

Descriptive sensory analysis

Developing a trained sensory panel for comparison of different brands of vanilla ice cream using descriptive sensory analysis (Hettiarachchi C.A. & Illeperuma D.C.K.) **43**: 45-55 (2015)

Disease incidence

Effect of endophytic fungi on plant growth and blast disease incidence of two traditional rice varieties (Atugala D.M. & Deshappriya N.) **43**: 175-187 (2015)

Disease resistance

Effect of silicon and potassium on tomato anthracnose and on the postharvest quality of tomato fruit (*Lycopersicon esculentum* Mill.) (Weerahewa D. & David D.) **43**: 273-280 (2015)

Double bond cracking

Evaluation of bio-acetal as a sustainable alternative jet fuel (Wijesekara R.G.S., Alfafara C.G. & Matsumura M.) **43**: 165-171 (2015)

Dry matter requirement

Major determinants of fruit set and yield fluctuation in coconut (*Cocos nucifera* L.) (Ranasinghe C.S., Silva L.R.S. & Premasiri R.D.N.) **43**: 253-264 (2015)

DSDV

Using animal communication strategy (ACS) for MANET routing (Manimegalai T., Jayakumar C. & Gunasekaran G.) **43**: 199-208 (2015)

Dynamical system

Modelling and analysis of dengue disease transmission in urban Colombo: a wavelets and cross wavelets approach (Wickramaarachchi W.P.T.M., Perera S.S.N. & Jayasinghe S.) **43**: 337-345 (2015)

Echinochloa crus-galli

Effect of incorporating the residues of Sri Lankan improved rice (*Oryza sativa* L.) varieties on germination and growth of barnyard grass (*Echinochloa crus-galli*) (Wathugala D.L. & Ranagalage A.S.) **43**: 57-64 (2015)

Ecosystem services

Forest sector in a green economy: a paradigm shift in global trends and national planning in Sri Lanka (Gunatilleke N.) **43**: 101-109 (2015)

Embryo growth

Confirmation of morphophysiological dormancy in sandalwood (*Santalum album*, Santalaceae) seeds (Jayawardena M.M.D.M., Jayasuriya K.M.G.G. & Walck J.L.) **43**: 209-215 (2015)

Embryogenesis

Transcriptome analysis for discovering candidate genes involve in embryogenesis in coconut (*Cocos nucifera* L.) through 454 pyrosequencing (Bandupriya H.D.D. & Dunwell J.M.) **43**: 319-336 (2015)

Endemic plant species

A review of studies on bioactive compounds isolated from Sri Lankan flora (Siriwardhana A., Wijesundara S. & Karunaratne V.) **43**: 11-33 (2015)

Endolichenic fungus

Two new antioxidant active polyketides from *Penicillium citrinum*, an endolichenic fungus isolated from *Parmotrema* species in Sri Lanka (Samanthi K.A.U., Wickramaarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 119-126 (2015)

Endolichenic fungus

Two new bioactive polyketides from *Curvularia trifolii*, an endolichenic fungus isolated from *Usnea* sp., in Sri Lanka (Samanthi K.A.U., Wickramaarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 217-224 (2015)

Endophytic fungi

Effect of endophytic fungi on plant growth and blast disease incidence of two traditional rice varieties (Atugala D.M. & Deshappriya N.) **43**: 175-187 (2015)

ENSO

Interannual variability of precipitation in Sri Lanka (Jayawardene H.K.W.I., Jayewardene D.R. & Sonnadara D.U.J.) **43**: 75-82 (2015)

Enzymatic spectrophotometric assay

Selected Sri Lankan food plants and other herbs as potential sources of inulin - type fructans (Mudannayake D.C., Wimalasiri K.M.S., Silva K.F.S.T. & Ajlouni S.) **43**: 35-43 (2015)

Ethnic specific equation

Assessment of body composition of Sri Lankan Australian children using ethnic specific equations (Wickramasinghe V.P., Cleghorn G.J. & Davies P.S.W.) **43**: 111-118 (2015)

Evaluation

Evaluation of bio-acetal as a sustainable alternative jet fuel (Wijesekara R.G.S., Alfafara C.G. & Matsumura M.) **43**: 165-171 (2015)

Expressed sequence tags

Transcriptome analysis for discovering candidate genes involve in embryogenesis in coconut (*Cocos nucifera* L.) through 454 pyrosequencing (Bandupriya H.D.D. & Dunwell J.M.) **43**: 319-336 (2015)

Fish histology

Histological alterations and polycyclic aromatic hydrocarbon exposure indicative bile fluorescence patterns in fishes from Koggala lagoon, Sri Lanka (Ranasingha R.A.T.C.S. & Pathiratne A.) **43**: 65-73 (2015)

Floriculture

Ornamental pteridophytes: an underexploited opportunity for the Sri Lankan floriculture industry (Ranil R.H.G., Beneragama C.K., Pushpakumara D.K.N.G. & Wijesundara D.S.A.) **43**: 293-301 (2015)

Foliar application of Zn

Effect of Zn as soil addition and foliar application on yield and protein content of wheat in alkaline soil (Khattak S.G., Dominy P.J. & Ahmad W.) **43**: 303-312 (2015)

Forests

Forest sector in a green economy: a paradigm shift in global trends and national planning in Sri Lanka (Gunatilleke N.) **43**: 101-109 (2015)

Frequency response

Coordinated inertia response from permanent magnet synchronous generator (PMSG) based wind farms (Licari J. & Ekanayake J.) **43**: 347-355 (2015)

Fruit set

Major determinants of fruit set and yield fluctuation in coconut (*Cocos nucifera* L.) (Ranasinghe C.S., Silva L.R.S. & Premasiri R.D.N.) **43**: 253-264 (2015)

Full rated power converter (FRPC) wind turbines

Coordinated inertia response from permanent magnet synchronous generator (PMSG) based wind farms (Licari J. & Ekanayake J.) **43**: 347-355 (2015)

Genetic algorithms

Increasing the directivity of a microstrip patch array by genetic optimization (Jayasinghe J.W., Uduwawala D.N. & Anguera J.) **43**: 83-89 (2015)

Genotoxicity

Toxicity assessment of industrial wastewaters reaching Dandugan Oya, Sri Lanka using a plant based bioassay (Kannangara D.N.M. & Pathiratne A.) **43**: 153-163 (2015)

Goat ticks

Diversity and distribution of tick species infesting goats with two new host records from Sri Lanka (Diyes G.C.P. & Rajakaruna R.S.) **43**: 225-234 (2015)

Green economy

Forest sector in a green economy: a paradigm shift in global trends and national planning in Sri Lanka (Gunatilleke N.) **43**: 101-109 (2015)

Haemaphysalis

Diversity and distribution of tick species infesting goats with two new host records from Sri Lanka (Diyes G.C.P. & Rajakaruna R.S.) **43**: 225-234 (2015)

Hierarchical clustering

Application of clustering and ordination methods to determine the optimal plot size for vegetation sampling of a Sri Lankan dipterocarp forest (Wimalasena S.C.D., Wijekoon P., Fernando S.S. & Gunatilleke I.A.U.N.) **43**: 91-98 (2015)

High temperature

Major determinants of fruit set and yield fluctuation in coconut (*Cocos nucifera* L.) (Ranasinghe C.S., Silva L.R.S. & Premasiri R.D.N.) **43**: 253-264 (2015)

HIV-1 infection

Stability properties of a delayed HIV model with nonlinear functional response and absorption effect (Pradeep B.G.S.A., Ma W. & Guo S.) **43**: 235-245 (2015)

Immature embryo

Transcriptome analysis for discovering candidate genes involve in embryogenesis in coconut (*Cocos nucifera* L.) through 454 pyrosequencing (Bandupriya H.D.D. & Dunwell J.M.) **43**: 319-336 (2015)

Improved rice cultivars

Effect of incorporating the residues of Sri Lankan improved rice (*Oryza sativa* L.) varieties on germination and growth of barnyard grass (*Echinochloa crus-galli*) (Wathugala D.L. & Ranagalage A.S.) **43**: 57-64 (2015)

Inertia response

Coordinated inertia response from permanent magnet synchronous generator (PMSG) based wind farms (Licari J. & Ekanayake J.) **43**: 347-355 (2015)

Inulin-type fructans

Selected Sri Lankan food plants and other herbs as potential sources of inulin - type fructans (Mudannayake D.C., Wimalasiri K.M.S., Silva K.F.S.T. & Ajlouni S.) **43**: 35-43 (2015)

IOD

Interannual variability of precipitation in Sri Lanka (Jayawardene H.K.W.I., Jayewardene D.R. & Sonnadara D.U.J.) **43**: 75-82 (2015)

Isothermal crystallisation

Improvement of thermal properties of poly (L-lactic acid) by blending with zinc lactate (Cai Y.H., Ren L.P. & Tang Y.) **43**: 247-252 (2015)

Jet fuel property

Evaluation of bio-acetal as a sustainable alternative jet fuel (Wijesekara R.G.S., Alfafara C.G. & Matsumura M.) **43**: 165-171 (2015)

Kaluheenati

Effect of endophytic fungi on plant growth and blast disease incidence of two traditional rice varieties (Atugala D.M. & Deshapriya N.) **43**: 175-187 (2015)

Koggala lagoon

Histological alterations and polycyclic aromatic hydrocarbon exposure indicative bile fluorescence patterns in fishes from Koggala lagoon, Sri Lanka (Ranasingha R.A.T.C.S. & Pathiratne A.) **43**: 65-73 (2015)

Lactococcus lactis

ACE-inhibitory activity of milk fermented with *Saccharomyces cerevisiae* K7 and *Lactococcus lactis* subsp. *lactis* NBRC 12007 (Rasika D.M.D., Ueda T., Jayakody L.N., Suriyagoda L.D.B., Silva K.F.S.T., Ando S. & Vidanarachchi J.K.) **43**: 141-151 (2015)

Landfill

Evaluation of cover soil properties of solid waste dumpsites in Colombo District, Sri Lanka (Harshani H.M.D., Nawagamuwa U.P. & Senanayake A.) **43**: 189-194 (2015)

Latent delay

Stability properties of a delayed HIV model with nonlinear functional response and absorption effect (Pradeep B.G.S.A., Ma W. & Guo S.) **43**: 235-245 (2015)

Liapunov functional

Stability properties of a delayed HIV model with nonlinear functional response and absorption effect (Pradeep B.G.S.A., Ma W. & Guo S.) **43**: 235-245 (2015)

Likelihood ratio test (LRT)

Simulation study of a novel method for comparing more than two independent receiver operating characteristic (ROC) curves based on the area under the curves (AUCs) (Meyen A.N. & Sooriarachchi M.R.) **43**: 357-367 (2015)

Local and global stability

Stability properties of a delayed HIV model with nonlinear functional response and absorption effect (Pradeep B.G.S.A., Ma W. & Guo S.) **43**: 235-245 (2015)

Magnaporthe grisea

Effect of endophytic fungi on plant growth and blast disease incidence of two traditional rice varieties (Atugala D.M. & Deshapriya N.) **43**: 175-187 (2015)

Maheshi

Effect of silicon and potassium on tomato anthracnose and on the postharvest quality of tomato fruit (*Lycopersicon esculentum* Mill.) (Weerahewa D. & David D.) **43**: 273-280 (2015)

Mathematical delay

Stability properties of a delayed HIV model with nonlinear functional response and absorption effect (Pradeep B.G.S.A., Ma W. & Guo S.) **43**: 235-245 (2015)

Mature embryo

Transcriptome analysis for discovering candidate genes involve in embryogenesis in coconut (*Cocos nucifera* L.) through 454 pyrosequencing (Bandupriya H.D.D. & Dunwell J.M.) **43**: 319-336 (2015)

Medicinally important compounds

A review of studies on bioactive compounds isolated from Sri Lankan flora (Siriwardhana A., Wijesundara S. & Karunaratne V.) **43**: 11-33 (2015)

MEM

Interannual variability of precipitation in Sri Lanka (Jayawardene H.K.W.I., Jayewardene D.R. & Sonnadara D.U.J.) **43**: 75-82 (2015)

Mesophilic

The effect of cefazolin on biogas production from thermophilic and mesophilic anaerobic co-digestion of dairy manure and waste milk (Beneragama N., Iwasaki M., Lateef S.A. & Umetsu K.) **43**: 369-376 (2015)

Microspore derived embryo

Transcriptome analysis for discovering candidate genes involve in embryogenesis in coconut (*Cocos nucifera* L.) through 454 pyrosequencing (Bandupriya H.D.D. & Dunwell J.M.) **43**: 319-336 (2015)

Microstrip arrays

Increasing the directivity of a microstrip patch array by genetic optimization (Jayasinghe J.W., Uduwawala D.N. & Anguera J.) **43**: 83-89 (2015)

Microstrip patch antenna

Increasing the directivity of a microstrip patch array by genetic optimization (Jayasinghe J.W., Uduwawala D.N. & Anguera J.) **43**: 83-89 (2015)

Milk

ACE-inhibitory activity of milk fermented with *Saccharomyces cerevisiae* K7 and *Lactococcus lactis* subsp. *lactis* NBRC 12007 (Rasika D.M.D., Ueda T., Jayakody L.N., Suriyagoda L.D.B., Silva K.F.S.T., Ando S. & Vidanarachchi J.K.) **43**: 141-151 (2015)

Mobile ad-hoc network

Using animal communication strategy (ACS) for MANET routing (Manimegalai T., Jayakumar C. & Gunasekaran G.) **43**: 199-208 (2015)

Modes of Zn application

Effect of Zn as soil addition and foliar application on yield and protein content of wheat in alkaline soil (Khattak S.G., Dominy P.J. & Ahmad W.) **43**: 303-312 (2015)

Molecular graph

Computation of the different topological indices of nanostructures (Soleimani N., Nikmehr M.J. & Tavallae H.A.) **43**: 127-133 (2015)

Morphophysiological dormancy

Confirmation of morphophysiological dormancy in sandalwood (*Santalum album*, Santalaceae) seeds (Jayawardena M.M.D.M., Jayasuriya K.M.G.G. & Walck J.L.) **43**: 209-215 (2015)

MTM

Interannual variability of precipitation in Sri Lanka (Jayawardene H.K.W.I., Jayewardene D.R. & Sonnadara D.U.J.) **43**: 75-82 (2015)

National physical plan

Forest sector in a green economy: a paradigm shift in global trends and national planning in Sri Lanka (Gunatilleke N.) **43**: 101-109 (2015)

Noise level

Traffic composition and variability of road traffic noise levels in the vicinity of Colombo, Sri Lanka (Kalansuriya C.M., Pannila A.S. & Sonnadara D.U.J.) **43**: 135-140 (2015)

Oil spill

Histological alterations and polycyclic aromatic hydrocarbon exposure indicative bile fluorescence patterns in fishes from Koggala lagoon, Sri Lanka (Ranasingha R.A.T.C.S. & Pathiratne A.) **43**: 65-73 (2015)

Ordination

Application of clustering and ordination methods to determine the optimal plot size for vegetation sampling of a Sri Lankan dipterocarp forest (Wimalasena S.C.D., Wijekoon P., Fernando S.S. & Gunatilleke I.A.U.N.) **43**: 91-98 (2015)

Ornamental plants

Ornamental pteridophytes: an underexploited opportunity for the Sri Lankan floriculture Industry (Ranil R.H.G., Beneragama C.K., Pushpakumara D.K.N.G. & Wijesundara D.S.A.) **43**: 293-301 (2015)

***Oryza sativa* L.**

Effect of incorporating the residues of Sri Lankan improved rice (*Oryza sativa* L.) varieties on germination and growth of barnyard grass (*Echinochloa crus-galli*) (Wathugala D.L. & Ranagalage A.S.) **43**: 57-64 (2015)

Path

Using animal communication strategy (ACS) for MANET routing (Manimegalai T., Jayakumar C. & Gunasekaran G.) **43**: 199-208 (2015)

Penicillium citrinum

Two new antioxidant active polyketides from *Penicillium citrinum*, an endolichenic fungus isolated from *Parmotrema* species in Sri Lanka (Samanthi K.A.U., Wickramaarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 119-126 (2015)

Periodicities

Interannual variability of precipitation in Sri Lanka (Jayawardene H.K.W.I., Jayewardene D.R. & Sonnadara D.U.J.) **43**: 75-82 (2015)

Plantlet regeneration

In vitro propagation of *Santalum album* L. (Peeris M.K.P. & Senarath W.T.P.S.K.) **43**: 265-272 (2015)

Pollination

Major determinants of fruit set and yield fluctuation in coconut (*Cocos nucifera* L.) (Ranasinghe C.S., Silva L.R.S. & Premasiri R.D.N.) **43**: 253-264 (2015)

Poly (L-lactic acid)

Improvement of thermal properties of poly (L-lactic acid) by blending with zinc lactate (Cai Y.H., Ren L.P. & Tang Y.) **43**: 247-252 (2015)

Polyamine

Pre and postharvest practices for quality improvement of table grapes (*Vitis vinifera* L.) (Champa W.A.H.) **43**: 3-9 (2015)

Polyketides

Two new antioxidant active polyketides from *Penicillium citrinum*, an endolichenic fungus isolated from *Parmotrema* species in Sri Lanka (Samanthi K.A.U., Wickramaarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 119-126 (2015)

Potassium

Effect of silicon and potassium on tomato anthracnose and on the postharvest quality of tomato fruit (*Lycopersicon esculentum* Mill.) (Weerahewa D. & David D.) **43**: 273-280 (2015)

Preharvest and postharvest practices

Pre and postharvest practices for quality improvement of table grapes (*Vitis vinifera* L.) (Champa W.A.H.) **43**: 3-9 (2015)

Procrustean analysis

Application of clustering and ordination methods to determine the optimal plot size for vegetation sampling of a Sri Lankan dipterocarp forest (Wimalasena S.C.D., Wijekoon P., Fernando S.S. & Gunatilleke I.A.U.N.) **43**: 91-98 (2015)

Pruning

Pre and postharvest practices for quality improvement of table grapes (*Vitis vinifera* L.) (Champa W.A.H.) **43**: 3-9 (2015)

Pteridophyte taxa

Ornamental pteridophytes: an underexploited opportunity for the Sri Lankan floriculture industry (Ranil R.H.G., Beneragama C.K., Pushpakumara D.K.N.G. & Wijesundara D.S.A.) **43**: 293-301 (2015)

RAINS-ASIA

Model assessment of acid deposition potential by SO_x in Sri Lanka (Ileperuma O.A.) **43**: 281-287 (2015)

Receiving operating characteristic (ROC) curve

Simulation study of a novel method for comparing more than two independent receiver operating characteristic (ROC) curves based on the area under the curves (AUCs) (Meyen A.N. & Sooriyarachchi M.R.) **43**: 357-367 (2015)

Respiration

Major determinants of fruit set and yield fluctuation in coconut (*Cocos nucifera* L.) (Ranasinghe C.S., Silva L.R.S. & Premasiri R.D.N.) **43**: 253-264 (2015)

Rhiphicephalus

Diversity and distribution of tick species infesting goats with two new host records from Sri Lanka (Diyes G.C.P. & Rajakaruna R.S.) **43**: 225-234 (2015)

Road traffic noise

Traffic composition and variability of road traffic noise levels in the vicinity of Colombo, Sri Lanka (Kalansuriya C.M., Pannila A.S. & Sonnadara D.U.J.) **43**: 135-140 (2015)

Routing

Using animal communication strategy (ACS) for MANET routing (Manimegalai T., Jayakumar C. & Gunasekaran G.) **43**: 199-208 (2015)

Saccharomyces cerevisiae

ACE-inhibitory activity of milk fermented with *Saccharomyces cerevisiae* K7 and *Lactococcus lactis* subsp. *lactis* NBRC 12007 (Rasika D.M.D., Ueda T., Jayakody L.N., Suriyagoda L.D.B., Silva K.F.S.T., Ando S. & Vidanarachchi J.K.) **43**: 141-151 (2015)

Salicylic acid

Pre and postharvest practices for quality improvement of table grapes (*Vitis vinifera* L.) (Champa W.A.H.) **43**: 3-9 (2015)

Santalaceae

Confirmation of morphophysiological dormancy in sandalwood (*Santalum album*, Santalaceae) seeds (Jayawardena M.M.D.M., Jayasuriya K.M.G.G. & Walck J.L.) **43**: 209-215 (2015)

Santalum album

Confirmation of morphophysiological dormancy in sandalwood (*Santalum album*, Santalaceae) seeds (Jayawardena M.M.D.M., Jayasuriya K.M.G.G. & Walck J.L.) **43**: 209-215 (2015)

Santalum album

In vitro propagation of *Santalum album* L. (Peeris M.K.P. & Senarath W.T.P.S.K.) **43**: 265-272 (2015)

Score test

Simulation study of a novel method for comparing more than two independent receiver operating characteristic (ROC) curves based on the area under the curves (AUCs) (Meyen A.N. & Sooriyarachchi M.R.) **43**: 357-367 (2015)

Secondary metabolites

Two new antioxidant active polyketides from *Penicillium citrinum*, an endolichenic fungus isolated from *Parmotrema* species in Sri Lanka (Samanthi K.A.U., Wickramaarachchi S., Wijeratne E.M.K. & Paranagama P.A.) **43**: 119-126 (2015)

Sensory attributes

Developing a trained sensory panel for comparison of different brands of vanilla ice cream using descriptive sensory analysis (Hettiarachchi C.A. & Illeperuma D.C.K.) **43**: 45-55 (2015)

Silicon

Effect of silicon and potassium on tomato anthracnose and on the postharvest quality of tomato fruit (*Lycopersicon esculentum* Mill.) (Weerahewa D. & David D.) **43**: 273-280 (2015)

Skin fold thickness

Assessment of body composition of Sri Lankan Australian children using ethnic specific equations (Wickramasinghe V.P., Cleghorn G.J. & Davies P.S.W.) **43**: 111-118 (2015)

Soil application of Zn

Effect of Zn as soil addition and foliar application on yield and protein content of wheat in alkaline soil (Khattak S.G., Dominy P.J. & Ahmad W.) **43**: 303-312(2015)

Somatic embryogenesis

In vitro propagation of *Santalum album* L. (Peeris M.K.P. & Senarath W.T.P.S.K.) **43**: 265-272 (2015)

Spectral analysis

Interannual variability of precipitation in Sri Lanka (Jayawardene H.K.W.I., Jayewardene D.R. & Sonnadara D.U.J.) **43**: 75-82 (2015)

Sri Lanka

Diversity and distribution of tick species infesting goats with two new host records from Sri Lanka (Diyes G.C.P. & Rajakaruna R.S.) **43**: 225-234 (2015)

Sri Lanka

Ornamental pteridophytes: an underexploited opportunity for the Sri Lankan floriculture industry (Ranil R.H.G., Beneragama C.K., Pushpakumara D.K.N.G. & Wijesundara D.S.A.) **43**: 293-301 (2015)

Sri Lankan Australian children

Assessment of body composition of Sri Lankan Australian children using ethnic specific equations (Wickramasinghe V.P., Cleghorn G.J. & Davies P.S.W.) **43**: 111-118 (2015)

Sri Lankan flora

A review of studies on bioactive compounds isolated from Sri Lankan flora (Siriwardhana A., Wijesundara S. & Karunaratne V.) **43**: 11-33 (2015)

Suwandel

Effect of endophytic fungi on plant growth and blast disease incidence of two traditional rice varieties (Atugala D.M. & Deshapriya N.) **43**: 175-187 (2015)

Thermal decomposition

Improvement of thermal properties of poly (L-lactic acid) by blending with zinc lactate (Cai Y.H., Ren L.P. & Tang Y.) **43**: 247-252 (2015)

Thermophilic

The effect of cefazolin on biogas production from thermophilic and mesophilic anaerobic co-digestion of dairy manure and waste milk (Beneragama N., Iwasaki M., Lateef S.A. & Umetsu K.) **43**: 369-376 (2015)

Thilina

Effect of silicon and potassium on tomato anthracnose and on the postharvest quality of tomato fruit (*Lycopersicon esculentum* Mill.) (Weerahewa D. & David D.) **43**: 273-280 (2015)

Thin layer chromatography

Selected Sri Lankan food plants and other herbs as potential sources of inulin - type fructans (Mudannayake D.C., Wimalasiri K.M.S., Silva K.F.S.T. & Ajlouni S.) **43**: 35-43 (2015)

Traditional rice cultivation

Effect of endophytic fungi on plant growth and blast disease incidence of two traditional rice varieties (Atugala D.M. & Deshapriya N.) **43**: 175-187 (2015)

Traffic composition

Traffic composition and variability of road traffic noise levels in the vicinity of Colombo, Sri Lanka (Kalansuriya C.M., Pannila A.S. & Sonnadara D.U.J.) **43**: 135-140 (2015)

Transboundary pollution

Model assessment of acid deposition potential by SO_x in Sri Lanka (Illeperuma O.A.) **43**: 281-287 (2015)

Underdeveloped embryo

Confirmation of morphophysiological dormancy in sandalwood (*Santalum album*, Santalaceae) seeds (Jayawardena M.M.D.M., Jayasuriya K.M.G.G. & Walck J.L.) **43**: 209-215 (2015)

Valency change

Effect of pressure on the valency of cerium in cerium monochalcogenides and cerium monopnictides (Hossain M.T., Hannan A. & Parvin S.R.) **43**: 313-317 (2015)

Vanilla ice cream

Developing a trained sensory panel for comparison of different brands of vanilla ice cream using descriptive sensory analysis (Hettiarachchi C.A. & Illeperuma D.C.K.) **43**: 45-55 (2015)

Vehicle noise

Traffic composition and variability of road traffic noise levels in the vicinity of Colombo, Sri Lanka (Kalansuriya C.M., Pannila A.S. & Sonnadara D.U.J.) **43**: 135-140 (2015)

Vertex-degree

Computation of the different topological indices of nanostructures (Soleimani N., Nikmehr M.J. & Tavallaee H.A.) **43**: 127-133 (2015)

Viticulture

Pre and postharvest practices for quality improvement of table grapes (*Vitis vinifera* L.) (Champa W.A.H.) **43**: 3-9 (2015)

Wastewater

Toxicity assessment of industrial wastewaters reaching Dandugan Oya, Sri Lanka using a plant based bioassay (Kannangara D.N.M. & Pathiratne A.) **43**: 153-163 (2015)

Wavelet coherence

Modelling and analysis of dengue disease transmission in urban Colombo: a wavelets and cross wavelets approach (Wickramaarachchi W.P.T.M., Perera S.S.N. & Jayasinghe S.) **43**: 337-345 (2015)

Wavelet power spectrum

Modelling and analysis of dengue disease transmission in urban Colombo: a wavelets and cross wavelets approach (Wickramaarachchi W.P.T.M., Perera S.S.N. & Jayasinghe S.) **43**: 337-345 (2015)

Wind turbine control

Coordinated inertia response from permanent magnet synchronous generator (PMSG) based wind farms (Licari J. & Ekanayake J.) **43**: 347-355 (2015)

Wireless nodes

Using animal communication strategy (ACS) for MANET routing (Manimegalai T., Jayakumar C. & Gunasekaran G.) **43**: 199-208 (2015)

Zagreb indices

Computation of the different topological indices of nanostructures (Soleimani N., Nikmehr M.J. & Tavallaee H.A.) **43**: 127-133 (2015)

Zinc lactate

Improvement of thermal properties of poly (L-lactic acid) by blending with zinc lactate (Cai Y.H., Ren L.P. & Tang Y.) **43**: 247-252 (2015)

Zn effect on protein content

Effect of Zn as soil addition and foliar application on yield and protein content of wheat in alkaline soil (Khattak S.G., Dominy P.J. & Ahmad W.) **43**: 303-312 (2015)

Zn effect on yield

Effect of Zn as soil addition and foliar application on yield and protein content of wheat in alkaline soil (Khattak S.G., Dominy P.J. & Ahmad W.) **43**: 303-312 (2015)