

RESEARCH PAPER

Genetic variability in radish A.V. MAPARI, V.N. DOD, P.D. PESHATTIWAR AND ARCHANA THORAT	255
Effect of pre-treatments on quality of dehydrated palak (<i>Beta vulgaris</i> cv. BENGALENSIS HORT.) leaves VIRESH HIREMATH, P.G. HARSHAVARDHAN, S.J. PRASHANTH, A.K. ROKHADE AND M.B. MADALAGERI	259
Effect of integrated nutrient management on seed yield contributing parameters of okra RUKHSAR AHMAD DAR, ARUN K. GUPTA AND R.K. SAMNOTRA	263
Evaluation of papaya varieties for jam making B.M. RODGE AND S.S. YADLUD	267
Quality and organoleptic evaluation of amla pickle A. HARSHVARDHAN REDDY AND V. CHIKKASUBBANNA	271
Influence of partial shade and integrated nutrient management on morphological parameters and yield of turmeric (<i>Curcuma longa</i> L.) S.PADMAPRIYA, N. CHEZHIYAN AND V.A. SATHIYAMURTHY	275
Effect of different training systems on incidence of pest, diseases and yield of bitter gourd (<i>Momordica charantia</i> L.) cv. KONKANTARA under Konkan conditions of Maharashtra S.A.RANPISE, S.S.BHOKARE AND P.B. PACHANKAR	281
Correlation and path analysis studies in radish A.V. MAPARI, P.D. PESHATTIWAR, V.N. DOD AND ARCHANA THORAT	285
Effect of bioenzymes on growth and yield of rose (<i>Rosa indica</i> L.) cv. GLADIATOR P.G. NAIK, S.D. JATURE AND G.N. PHAD	289
Performance of different varieties of chrysanthemum in respect of growth, flowering and flower yield under north Gujarat condition MANOJ JOSHI, L.R. VERMA AND M.M. MASU	292
Standardization of mixed fruit beverage based on sapota [<i>Manilkara archras</i> (Mill) fosberg] fruits S.D. CHAUDHARI, S.N. VAGHANI AND Y.N. TANDEL	295
Residual effect of organic manures and inorganic fertilizers on succeeding crop pea (<i>Pisum sativum</i> L.) cv. BONNEVILLE M.A. CHATTOO, N. AHMAD, S.H. KHAN, S.H. SIDIQUE AND K. HUSSAIN	299
Integrated nutrient management in acid lime A.M. MUSMADE, D.D. JAGTAP, C.V. PUJARI AND S.A. HIRAY	305
Economic production of rose in Maharashtra S.G. INGLE, B.R. PAWAR, J.B. TAWALE AND S.A. JAGDE	309
Effect of bioenzymes on flower quality, yield and vase life of rose (<i>Rosa indica</i> L.) cv. GLADIATOR P.G. NAIK AND S.D. JATURE	311
Dehydration of okra [<i>Abelmoschus esculantus</i> (L.) Moench] VIRESH HIREMATH, P.G. HARSHAVARDHAN, S.J. PRASHANTH, A.K. ROKHADE AND M.B. MADALAGERI	314

Economic analysis of cereal crops on medium farm in Marathwada region	.....	318
MOHAMMAD ASMATODDIN, ALIAKRAM ANSARI, J.N.GULGHULE, M.S.JADHAV AND V.S.MASKE	.....	318
Effect of seasonal variation, pulsing and different floral preservatives on vase life of golden rod (<i>Solidago canadensis</i> Linn.) cut flowers	.....	321
J.D. CHITARODA, D.K. KAKADE, RUKAM, S. TOMAR, PG. MEMANE, N.A. DESHMUKH, SEEMA J. SHARMA AND C.D. PATEL.....	.....	322
Studies on double type varieties of tuberose (<i>Polianthes tuberosa</i> L.)	.....	326
RUSHD KHATIB, D.T. KOLEKAR, P.M. HALDANKAR AND A.D. RANGWALA .....	.....	326
Effect of post-shooting spray of certain nutrients on yield and quality of banana cv. NENDRAN (AAB-PLANTAIN)	.....	328
A. RAMESH KUMAR AND N. KUMAR .....	.....	328
Evaluation of banana cultivars under different fertilizer regimes	.....	332
C.D. BADGUJAR, C.V. PUJARI AND N.M. PATIL .....	.....	332
Evaluation of capsicum varieties under polyhouse conditions	.....	336
P. ARUNA AND I.P. SUDAGAR .....	.....	336
Consumer's preferences for flowers in general and specific purpose	.....	338
D.S. PERKE, P.S. SINGARWAD, J.B. TAWALE AND V.S. MASKE .....	.....	338
Influence of graded levels of nitrogen and phosphorus on growth and yield of ambrette (<i>Abelmoschus moschatus</i> Medic)	.....	340
ARUMUGAM SHAKILA AND R. RAJESWARI .....	.....	340
Studies on uptake of nitrogen and phosphorus by daisy (<i>Aster amellus</i> L.) as influenced by graded levels of nitrogen and phosphorous	.....	343
V.S. PATIL, B.I. BIDARI, B. BASAVARAJ AND C.M. POLESHI .....	.....	343
A key for identification of pomegranate cultivars	.....	348
P.B. PACHANKAR, U.T. DESAI AND S.A. RANPISE .....	.....	348
Effect of pre-treatments and drying methods on quality of dehydrated bitter gourd (<i>Mamordica charantia</i> L.) slices	.....	351
VIRESH HIREMATH, P.G. HARSHAVARDHAN, S.J. PRASHANTH, A.K. ROKHADE AND M.B. MADALAGERI .....	.....	351
Performance of different varieties of coriander for yield, quality and germination under Marathwada conditions	.....	355
G.C. DHOKLE, P.G. NAIK, A.B. SURYAWANSHI AND G.N. PHAD .....	.....	355
A study on constraints faced by the cumin growers' in adoption of recommended cumin production technology	.....	358
B.H. TAVETHIYA AND N.B. CHAUHAN .....	.....	358
Correlation and path analysis in amaranthus	.....	361
P. ARUNA .....	.....	361
Economics of production of kagda (<i>Jasminum arborescens</i>) flower in Nanded district of Maharashtra	.....	364
D.S. PERKE, J.B. TAWALE, P.S. SINGARWAD AND MOHD. ASMATODDIN .....	.....	364
Evaluation of coconut (<i>Cocos nucifera</i> Linn.) cultivars for age of tender nuts in different season	.....	367
V.H. NAKUM, D.K. KAKADE, RUKAM, S. TOMAR, P.G. MEMANE, N.A. DESHMUKH, SEEMA J. SHARMA AND C.D. PATEL.....	.....	367
Effect of foliar application of micronutrients on growth and quality of tomato (<i>Lycopersicon esculentum</i> Mill.) cv. PHULE RAJA	.....	370
Y.K. PATIL, S.S. YADLOD, V.B. PAWAR AND P.B. NARSUDE .....	.....	370
Effect of biofertilizers and their combinations with nitrogen fertilizer on growth, yield and quality of rose (<i>Rosa damascene</i> L.)	.....	373
C.K. CHAUDHARI, R.G. JADAV AND M.M. MASU .....	.....	373

Effect of sowing dates and number of leaf cuttings on growth and yield of palak (<i>Beta vulgaris</i> L.)	377
D.M. NAIK, S.B. PATIL, S.D. JATURE AND S. J. SHINDE	
Studies on genetic variability and its importance in brinjal (<i>Solanum melongena</i> L.)	
KARIBASAVA NAIK, G.B. SREENIVASULU, S.J. PRASHANTH, R.P. JAYAPRAKASHNARAYAN, M.B. MADALAGERI AND RAVINDRAMULGE	380
Influence of soil and foliar application of nutrients on growth attributes in gherkin (<i>Cucumis sativus</i> L.) cv. AJAX HYBRID	
A. ANBURANI AND M. GAYATHIRI	383
Integrated nutrient management in Cabbage (<i>Brassica oleracea</i> var. <i>Capitata</i>) cv. PRIDE OF INDIA on growth and yield attributing parameters	
J.K. ROHIT, M.V. RAMDEVPutra, D.R. KANZARIA, N.H. DEVMURARI, A.M. BUTANI AND D.K. KAKADE	386
Selection of suitable hybrid varieties of chillies (<i>Capsicum annuum</i> L.) for scaling up of productivity of spices in dry ecosystem	
R.A. SINGH, P.V. SINGH, V.K. SHARMA AND H.K. SINGH	392
Correlation and path analysis studies in okra [<i>Abelmoschus esculentus</i> (L.) Moench]	
M.B. NASIT, L.K. DHADUK, J.H. VACHHANI AND J.J. SAVALIYA	394
Response of okra to gamma rays and EMS in M_1 generation	
P.D. DALVE, A.M. MUSMADE, S.V. MANE AND R.R. NIMBALKAR	398
Correlation and path analysis in shoot tip derived <i>in vitro</i> mutants of coleus (<i>Coleus forskohlii</i> Briq.) for high yield and forskolin content	
M. VELMURUGAN, K. RAJAMANI, P. PARAMAGURU, R. GNANAM, J.R. KANNAN BAPU AND P. HEMALATHA	401
Effect of organic manures on nutrient uptake of palak (<i>Beta vulgaris</i> L. var. <i>Bengalensis</i>)	
R. RAJESWARI AND ARUMUGAM SHAKILA	405
Effect of plant growth regulators on sex expression and yield of sponge gourd [<i>Luffa Cylindrica</i> (Roem.)] cv. 'PUSA CHIKNI'	
H.B. PATEL, D.K. KAKADE, RUKAM, S. TOMAR, G.U. KULKARNI, P.G. MEMANE, N.A. DESHMUKH, SEEMAJ. SHARMA AND C.D. PATEL	408
Screening of <i>in vitro</i> derived mutants of banana against nematods using bio-chemical parameters	
A. RAMESH KUMAR AND N. KUMAR	411
Variability, heritability and genetic advance in okra [<i>Abelmoschus esculentus</i> (L.) Moench]	
M.B. NASIT, L.K. DHADUK, J.H. VACHHANI AND J.J. SAVALIYA	415
Growth and flowering of African marigold as affected by nitrogen and phosphorus under varying intra-row spacing	
R.B. SOLANKI AND NISAR AHMAD GANIE	418
Effect of chemicals in increasing the vase life of tuberose cultivars	
I.P. SUDAGAR, R. SANKARNARAYANNAN AND P. ARUNA	421
Genotype variability on coriander to salinity at emergence and osmotic stress at germination	
V. KRISHNAMOORTHY	424
Quality characters affected by integrated nutrient management in cabbage (<i>Brassica oleracea</i> var. <i>Capitata</i>) cv. PRIDE OF INDIA	
J.K. ROHIT, M.V. RAMDEVPutra, D.R. KANZARIA, N.H. DEVMURARI, A.M. BUTANI AND D.K. KAKADE	428
Studies on qualitative characteristics of important guava varieties of Madhya Pradesh	
VIJAY AGRAWAL	432
Effect of grafting dates and grafting materials on soft wood grafting in sapota [<i>Manilkara achras</i>. (Mill Fosberg)] under middle Gujarat agroclimatic conditions	
S.S. WAZARKAR, H.C. PATEL, M.M. MASU, A.B. PARMAR AND H.H. SITAPARA	434

Effect of different season and varieties on physical properties of sapota	.....	440
A.M. VAHORA, Y.N. TANDEL AND C.B. PATEL		
Access the technological gap between recommended and adopted apple production technology in district Baramulla, Kashmir	.....	443
M. IQBAL BHAT, O.K. TIWARI AND AJAZ A. SHAH		
Studies on storage life of bud-sticks in soft wood grafting of mango	.....	446
R.M. KULKARNI, S.J. SHINDE, S.D. JATURE, D.M. NAIK AND P.R. KAUSADIKAR		
Effect of planting environment, type of cuttings and media on propagation of rose (<i>Rosa damascena</i> L.) cv. LOCAL RED	.....	448
S.A. AKLADE, B.N. PATEL, PARAMVEER SINGH AND KIRTI BARDHAN		
Performance of tissue culture datepalm (<i>Phoenix dactylifera</i> L.)	.....	452
D.R. KANZARIA, M.V. RAMDEVPUTRA, Y.V. PATEL, U.N. TANK, M.K. MANKAD, N.P. SHUKLA AND D.K. KAKADE		
Performance of different varieties of coriander for growth and yield under Marathwada conditions	.....	455
B.G. HIWALE, G.C. DHOKLE, P.G. NAIK, G.N. PHAD AND A.B. SURYAWANSHI		
Effect of foliar application of micronutrients on yield and quality of tomato (<i>Lycopersicon esculentum</i> Mill.) cv. PHULE RAJA	.....	458
V.K. PATIL, S.S. YADLOD, A.S. KADAM AND P.B. NARSUDE		
Physico-chemical status of different genotypes and hybrids of aonla	.....	461
D.A. PATEL, H.C. PATEL, S.N. SARVAIYA AND M.M. MASU		
Synergistic cropping system of <i>Lakha bari</i> for sustainable development of horticulture in Uttar Pradesh	.....	464
R.A. SINGH, M.K. SINGH AND H.K. SINGH		
Response of soil and foliar application of organic nutrients on growth in onion (<i>Allium cepa</i> var. Aggrigatum) cv. GNANAMEDU LOCAL	.....	467
A. ANBURANI AND M. GAYATHIRI		
In vitro conservation studies in dahlia (<i>Dahlia variabilis</i> L.)	.....	470
G. SHIVAYOGEPPA, J. DINAKARAADIGA, G PRABHULING, B.S. REDDY, S.K. NATRAJ AND S.J. PRASHANTH		
Reciprocal cross differences and combining ability studies for some quantitative traits in tomato (<i>Lycopersicon esculentum</i> Mill.) under mid hill conditions of western Himalayas	.....	473
S.P. SINGH, M.C. THAKUR AND N.K. PATHANIA		
Effect of chemicals on vase life of cut tuberose [<i>Polianthes tuberosa</i> (L.) cv. SINGLE	.....	478
S.D. JATURE, P.D. NAWAGHARE, S.J. SHINDE, D.M. NAIK AND R.S. BORADE		
Salt tolerance in coriander genotypes	.....	481
V. KRISHNAMOORTHY		
Effect of integrated nutrient management on growth and yield of onion seed production	.....	484
S.V. ADAGALE, S.D. MASALKAR AND B.S. PANDURE		
Effect of micro nutrients on growth, yield attributes and pod yield of okra (<i>Abelmoschus esculentus</i> (L.) Moench) in semi-arid zone of Uttar Pradesh	.....	488
D.P. SINGH, M.R. DABBAS AND H.G. PRAKASH		
Effect of PGR's on growth, flowering and flower yield of chrysanthemum (<i>Chrysanthemum indicum</i> L.) cv. 'LOCAL WHITE'	.....	491
S.A. AKLADE, KIRTI BARDHAN, PARAMVEER SINGH, D.K. KAKADE AND A.B. PATHAN		
Response of different medias and PGR's on rooting and survival of airlayers in pomegranate [<i>Punica granatum</i> (L.)] cv. SINDHURI	.....	494
V.P. BHOSALE, R.G. JADAV AND M.M. MASU		
Influence of graded levels of nitrogen and <i>Azospirillum</i> on yield parameters in watermelon (<i>Citrullus lanatus</i> Thunb.)	.....	498
C. MURUGANANDAM AND A. ANBURANI		

Azad ajwain-1: A new high yielding disease resistant variety	.....	501
S.M. TRIPATHI AND A.K. DWIVEDI	.....
Studies of plant extracts and wrapping materials on total soluble solids (%), ascorbic acid and acidity of mango (cv. KESAR) fruit during storage	.....	504
G.S. SHINDE, D.K. KAKADE, P.B. JADHAV, K.M. KARETHA, S.A. AKLADE, SEEMA J. SHARMA, N.A. DESHMUKH AND P.G. MEMANE	.....
Effect of bio-fertilizers on growth and yield of garden pea (<i>Pisum sativum L.</i>)	.....	507
NISAR AHMAD GANIE, R.B. SOLANKI AND FAYAZ AHMAD ALLIE	.....
Response of gypsum application with agro-chemical on onion (<i>Allium cepa L.</i>) in alluvial tract of Uttar Pradesh	.....	510
D.P. SINGH, H.G. PRAKASH AND M.R. DABBAS	.....
Effect of plant growth regulators on growth, yield and quality of cabbage (<i>Brassica oleracea</i> var. <i>capitata L.</i>) cv. GOLDEN ACRE	.....	512
U.M. CHAUHAN AND Y.N. TANDEL	.....
Effect of season on success of softwood grafting in sapota	.....	515
R.S. MASKE, A.B. KAMBLE AND B.S. PANDURE	.....
Varietal performance of turmeric	.....	517
O.P. CHATURVEDI, A.K. DWIVEDI AND S.M. TRIPATHI	.....
Growth parameters as influenced by graded levels of nitrogen and <i>Azospirillum</i> in watermelon (<i>Citrullus lanatus</i> Thunb.)	.....	519
C. MURUGANANDAM AND A. ANBURANI	.....
Response of different levels of nitrogen, phosphorus and potassium on flowering and yield attributes of gaillardia (<i>Gaillardia pulchella</i> var. <i>Lorenziana</i>) cv. LOCAL DOUBLE	.....	522
K.M. KARETHA, N.N. GAJIPARA, V. SINGH, SEEMA J. SHARMA, N.A. DESHMUKH AND D.K. KAKADE	.....

A REVIEW

Rainfed vegetable cultivation	.....	525
M. PRABHU, R. JAGADEESAN V. BALASUBRAMANIAN AND A. RAMESH KUMAR	.....
Protected cultivation of vegetables	.....	529
M. PRABHU, A. RAMESH KUMAR, V. BALASUBRAMANIAN, R. JAGADEESAN AND V. PONNUSWAMI	.....
Induced mutagenesis in vegetatively propagated horticultural crops	.....	534
M. VELMURUGAN, K. RAJAMANI, P. PARAMAGURU AND P. HEMALATHA	.....
Vermicompost and vegetable production	.....	541
M. PRABHU, A. RAMESH KUMAR, V. BALASUBRAMANIAN, R. JAGADEESAN AND V. PONNUSWAMI	.....
Nutrition of brinjal	.....	545
M. PRABHU, A. RAMESH KUMAR, V. BALASUBRAMANIAN, R. JAGADEESAN AND V. PONNUSWAMI	.....
Genetic variability studies in pea (<i>Pisum sativum L.</i>)	.....	550
K.G. SHINDE, S.D. WARADE AND J.H. KADAM	.....

RESEARCH NOTE

Sensory evaluation of amla wine	.....	557
A. HARSHVARDHAN REDDY AND V. CHIKKASUBBANNA	.....
Studies on prolonging vase life of tuberose variety SHRINGAR	.....	559
RUSHD KHATIB, D.T. KOLEKAR, P.M. HALDANKAR AND A.D. RANGWALA	.....