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Rhizobial inoculation of *Trifolium repens* L. in Sri Lanka (Kulasooriya S.A., Ekanayake E.M.H.G.S., Kumara R.K.G.K. & Bandara A.M.S.) **45**: 361-366 (2017)

Numerical solution

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Nymphaea nouchali

A taxonomic synopsis of *Nymphaea nouchali* Burm. f. and infraspecific taxa (Guruge S., Yakandawala D. & Yakandawala K.) **45**: 307-318 (2017)

Nymphaea nouchali

The identity of the violet flowered water lily (Nymphaeaceae) and its hybrid origin in the wetland ecosystems of Sri Lanka (Yakandawala D., Guruge S. & Yakandawala K.) **45**: 381-392 (2017)

Obstacle problem

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Oryza

The molecular evolution of *Ghd7* orthologs is not in line with the speciation events in genus *Oryza* (Nagalla A.D., Jayatilake D.V., Herath V. & Wickramasinghe M.) **45**: 229-237 (2017)

***OsPupK20-2* DNA**

DNA sequence polymorphism of *Pup1* linked *K20-1* STS region can be effectively used in molecular breeding of rice for phosphorus deficiency tolerance (Aluwihare Y.C., Chamikara M.D.M., Dissanayake D.R.R.P., Dissanayake M.D.M.I.M., Karannagoda N.N.H., Dayananda A.G.M.L.K., Sirisena D.N., Samarasinghe W.L.G., Rajapakse R.G.S.C. & Sooriyapathirana S.D.S.S.) **45**: 413-425 (2017)

Pasture legume

Rhizobial inoculation of *Trifolium repens* L. in Sri Lanka (Kulasooriya S.A., Ekanayake E.M.H.G.S., Kumara R.K.G.K. & Bandara A.M.S.) **45**: 361-366 (2017)

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Phosphates

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Phosphorus deficiency tolerance

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Aerodynamics and right-left symmetry in wind dispersal of maple, dipterocarps, conifers and some genera of apocyanaceae and magnoliaceae (Tennakone K.) **45**: 201-217 (2017)

Polycyclic aromatic hydrocarbon

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Genetic diversity and population structure of the threatened temperate woody bamboo *Kuruna debilis* (Poaceae: Bambusoideae: Arundinarieae) from Sri Lanka based on microsatellite analysis (Attigala L., Gallaher T., Nason J. & Clark L.G.) **45**: 53-65 (2017)

Porous resin

Synthesis of novel porous tannin-phenol-formaldehyde cation exchange resin from *Terminalia arjuna* (Kumbuk) (Sumathirathne L.D. & Karunanayake L.) **45**: 219-227 (2017)

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Principal component analysis (PCA)

Genetic variation, character association and evaluation of mungbean genotypes for agronomic and yield components (Perera U.I.P., Chandika K.K.J. & Ratnasekera D.) **45**: 347-353 (2017)

Proanthocyanidin

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PSNR

Trigonometric spline for medical image interpolation (Abbas S., Hussain M.Z. & Irshad M.) **45**: 33-40 (2017)

Pup1

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Indexing for semantic cache to reduce query matching complexity (Ahmad M., Qadir M.A. & Ali T.) **45**: 13-22 (2017)

Ramsey theory

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Effect of polymerisation current density of electrodes on the performance of polypyrrole based redox-capacitor (Weerasinghe W.A.D.S.S., Vidanapathirana K.P., Perera K.S. & Bandaranayake C.M.) **45**: 73-77 (2017)

Regeneration

Arbuscular mycorrhizal fungal dynamics following change of land use from mature forest to *Eucalyptus* plantation (Edirisinghe C. & Madawala S.) **45**: 321-328 (2017)

Regeneration

Responses of explant type of wheat (*Triticum aestivum* L.) genotypes to different tissue culture media (Mahmood I. & Razzaq A.) **45**: 265-271 (2017)

Retting

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Development of a Sri Lankan rice variety Bg 94-1 harbouring *cry2A* gene of *Bacillus thuringiensis* resistant to rice leaffolder [*Cnaphalocrocis medinalis* (Guenée)] (Gunasekara J.M.A., Jayasekera G.A.U., Perera K.L.N.S. & Wickramasuriya A.M.) **45**: 143-157 (2017)

Rice

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DNA sequence polymorphism of *Pup1* linked *K20-1* STS region can be effectively used in molecular breeding of rice for phosphorus deficiency tolerance (Aluwihare Y.C., Chamikara M.D.M., Dissanayake D.R.R.P., Dissanayake M.D.M.I.M., Karannagoda N.N.H., Dayananda A.G.M.L.K., Sirisena D.N., Samarasinghe W.L.G., Rajapakse R.G.S.C. & Sooriyapathirana S.D.S.S.) **45**: 413-425 (2017)

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S. maltophilia

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Seed aerodynamics

Aerodynamics and right-left symmetry in wind dispersal of maple, dipterocarps, conifers and some genera of apocyanaceae and magnoliaceae (Tennakone K.) **45**: 201-217 (2017)

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Synthesis of novel porous tannin-phenol-formaldehyde cation exchange resin from *Terminalia arjuna* (Kumbuk) (Sumathirathne L.D. & Karunanayake L.) **45**: 219-227 (2017)

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Semi-variogram

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Separation zone

Effect of T-shaped spur dike on flow separation in a 90° bend using SSIIM model (Vaghefi M., Safarpour Y. & Hashemi S.S.) **45**: 159-168 (2017)

Shoot explants

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Soil erosion

Morphometric analysis of watersheds in *Kelani* river basin for soil and water conservation (Kottagoda S.D. & Abeysingha N.S.) **45**: 273-285 (2017)

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Somatic embryogenesis

Responses of explant type of wheat (*Triticum aestivum* L.) genotypes to different tissue culture media (Mahmood I. & Razzaq A.) **45**: 265-271 (2017)

Specific capacity

Effect of polymerisation current density of electrodes on the performance of polypyrrole based redox-capacitor (Weerasinghe W.A.D.S.S., Vidanapathirana K.P., Perera K.S. & Bandaranayake C.M.) **45**: 73-77 (2017)

Speck

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Arbuscular mycorrhizal fungal dynamics following change of land use from mature forest to *Eucalyptus* plantation (Edirisinghe C. & Madawala S.) **45**: 321-328 (2017)

Sri Lanka

First record of a tear-drinking stingless bee *Lisotrigona cacciae* (Nurse) (Hymenoptera: Apidae: Meliponini), from the central hills of Sri Lanka (Karunaratne W.A.I.P., Edirisinghe J.P. & Engel M.S.) **45**: 79-81 (2017)

Sri Lanka

Genetic diversity and population structure of the threatened temperate woody bamboo *Kuruna debilis* (Poaceae: Bambusoideae: Arundinarieae) from Sri Lanka based on microsatellite analysis (Attigala L., Gallaher T., Nason J. & Clark L.G.) **45**: 53-65 (2017)

SSIIM model

Effect of T-shaped spur dike on flow separation in a 90° bend using SSIIM model (Vaghefi M., Safarpoor Y. & Hashemi S.S.) **45**: 159-168 (2017)

SSIM

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SSR markers

Morphological, SSR and ISSR marker based genetic diversity assessment of mountain papaya germplasm in comparison with *Carica papaya* (Warnakula W.A.D.L.R., Kottearachchi N.S. & Yakandawala K.) **45**: 255-264 (2017)

Stingless bees

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Submergence

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Sulfonation

Synthesis of novel porous tannin-phenol-formaldehyde cation exchange resin from *Terminalia arjuna* (Kumbuk) (Sumathirathne L.D. & Karunanayake L.) **45**: 219-227 (2017)

Support vector machine

Use of artificial neural networks and support vector machines to predict lacking traffic survey data (Siddiquee M.S.A. & Udagepola K.P.) **45**: 239-246 (2017)

Surface sterilisation

In vitro clonal propagation of *Coscinium fenestratum* (Gertn.) Colebr. (Weniwel) through nodal explants (Warakagoda P.S., Subasinghe S. & Gunasekare M.T.K.) **45**: 133-141 (2017)

Synteny

The molecular evolution of *Ghd7* orthologs is not in line with the speciation events in genus *Oryza* (Nagalla A.D., Jayatilake D.V., Herath V. & Wickramasinghe M.) **45**: 229-237 (2017)

System of boundary value problem

A study of obstacle problems using homotopy perturbation method (Qureshi M.I., Hashmi M.A., Ziauddin & Iqbal S.) **45**: 337-346 (2017)

Syzygium samarangense

Quantitative measurement of bioactive compounds from leaves of *Syzygium samarangense* with antioxidant efficacy (Majumder R., Alam M.B., Chowdhury S.T., Bajpai V.K. & Shukla S.) **45**: 169-178 (2017)

T-shaped spur dike

Effect of T-shaped spur dike on flow separation in a 90° bend using SSIIM model (Vaghefi M., Safarpoor Y. & Hashemi S.S.) **45**: 159-168 (2017)

Tannin of *Terminalia arjuna*

Synthesis of novel porous tannin-phenol-formaldehyde cation exchange resin from *Terminalia arjuna* (Kumbuk) (Sumathirathne L.D. & Karunanayake L.) **45**: 219-227 (2017)

Template matching

Visual alignment of arteries in coronary cine-angiogram using global motion stabilisation approach (Kulathilake K.A.S.H., Ranathunga L., Constantine G.R. & Abdullah N.A.) **45**: 41-51 (2017)

Totipotency

Responses of explant type of wheat (*Triticum aestivum* L.) genotypes to different tissue culture media (Mahmood I. & Razzaq A.) **45**: 265-271 (2017)

Traffic data prediction

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Transformation

Development of a Sri Lankan rice variety Bg 94-1 harbouring *cry2A* gene of *Bacillus thuringiensis* resistant to rice leaffolder [*Cnaphalocrocis medinalis* (Guenée)] (Gunasekara J.M.A., Jayasekera G.A.U., Perera K.L.N.S. & Wickramasuriya A.M.) **45**: 143-157 (2017)

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Trigonometric spline for medical image interpolation (Abbas S., Hussain M.Z. & Irshad M.) **45**: 33-40 (2017)

Vessel alignment

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Violet water lily

The identity of the violet flowered water lily (Nymphaeaceae) and its hybrid origin in the wetland ecosystems of Sri Lanka (Yakandawala D., Guruge S. & Yakandawala K.) **45**: 381-392 (2017)

Visual correlation

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Vitamin A deficiency

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WFRM

Control failure of Sri Lankan whitefly (*Bemisia tabaci* Genn.) is due to high resistance development against recommended insecticides (Marasinghe J.P., Hemachandra K.S., Nugaliyadde L. & Karunaratne S.H.P.P.) **45**: 23-31 (2017)

White clover

Rhizobial inoculation of *Trifolium repens* L. in Sri Lanka (Kulasooriya S.A., Ekanayake E.M.H.G.S., Kumara R.K.G.K. & Bandara A.M.S.) **45**: 361-366 (2017)

WPM medium

In vitro clonal propagation of *Coscinium fenestratum* (Gertn.) Colebr. (Weniwel) through nodal explants (Warakagoda P.S., Subasinghe S. & Gunasekare M.T.K.) **45**: 133-141 (2017)

Yellow dwarf coconuts

Characterisation of Sri Lanka Yellow Dwarf Coconut (*Cocos nucifera* L.) by DNA fingerprinting with SSR markers (Kamara L.C.J., Perera S.A.C.N., Perera K.L.N.S. & Dassanayaka P.N.) **45**: 405-412 (2017)

Yield characteristics

Genetic variation, character association and evaluation of mungbean genotypes for agronomic and yield components (Perera U.I.P., Chandika K.K.J. & Ratnasekera D.) **45**: 347-353 (2017)