

AUTHOR INDEX - VOL 52 – 2024

Abayawansa KGR *see* Thilakarathne DS *et al.* (2024)

Abeyaweera ND, Sivaruban A, Muruganathan A & Amarasinghe KP - Russell's viper (*Daboia russelii*) in the Jaffna peninsula, Sri Lanka bears signatures of incipient genetic divergence from the South Indian population **52**: 199-214 (2024)

Abeykoon AI, Kumarasinghe KMN, Chandrasekharan NV & Wickramasinghe PMTB - Establishment and evaluation of real time PCR based SELEX platform for the identification of protein binding aptamers: A pilot study in Sri Lanka **52**: 493-500 (2024)

Abeynayake S *see* Prathibhani MR *et al.* (2024)

Ahamed J *see* Krishnaram N *et al.* (2024)

Alkan BB *see* Alkan N *et al.* (2024)

Alkan N, Pardo MC & Alkan BB - Comparison of methods for handling outliers in Cox regression model **52**: 59-68 (2024)

Amarasena MDMCK & Wijeyaratne WMDN - Bioaccumulation and health risks of chromium and cadmium in *Basella alba* with emphasis on Urea, muriate of potash and triple super phosphate mixtures **52**: 371-383 (2024)

Amarasinghe ADI, Wijewickrama DIH, De Fonseka IS, Lawanya MAD, Fernando WNS, Wishwanthi DAD, Senanayake G, Pushpakumara S & Ediri Arachchi WM - Structural brain network topology in migraine vs. healthy subjects: A graph theory study **52**: 321-330 (2024)

Amarasinghe KP *see* Abeyaweera ND *et al.* (2024)

Amirah Saeed Alharthi *see* Azam Zaka *et al.* (2024)

Anita CS *see* Sudharson K *et al.* (2024)

Arivazhagan S *see* Priyadarshi RA *et al.* (2024)

Athapaththu AMKB *see* Fernando M *et al.* (2024)

Athapaththu AMKB *see* Krishnaram N *et al.* (2024)

Athapaththu AMSLK *see* Ranasinghe R *et al.* (2024)

Attygalle DT *see* Deshani KAD *et al.* (2024)

Azad R *see* Prathibhani MR *et al.* (2024)

Azam Zaka, Riffat Jabeen, Amirah Saeed Alharthi & Hassan M. Aljohani - The modified control charts for monitoring the error detection of process control under different estimators **52**: 17-34 (2024)

Aziz U *see* Khan H *et al.* (2024)

Babu G *see* Sudharson K *et al.* (2024)

Balasoorya D *see* Edirisinghe JC *et al.* (2024)

Bandara CS *see* Perera RGSS *et al.* (2024)

Bandara RMVV *see* Ranasinghe R *et al.* (2024)

Bandara TMWJ *see* Kumara GRA *et al.* (2024)

Bandularathne AMNN *see* Samarakoon SMTM *et al.* (2024)

Buddhika PRM *see* Gunathilake SP *et al.* (2024)

Chamath LG, Srima LKT, Sewvandi GA, Gallage R & Epaarachchi J - Optimizing the alkaline concentration for coir fibre treatment and estimation of lifetime **52**: 515-525 (2024)

Chaminda SP *see* Kanagasundaram G *et al.* (2024)

Chandrasekharan NV *see* Abeykoon AI *et al.* (2024)

Chen Bin, Quan YuXuan, Liu Ge, Li JianZhong, Nie GaoXing, Zhang YongChang, Shan ChenZe, Chen JunSen, Chen Rui, Chen Xi & Zhang MengWei - Predicting water content in engine oil using SPA-ISSA-BP methods **52**: 359-370 (2024)

Chen JunSen *see* Chen Bin *et al.* (2024)

Chen Rui *see* Chen Bin *et al.* (2024)

Chen Xi *see* Chen Bin *et al.* (2024)

Dammika AJ *see* Perera RGSS *et al.* (2024)

Dammika AJ *see* Rathnasiri SC *et al.* (2024)

- Darshana KKN *see* Kalansuriya CM *et al.* (2024)
- Dassanayake ABN *see* Kanagasundaram G *et al.* (2024)
- Dassanayake BS *see* Gurunanthanan V *et al.* (2024)
- Daundasekera WB *see* Gnanapragasam SR & Daundasekera WB (2024)
- De Fonseka IS *see* Amarasinghe ADI *et al.* (2024)
- Deshani KAD, Attygalle DT & Hansen LL - Two level neuro-functional forecaster: A novel dynamic hybridization for functional data forecasting **52**: 81-91 (2024)
- Desikan K *see* Sarkarai D & Desikan K (2024)
- Dharmaratne PD *see* Malkanthi SN *et al.* (2024)
- Ediri Arachchi WM *see* Amarasinghe ADI *et al.* (2024)
- Edirisinghe JC, Ranjan H, Herath HMLK, Jayasinghe-Mudalige UK, Wijeratne M, Kuruppu V, Jayathilake C, Wijesuriya W, Somarathna K, Karunaratne S, Jayawardana S, Gunathilaka D & Balasooriya D - Impact of climate on tea yield: an empirical investigation from Sri Lanka **52**: 183-190 (2024)
- Epaarachchi J *see* Chamath LG *et al.* (2024)
- Faour A *see* Kasap P & Faour A (2024)
- Fernando HNS *see* Terensan S *et al.* (2024)
- Fernando M, Sandaruwan KD & Athapaththu AMKB - Evaluation of Taekwondo Poomsae movements using skeleton points † **52**: 143-156 (2024)
- Fernando WNS *see* Amarasinghe ADI *et al.* (2024)
- Gadiarachchi HW *see* Kumara GRA *et al.* (2024)
- Galabada H *see* Malkanthi SN *et al.* (2024)
- Gallage R *see* Chamath LG *et al.* (2024)
- Gamage BYI *see* Thilakarathne DS *et al.* (2024)
- Gayanjalee DA *see* Gunathilake SP *et al.* (2024)
- Geekiyanage S *see* Prathibhani MR *et al.* (2024)
- Gnanapragasam SR & Daundasekera WB - Meta-heuristic method to schedule vehicle routing with moving shipments at the cross-docking facility **52**: 169-181 (2024)
- Gunathilaka D *see* Edirisinghe JC *et al.* (2024)
- Gunathilake SP, Gayanjalee DA, Prathiraja DAS, Buddhika PRM, Weerathilake WADV & Rasika DMD - A preliminary study on milk composition of three buffalo breeds located in Polonnaruwa, Sri Lanka **52**: 103-111 (2024)
- Gunawardana WSN *see* Thilakarathne DS *et al.* (2024)
- Gurunanthanan V, Wijayarathne KB, Dassanayake BS, Mantilaka PG & Perera CS - Effective removal of Pb(II) ions using Fe₃O₄/MgO adsorbent: A comprehensive study **52**: 385-400 (2024)
- Hansen LL *see* Deshani KAD *et al.* (2024)
- Hassan M. Aljohani *see* Azam Zaka *et al.* (2024)
- Herath HMLK *see* Edirisinghe JC *et al.* (2024)
- Hewavitharana KHIK *see* Keerthana J *et al.* (2024)
- Jayarathne DC *see* Kalansuriya CM *et al.* (2024)
- Jayasekara L *see* Prathibhani MR *et al.* (2024)
- Jayasinghe JASC *see* Perera RGSS *et al.* (2024)
- Jayasinghe JASC *see* Rathnasiri SC *et al.* (2024)
- Jayasinghe-Mudalige UK *see* Edirisinghe JC *et al.* (2024)
- Jayathilake C *see* Edirisinghe JC *et al.* (2024)
- Jayawardana S *see* Edirisinghe JC *et al.* (2024)

- Jayawardena CL *see* Kanagasundaram G *et al.* (2024)
- Jayawardene CJ, Navaratna WCW & Senadheera JN - All Ramsey critical graphs for large cycles vs a complete graph of order six **52**: 113-123 (2024)
- K Sudharson, Babu G, Santhiya R & Anita CS - Enhanced privacy-preserving federated convivial learning for internet of medical things (IoMT) through blockchain-enabled trust Q-learning **52**: 501-514 (2024)
- Kalansuriya CM, Weerasingha RM, Jayaratne DC & Darshana KKN - Determination of noise level and acoustic analysis of toys for children in Sri Lanka market **52**: 191-197 (2024)
- Kalupahana RS *see* Thilakarathne DS *et al.* (2024)
- Kanagasundaram G, Dassanayake ABN, Jayawardena CL & Chaminda SP - Quantifying the relationship between uniaxial compressive strength and slake durability index in gneiss rocks: an experimental approach **52**: 243-255 (2024)
- Karunarathne DGBC *see* Kumara GRA *et al.* (2024)
- Kasap P & Faour AO - Maximum likelihood estimation for the two-parameter Maxwell distribution **52**: 441-458 (2024)
- Keerthana J, Hewavitharana KHIK & Wijesekara KB - Synthesis and characterization of biocomposite of bovine bone- based hydroxyapatite-poly (lactic acid)-maleic anhydride **52**: 271-279 (2024)
- Khan H, Aziz U, Koreshi ZU & Sheikh SR - Optimal fissile distribution in multiplying systems: Illustrative examples with Monte Carlo simulation and Pontryagin's maximum principle **52**: 69-80 (2024)
- Khazeema Yousaf, Zernish Shabbir, Rasheeda Bashir, Syed Mohsin Raza, Saiqa Ilyas & Rukhama Haq - Prevalence and in silico analysis of p.D658G variant of WDR36 gene in patients affected with primary open angle glaucoma from Punjab Pakistan **52**: 35-44 (2024)
- Kodikara KAS *see* Samarakoon SMTM *et al.* (2024)
- Koreshi ZU *see* Khan H *et al.* (2024)
- Kottawatta KSA *see* Thilakarathne DS *et al.* (2024)
- Kottearachchi NS *see* Terensan S *et al.* (2024)
- Krishnaram N, Ahamed J, Sathyamoorthy N, Sandaruwan KD & Athapaththu AMKB - Skeletal point analysis to determine the accuracy of forehand smash shots played by badminton players † **52**: 125-142 (2024)
- Kumara GRA, Medagedara ADT, Gadiarachchi HW, Karunarathne DGBC, Tennakone K, Rajapakse RMG & Bandara TMWJ - An electrical double-layer supercapacitor based on a biomass-activated charcoal electrode and ionic liquid with excellent charge-discharge cycle stability **52**: 331-341 (2024)
- Kumarasinghe KMN *see* Abeykoon AI *et al.* (2024)
- Kuruppu V *see* Edirisinghe JC *et al.* (2024)
- Lawanya MAD *see* Amarasinghe ADI *et al.* (2024)
- Li JianZhong *see* Chen Bin *et al.* (2024)
- Liu Ge *see* Chen Bin *et al.* (2024)
- Madarasinghe SK *see* Samarakoon SMTM *et al.* (2024)
- Malkanathi SN, Sathsara KGK, Dharmaratne PD & Galabada H - Proposed mix design improvements of compressed stabilized earth blocks (CSEB) with particle packing optimization and coir reinforcement **52**: 159-167 (2024)
- Mantilaka PG *see* Gurunathanan V *et al.* (2024)
- Medagedara ADT *see* Kumara GRA *et al.* (2024)
- Mendis MJL- Cycle structures with more than three nontrivial cycles of automorphisms of Latin squares **52**: 413-416 (2024)
- Murugananthan A *see* Abeyaweera ND *et al.* (2024)
- Mythili C *see* Ponram P *et al.* (2024)
- Navaratna WCW *see* Jayawardene CJ *et al.* (2024)
- Nie GaoXing *see* Chen Bin *et al.* (2024)
- Pardo MC *see* Alkan N *et al.* (2024)
- Perera CS *see* Gurunathanan V *et al.* (2024)

- Perera RGSS, Ruwanmali JHA, Thevega T, Jayasinghe JASC, Bandara CS & Dammika AJ - Thermal performance of glass facade under fire loading: a numerical approach **52**: 229-241 (2024)
- Ponram P, Mythili C, Selvakumar NC & Selwyn J Kumar A - Ergonomic assessment and gait analysis of a knee joint model with an active spring-reinforced centrally-rollable knee bypass support system **52**: 257-269 (2024)
- Prathibhani MR, Azad R, Ranaweera S, Jayasekara L, Ranawaka RAAK, Senanayake G, Abeynayake S & Geekiyanage S - Variation in plant morphology and leaf essential oil composition of a representative *Cinnamomum verum* collection from Sri Lanka† **52**: 3-16 (2024)
- Prathiraja DAS *see* Gunathilake SP *et al.* (2024)
- Priyadharshi RA, Arivazhagan S & Ramajeyam K- Unveiling the depths of underwater image enhancement with spatial blended CNN: Diving into clarity **52**: 527-540 (2024)
- Pushpakumara S *see* Amarasinghe ADI *et al.* (2024)
- Qin X *see* Wang Y *et al.* (2024)
- Quan YuXuan *see* Chen Bin *et al.* (2024)
- Rajapakse RMG *see* Kumara GRA *et al.* (2024)
- Ramajeyam K *see* Priyadharshi RA *et al.* (2024)
- Ranasinghe C *see* Rangala H *et al.* (2024)
- Ranasinghe R, Bandara RMVV & Athapaththu AMSLK -Symmetric encryption using snake graphs and supermagic covering **52**: 435-440 (2024)
- Ranawaka RAAK *see* Prathibhani MR *et al.* (2024)
- Ranawake AL & Shyamalee HAPA - Genetic diversity analysis of traditional and improved rice genotypes in Sri Lanka **52**: 215-227 (2024)
- Ranawake AL *see* Shyamalee HAPA & Ranawake AL (2024)
- Ranaweera S *see* Prathibhani MR *et al.* (2024)
- Ranaweera S *see* Prathibhani MR *et al.* (2024)
- Rangala H, Samaraweera S, Sandaruwan KD, Weerasinghe TA & Ranasinghe C - Athlete body power and strength estimation using skeleton point cloud **52**: 481-492 (2024)
- Ranjan H *see* Edirisinghe JC *et al.* (2024)
- Rasheeda Bashir *see* Khazeema Yousaf *et al.* (2024)
- Rasika DMD *see* Gunathilake SP *et al.* (2024)
- Rathnasiri SC, Jayasinghe JASC & Dammika AJ - Simplification of large-scale solid element model for seismic structural response analysis of buildings **52**: 469-480 (2024)
- Riffat Jabeen *see* Azam Zaka *et al.* (2024)
- Rukhama Haq *see* Khazeema Yousaf *et al.* (2024)
- Ruwanmali JHA *see* Perera RGSS *et al.* (2024)
- Saiqa Ilyas *see* Khazeema Yousaf *et al.* (2024)
- Samarakoon SMTM, Thilakarathne NDS, Wijayathilaka HD, Bandularathne AMNN, Madarasinghe SK & Kodikara KAS - Estimating plant dominance using field-measured structural parameters and remotely sensed data; A case study from Rekawa mangrove forest, southern coast of Sri Lanka **52**: 459-468 (2024)
- Samaraweera S *see* Rangala H *et al.* (2024)
- Sandaruwan KD *see* Fernando M *et al.* (2024)
- Sandaruwan KD *see* Krishnaram N *et al.* (2024)
- Sandaruwan KD *see* Rangala H *et al.* (2024)
- Santhiya R *see* Sudharson K *et al.* (2024)
- Sarkarai D & Desikan K - Computational analysis of diameter eccentricity based and hyper diameter eccentricity based indices for linear saturated monocarboxylic acids **52**: 311-320 (2024)
- Sathsara KGK *see* Malkanthi SN *et al.* (2024)
- Sathyamoorthy N *see* Krishnaram N *et al.* (2024)
- Selvakumar NC *see* Ponram P *et al.* (2024)

- Selwyn J Kumar A *see* Ponram P *et al.* (2024)
- Senadheera JN *see* Jayawardene CJ *et al.* (2024)
- Senanayake G *see* Amarasinghe ADI *et al.* (2024)
- Senanayake G *see* Prathibhani MR *et al.* (2024)
- Sewvandi GA *see* Chamath LG *et al.* (2024)
- Shan ChenZe *see* Chen Bin *et al.* (2024)
- Sharma N *see* Soni A & Sharma N (2024)
- Sheikh SR *see* Khan H *et al.* (2024)
- Shyamalee HAPA & Ranawake AL - Path coefficient analysis using traditional and improved rice genotypes for trait effect on grain yield **52**: 93-102 (2024)
- Shyamalee HAPA *see* Ranawake AL & Shyamalee HAPA (2024)
- Silva JN *see* Terensan S *et al.* (2024)
- Sivaruban A *see* Abeyaweera ND *et al.* (2024)
- Somarathna K *see* Edirisinghe JC *et al.* (2024)
- Soni A & Sharma N - An efficient and improved algorithm for generating an equivalent planar architecture of the data vortex switch **52**: 400-412 (2024)
- Srimal LKT *see* Chamath LG *et al.* (2024)
- Syed Mohsin Raza *see* Khazeema Yousaf *et al.* (2024)
- Tennakone K *see* Kumara GRA *et al.* (2024)
- Terensan S, Weerasena OVDSJ, Kottearachchi NS, Silva JN & Fernando HNS - Influence of cultivar selection on blast and brown spot diseases in rice: Molecular screening of blast resistance genes **52**: 343-358 (2024)
- Thevega T *see* Perera RGSS *et al.* (2024)
- Thilakaratne DS, Gamage BYI, Kottawatta KSA, Abayawansa KGR, Kalupahana RS & Gunawardana WSN -Decadal trends in antimicrobial susceptibility of *Escherichia coli* and *Salmonella* spp. in chicken from small-scale farm shops in Kandy district, Sri Lanka **52**: 419-433 (2024)
- Thilakaratne NDSD *see* Samarakoon SMTM *et al.* (2024)
- Thilakasiri S *see* Wang Y *et al.* (2024)
- Thiruchelvan N, Casonato S, Mikunthan G, Condron LM, Moukarzel R & Kularathna M - Prevalence and abundance of plant-parasitic nematodes associated with corn (*Zea mays* L.) in Anuradhapura, Sri Lanka **52**: 299-309 (2024)
- Thiruvaran T - Construction of an effective telephone bandwidth specifically for speaker recognition **52**: 283-298 (2024)
- Vidurapriya D *see* Wang Y *et al.* (2024)
- Wang Y, Vidurapriya D, Qin X & Thilakasiri S - The microstructure and the behaviour of low organic clayey soils in Sri Lanka **52**: 45-58 (2024)
- Weerasena OVDSJ *see* Terensan S *et al.* (2024)
- Weerasingha RM *see* Kalansuriya CM *et al.* (2024)
- Weerasinghe TA *see* Rangala H *et al.* (2024)
- Weerathilake WADV *see* Gunathilake SP *et al.* (2024)
- Wickramasinghe PMTB *see* Abeykoon AI *et al.* (2024)
- Wickramasinghe PMTB *see* Abeykoon AI *et al.* (2024)
- Wijayarathne KB *see* Gurunanthanan V *et al.* (2024)
- Wijayathilaka HD *see* Samarakoon SMTM *et al.* (2024)
- Wijeratne M *see* Edirisinghe JC *et al.* (2024)
- Wijesekara KB *see* Keerthana J *et al.* (2024)
- Wijesuriya W *see* Edirisinghe JC *et al.* (2024)
- Wijewickrama DIH *see* Amarasinghe ADI *et al.* (2024)
- Wijeyaratne WMDN *see* Amarasinghe ADI & Wijeyaratne WMDN (2024)
- Wishwanthi DAD *see* Amarasinghe ADI *et al.* (2024)

Zernish Shabbir *see* Khazeema Yousaf *et al.* (2024)

Zhang MengWei *see* Chen Bin *et al.* (2024)

Zhang YongChang *see* Chen Bin *et al.* (2024)