

Review Articles

- The effects of heifer growth on milk production and efficiency
¹Prasanta Boro, ²Binoy Chandra Naha, ¹Ambadas Rakhmaji Madkar, ³Deep Prakash Saikia, ⁴Chandra Prakash, ¹Asu Singh Godara, ¹Sarada Prasanna Sahoo, ⁵Jyoti Patel & ⁵Jharna Chandrakar..... 220-227
- An overview of zinc transport in living organism
¹Shagufta Nahid, ²Mushtaque Ahmad & ¹Arif Ali 228-234

Research Articles

- Differential expression analysis of gibberellin-induced stalk elongation genes in sugarcane (saccharum hybrid) by different technologies
¹Jian-Ming Wu, ^{1*}Yang-Rui Li, ^{2*}Li-Tao Yang, ¹Xing Huang, ¹Li-Hang Qiu, ²Qiang Li, ¹Liu Yang, ¹Huan-Zhong Song 235-243
- Assessment of genetic variability in traditional rice varieties based on agro-morphological traits and iron-zinc content for crop improvement
^{*}Umadevi, M., Sarawathi, R., Shanthi, P., Suresh, R., Sanjeeva Rao, D. & Rajendran, R..... 244-250
- Chirata (Swertia chirayita Roxb. ex Fleming) in Alpine Zone of Kumaun Himalaya: A Study of the Khalia top Meadows
^{*}Megha Bora & Vir Singh 251-254
- Effect of integrated nutrient management on yield and economics of mustard
¹Ram Laxhan Pal and ²Jagannath Pathak..... 255-261
- Response of bt cotton (Gossypium hirsutum) to foliar nutrition in irrigated ecosystem
^{1*}Basavanneppa, M.A., ²Ajayakumar, M.Y. & ²Chittapur, B.M. 262-264
- Rainy season and physico-chemical properties of mosquito breeding habitats stimulate the prevalence of Aedes aegypti in Old Dhaka City, Bangladesh
¹Afroza Sultana, ²Sharmin Hasan, ³Magfur Raheman & ⁴Mohammad Al Mamun 265-272
- Influence of boron seed treatment on seed germination, seedling length and seedling vigor in sunflower (Helianthus annuus L.)
^{*}Prathima, A.S., Rohini N Meti, Shivaramu, H.S. 273-276
- Molecular variability in Pongamia ecotypes From North Karnataka, India
¹Vinod Kumar Patil, ²Ravi Ranjan Kumar & ^{1*}Naik, G.R. 277-285
- Response of Bt cotton to site specific nutrient management in irrigated ecosystem
¹Basavanneppa, M. A., ²Biradar, D. P., ³Aladakatti, Y.R. & ⁴Satyanarayan, T. 286-290
- Integrated nutrient management on growth and yield of African marigold (Tagetes erecta L.) Hybrid 1 3 grown as an intercrop in Grand Naine Banana
^{1*}Kabariel, J. ²Subramanian, S. & ³Kumar, M. 291-295
- Toxicity effect of calcium carbide on quantitative traits of the silkworm, Bombyx mori L.
^{1*}Shivkumar, ²Ramya, M.N. & ²Subramanya, G..... 296-302
- Induction of systemic resistance in tomato by endophytic microbial consortium against bacterial wilt pathogen Ralstonia solanacearum
Deepa James & Sally K. Mathew 303-309
- Genetic interrelationship among qualitative traits and yield in chilli (Capsicum annum L.) Genotypes
^{1*}Janaki, M., ²Venkata Ramana, C., ²Naram Naidu, L. & ³Paratpara Rao, M..... 310-315

Palaeoclimatic significance of thecamoebians from Yellandu Coalfield Area, Godavari Graben, Telangana State	
Seetharam, D.S. & *Ramakrishna H.	316-321
Effectiveness of induction training programme on knowledge levels of multi purpose extension officers (MPEOs) in Anantapur District of Andhra Pradesh	
¹ *Prasad Babu, G., ² Thimmappa, V., ² Adinarayana M., ³ John Sudheer, M. & ⁴ Vijayabhinandana, B...	322-326
Effect of weed management practices on growth and developmental indices of sunflower (<i>Helianthus annuus</i> L.)	
Rohini N. Meti, Geetha, K.N. & Prathima, A. S	327-331
Effect of modified atmosphere package on physico-chemical characteristics of 'balanagar' custard apple (<i>Annona squamosa</i> L.) Fruits stored at 15 ±1°C	
Venkatram, A., Bhagwan, A., Pratap, M. & Reddy, D.V.V.	332-338
A framework for modelling water quality and fish growth parameters in recirculating aquaculture system	
¹ Mohammad Tanveer, ² Sanjib Moulick & ³ Mukherjee, C.K.	339-343
Morphological characterization of yardlong bean– an under exploited vegetable	
¹ *Rambabu, E., ¹ Ravinder Reddy, K., ² Kamala, V., ¹ Saidaiiah, P. & ² Pandravada, S.R.	344-348
Screening of field bean genotypes for Dolichos Mosaic Virus resistance	
Renuka H.M., Ramappa H.K. & Pavithra, B.S.	349-351
Storage studies on knolkhol bulbs using diffusion channel technology	
Shilpa, K., Hanumantharaju, K.N., Arunkumar, H.S., Ramya, H.N. & Lakshmi R.	352-356
Ovipositional response of brown planthopper, <i>Nilaparvata lugens</i> (Stal.) To resistant rice genotypes	
¹ Archana Shori, ¹ Rana, D.K., ¹ Shimla Gupta & ² Poonam Kumari	357-359
Effect of stage of maturity on quality and shelf life of 'Punjab beauty' pears	
¹ Kirandeep Kaur & ² Dhillon, W.S.	360-363
Measurement of indoor radon concentration in the dwellings of Adwa, Ethiopia	
Asay Gidena & Bhardwaj M. K.	364-369
In silico analysis of single nucleotide polymorphism in bovine hsp90aa1 and HSP90AB1 transcripts	
¹ Himangshu Raj, ² Giasuddin Ahmed & ³ Devojoyoti Dutta	370-375
Effect of calcium nitrate and putrescine treatments on quality of pear fruits under low temperature conditions	
*Sonia, Gill, P.P.S. & Jawandha, S.K.	376-380
Attitude of agriculture college teachers towards educational technology	
¹ Prakash Sharanappa, ² Jyoti M. Deshmukh & ² Kamble, V.B.	381-386
A study of seasonal variations on productive performance of cross bred pigs in high range regions of Wayanad	
¹ *Kotresh Prasad, ² Raseel, K., ³ Sunanda, C. & ¹ John Abraham.....	387-389
Effect of seed priming on seed germination and vigour in turkey berry (<i>Solanum torvum</i> Sw.)	
Sarathkumar, A., Malarkodi, K. & Ananthi, M.....	390-393
An economic analysis of capture and culture fisheries activities in Gulbarga District of Karnataka	
¹ Gayatri, ² Mahajanshetti, S. B., ³ Sowmya, A.N., ⁴ Parvati & ⁵ Shreedevi Chadchal	394-399
Socio-economic characteristics of members of fisheries cooperatives and benefits derived from cooperatives	
¹ Gayatri, ² Mahajanshetti, S. B., ³ Sowmya, A.N., ⁴ Parvati & ⁵ Shreedevi Chadchal	400-404

Current scenario of rice diseases in Karnataka Chethana B.S., Deepak, C.A., Rajanna, M.P., Ramachandra, C. and Shivakumar, N.....	405-412
Seasonal variation in tissue biochemical composition of chocolate mahseer (<i>Neolissochilus hexagonolepis</i>) under the climatic condition of Meghalaya, India ¹ Lydia Booney Jyrwa & ² Rabindra Nath Bhuyan.....	413-415
Exerimental study of effect of shape and size of end sill on hydraulic energy dissipation behavior in inclined spillway. Shatruhan Jaiswal, *Vijay Kumar Singh, Bhagwat Saran	416-422
Effect of nipping on growth and yield of green bell pepper (<i>Capsicum annum</i> L. cv Goliath) in Iwollo, South-Eastern Nigeria. ¹ *Adinde, J.O., ² Uche, O.J., ³ Anieke, U.J., ⁴ Ukwuani, C.M., ² Agu, C.J., ³ Nwankwo, O.G., and ³ Ugwuanyi, P.O.	423-428
Comparative evaluation of some nutrient contents of <i>Moringa oleifera</i> leaves processed under three different drying methods; sun-drying, air-drying and oven-drying ¹ *Anieke, U.J., ¹ Nwankwo, O.G., ² Adinde, J.O., ³ Ukwuani, C.M., ⁴ Uche, O.J., ⁴ Agu, C.J., ¹ Ugwuanyi, P.O. and ⁴ Ozougwu, S.C.	429-432
Evaluation of some pesticide residues in imported fruits in Iraq by high-performance liquid chromatography ¹ Lamees Munef Abdul-Latef & ² Iyad Abdel-Muhsen.	433-437
Cashew export in before and after –liberalization period in India ¹ Nagaraju, Y., ² Basavaraj, B., ³ Keerthana Chandru & ⁴ Raghavendra, N.....	438-443
Soil organic carbon, biological properties and plant biomass as affected by application of organic manures in tea ¹ Uddipan Rajkonwar, ² *Bhabesh Gogoi & ³ Ahmed, S.	444-449
Micro-finance through integrated farming system for the vulnerable group of farmers in southern Karnataka ¹ Nagaraju, Y., ² Basavaraj, B. ³ Keerthana Chandru, & ⁴ Raghavendra, N.....	450-452

Case Study

Awareness of agriculture college teachers towards educational technology ¹ Prakash Sharanappa, ² Jyoti M. Deshmukh & ³ Sowmya, T.M.	483-458
Basin suspended sediment prediction using soft computing and conventional approaches in India ¹ Vijay Kumar Singh, ² Bhaskar Pratap Singh and ³ Vivekanand.	459-468
<i>Mycobacterium avium</i> Subsp. paratuberculosis infection in cattle: pathogenesis and diagnosis Sushil Kumar, *Ran Vir Singh, Anuj Chauhan, Subodh Kumar & Arvind Sonwane	469-476

Short Communication