

CONTENT

Title	Author	Page No.
Effect of organic and inorganic nutrient sources on soil physico-chemical and microbiological properties in cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.) under mid hills of Himachal Pradesh DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1524	K. Sharma, R. Kaushal, S. Sharma and M. Negi	1-6
Integrated implication of biofertilizers, trash mulching and chemical fertilizers on quality of sugarcane seed crop DOI : https://doi.org/10.22271/09746315.2022.v18.i1.1525	P. Vinayalakshmi, M. Martin Luther, M. Bharathalakshmi, Ch. Sujani Rao and V. Srinivasa Rao	7-13
Nutrient dynamics of China aster (<i>Callistephus chinensis</i>) cv. Kamini with organics, inorganic and biofertilizers DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1526	B. S. Marak and S. Kumar	14-19
Effect of growing media of serpentine layering on production of quality planting material of black pepper under Terai zone of West Bengal DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1527	A. Thapa, S. Datta, A. N. Dey, U. Rai and S. Tamang	20-25
Sustainable approach of mechanization in rice-potato cropping sequence: Redefining the need in Assam DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1528	S. Khandai, Vipin, B. Kumar, Vivek, B. S. Goswami, J. Minhas and K. Singh	26-31
Effect of nitrogen and zinc in nano forms on growth and productivity of potato (<i>Solanum tuberosum</i> L.) in inceptisols DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1529	S. Neogi and S. K. Das	32-38
Growth and profitability of cabbage under polyethylene mulch with spacing and N management in Terai region of West Bengal DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1530	T. Das And J. C. Jana	39-44
Impact of nutrients and biofertilizers on flowering in tomato under elevated CO ₂ induced high temperature condition DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1531	A. S. Arunima, R. V. Manju, M. M. Viji, S. Roy, S. Sarada and R. Beena	45-49
Effect of growing condition and mulching management for enhancing yield and quality of <i>Plectranthus vettiveroides</i> (K.C.Jacob) N. P. Singh and B.D. Sharma DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1532	P. V. Sindhu. and Dr. C. Beena	50-54

Title	Author	Page No.
Exploring alternative packaging materials for storing marigold strings DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1533	S. Dey, S. Chakrabarty and A. Hayat	55-63
Effect of different types of 8-HQC-based pulsing solutions on the post-harvest life of <i>Heliconia</i> flowers DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1534	A. Sarkar, M. Mandal, B. G. Kishore and B. Paramanik	64-70
Initial effect of conservation agriculture on the growth and yield attributes of maize and their correlation behavior with yield DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1535	D. Datta Ray, S. Bera, A. Ali, S. Mondal, T. Biswas, A. Baishya, S. Sarkar, R. Sadhukhan, S. Sarkar, P. Kumar	71-81
Effect of different packaging materials on the shelf life of dried red pepper (<i>Capsicum annum. L.</i>) stored in ambient conditions DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1536	A. Anjaneyulu and A. B. Sharangi	82-89
Evaluation of ber (<i>Zizyphus mauritiana</i> Lamk.) genotypes under Kymore Plateau Satpura Hill regions of Madhya Pradesh DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1537	R. K. Rai, C.S. Pandey, S. K. Pandey and R. Pal	90-95
Pollination characteristics and intervarietal hybridization of <i>Psidium guavaja</i> DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1538	T. Sarkar and S. K. Sarkar	96-103
Proximate and <i>in-vitro</i> bioactivity analysis of fruit tea infusions prepared with locally available fruits of Manipur, India DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1539	Y. Prabhavati Devi, P. Kshetri, I. Bhupenchandra, N. G. Piloo, H. N. Singh, A. K. Devi, R. Khangembam, P. Langamba, T. S. Singh, S. S. Roy and Y. J. Devi	104-110
Weed interference and wheat productivity in a conservation agriculture-based maize-wheat-mungbean system DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1540	S. Ghosh, T. K. Das, Y. S. Shivay, K. K. Bandyopadhyay, A. Bhatia and Md Yeasin	111-119
Diversity of mite fauna associated with agro-horticultural crops in West Bengal, India DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1542	S. C. Bala and K. Karmakar	120-128
Identification of mulberry silkworm (<i>Bombyx mori</i> L.) foundation crosses ideal for temperate climatic conditions of North West India DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1543	B. K. Neelaboina, Shivkumar, R. Kiran and S. Singh	129-135
Seasonal abundance of different insect pests and predatory coccinellids in association with weather factors on bitter melon, <i>Momordica charantia</i> L. DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1544	K. Sen, P. P. Dhar and A. Samanta	136-143

Title	Author	Page No.
Seasonal incidence and management of Epilachna Beetle (<i>Henosepilachna vigintioctopunctata</i> Fab.) infesting potato in the plains of West Bengal DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1545	A. K. Nayak, A. Sarkar and S. K. Das	144-150
Improving yield of rice (<i>Oryza sativa</i> L.) by managing blast disease through On Farm Trial (OFT) in old alluvial zone of West Bengal DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1546	P. Bhowmik and P. Biswas	151-159
Genetic diversity assessment of rice using SSR markers DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1547	S. Bandyopadhyay, T. Dasgupta, M. Bhattacharjee, N. Payra and S. Saha	160-165
Divergence of bread wheat genotypes (<i>Triticum aestivum</i> L.) assessed by Multivariate Biplot analysis based on important markers DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1548	Ashish, V. Singh, S.K. Sethi, S. Madaan, P. Kumar, Antim and A. Verma	166-173
Principal component analysis and assessment of out cross potential traits associated with grain yield in maintainer lines of rice (<i>Oryza sativa</i> L.) DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1549	K. Krishna, Y. C. Mohan, V. Gouri Shankar, Ch. V. Durga Rani and L. Krishna	174-178
Characterization and variability analysis in pointed gourd (<i>Thichosanthes dioica</i> Roxb.) DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1550	S. Islam and S. Datta	179-186
Detection and impact of outliers on bell pepper (<i>Capsicum annuum</i> L. var. <i>grossum</i> Sendt.) in field condition DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1551	M. Roy, A. Saha, J. S. Basak, M. Saha, Md M. H. Middy, S. Roy and A. Majumder	187-195
Assessment of productivity, profitability and economics of high-density cotton-sweetcorn production system under drip irrigation and fertigation levels DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1552	N. Lavanya, P. Laxminarayana, K. B. Suneetha Devi, G. Jayasree and Lakshmi Prayaga	196-209
Exploring the suitability of machine learning algorithms for crop yield forecasting using weather variables DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1553	M. Varma, K. N. Singh and A. Lama	210-214
Influence of botanicals and chemical seed treatments on growth and yield attributing traits of Quinoa (<i>Chenopodium quinoa</i> Willd).cv. <i>EC 507742</i> DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1554	G. Sneha, A. Dayal, P. K. Rai and G. Ghosh	215-219

Title	Author	Page No.
Germination studies in passion fruit (<i>Passiflora edulis</i>) hybrids DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1555	A. V. Joseph and A. Sobhana	220-223
Ameliorative effect of priming on germination potential of aged seeds of flowering winter annuals DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1556	S. Jhanji, K. K. Dhatt, R. Kaur and U. K. Dhatt	224-231
Soil application of organic nano NPK on growth, yield and quality of sesame (<i>Sesamum indicum</i>) in the Onattukara sandy tracts of Kerala DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1557	A. S. Sruthi, M. Indira, A. Jayapal, G. Priya and B. Rani	232-237
Emergence and growth of weedy rice species in response to soil burial depth, moisture and period of sowing DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1558	A Mukherjee and B. Duary	238-243
Evaluation of flowering and fruiting attributes of different mango cultivars in the Chhattisgarh plain under rainfed condition DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1559	G. Rana, R. L. Sahu, G. L. Sharma and P. Deb	244-246
Weed management measures in transplanted rice and its residual impact on succeeding moong bean (<i>Vigna radiata</i>) DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1560	B. Venkatesh and Y. S. Parameswari	247-249
Pre-sowing treatments of botanicals, chemicals and plant growth regulators on seed growth, yield and yield attributes of lentil (<i>Lens culinaris</i> M.) var. Co-8 DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1561	G. Varun, A. Dayal and B. M. Bara	250-253
Effect of several pre-sowing elicitor seed treatments on mustard (<i>Brassica juncea</i> L.) Vigour Index against Alternaria blight disease in India DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1562	P. S. Rayanoothala, S. Mahapatra and S. Das	254-257
An unconventional exploration of axillary buds in Yacon (<i>Smallanthus sonchifolius</i>) for planting material production DOI: https://doi.org/10.22271/09746315.2022.v18.i1.1563	H. A. Mondal	258-264