

C O N T E N T S

- Compost and nitrogen application influence phenology, growth and biomass yield of spring maize under deep and conventional tillage system** 1-6
Amanullah¹ and Imran Khan²
- Creation of genetic variability through wide hybridization and its assessment using SSR markers in soyabean [*Glycine max* (L.) Merril.]** 7-17
Darasing R. Rathod¹, Yashpal², Subhash Chandra³, Raju R. Yadav⁴, Shatakshi Poonia⁵, Anil Kumar⁶, S. K. Lal⁷ and Akshay Talukdar⁸
- Biocidal activity of plant derivatives and natural oils against two spotted spider mites in jasmine ecosystem** 18-23
K.V.Raghavendra¹, C. Chinniah², K. Ramaraju³, C. Muthiah⁴ and K. Balakrishnan⁵
- Conservation agriculture to sustain the productivity and soil health in cotton and groundnut intercropping system** 24-33
B. T. Naveen Kumar¹ and H. B. Babalad²
- Epidemiology and cultural characteristics of *Fusarium graminearum* causing head blight of wheat** 34-38
G. Raja Sekar¹, M. Suriachandraselvan² and Sneha R. Patil³
- Nature of acidity in some soils of red and lateritic belt of West Bengal** 39-44
Manik Chandra Kundu¹
- Survey, isolation and identification of post harvest *Penicillium* mould of sweet orange** 45-49
Sneha R. Patil¹, V.K.Parthiban², G.Raja Sekar³ and K. Marimuthu⁴
- Effect of nutritional sources on mycelial growth of *Fusarium graminearum* causing head blight of wheat** 50-54
Raja Sekar G.¹, M. Suriachandraselvan² and Sneha R. Patil³
- Effect of integrated weed management practices on seed cotton yield and economics of high density planting system of cotton** 55-59
M. D. Yenpreddiwar¹, P.G. Ingole², A.N. Paslawar³, V.M. Bhale⁴ and J. P. Deshmukh
- Precision farming approach for cultivation of banana in Konkan region of Maharashtra** 60-74
U.S.Kadam¹, R.T. Thokal², M.S.Mane³, S.T.Patil⁴ and K. D. Gharde⁵
- Effect of pinching and cycocel on flowering and flower quality of annual chrysanthemum** 75-79
Shrutika Taksande¹, V. U. Raut² and P. K. Nagre³
- In Vitro* studies on management of collar rot caused by *Aspergillus niger* in groundnut** 80-83
R. B. Andge¹, R. L. Parate², H.R.Sawai³ and R.R.Kalaskar⁴
- Biological control of wilt of gladiolus caused by *Fusarium oxysporum* f. sp. *gladioli*** 84-87
G. Bhargavi Devi¹, S.R. Potdukhe² and D. D. Guldekar³
- Effect of different concentrations of humic acid and NAA on morpho-physiological parameters and yield of linseed** 88-94
Minakshi Neware¹, R. D. Deotale², V. R. Jaybhaye³, Y. A. Chinmalwar⁴, V. J. Surywanshi⁵ and B. B. Pandey⁶
- Mutation induction by gamma rays and EMS in mustard (*Brassica juncea*) cv. bio 902** 95-100
N. A. Mohurle¹, S. U. Charjan², Beena Nair³ and P. N. Jogdande⁴
- Effect of spacing and corm size on growth, flower yield and quality of gladiolus** 101-105
Pittu sowjanya¹, Neha Chopde², Reshma V. S.³, and Siddhi Patil⁴
- Assessment of genetic diversity and genetic potential of recombinant inbred lines of *Brassica juncea* (L.)** 106-109
Ravi Kumar B. S.¹, Beena Nair², P.N. Jogdande³, Pritam Saha⁴ and A.T. Nartam⁵

Evaluation of gerbera varieties under naturally ventilated polyhouse	110-113
Anup Ganorkar ¹ , Shalini Badge ² , Ashvini Gaidhani ³ , D.M. Panchbhai ⁴ and Nilima Gobade ⁵	
Morpho-physiological and yield responses of maize plant to foliar sprays of polyamine (Putrescine) and IBA	114-119
Brij Bihari Pandey ¹ , R. D. Deotale ² , V.R. Jaybhaye ³ , Y. A. Chinmalwar ⁴ , V. Suryavanshi ⁵ and P. N. Davhale ⁶	
Response of high density planting to growth and flowering parameters of cut flower chrysanthemum varieties	120-123
Nikhil Taksande ¹ , Hemalata Khobragade ² , Gaurao Ghormade ³ and Anup Ganorkar ⁴	
Effect of foliar spray of putrescine and NAA on morpho-physiological parameters and yield of chickpea	124-131
Vikas R. Jaybhaye ¹ , R. D. Deotale ² , M. M. Neware ³ , B. B. Pandey ⁴ , V. J. Surywanshi ⁵ and Y. A. Chinmalwar ⁶	
Evaluation of marigold genotypes for growth and flowering parameters under Vidarbha condition	132-135
Nilima Gobade ¹ , R. P. Gajabhiye ² , Ravi Girange ³ , Pittu Sowjanya ⁴ and S. S. Moon	
Genetic diversity studies for yield and yield contributing traits in sesame (<i>Sesamum indicum</i> L.)	136-142
R.S.Rathod ¹ , P.R.Manapure ² , A.D.Banginwar ³ ,Ravi kumar B.S. ⁴ ,S.R.Patil ⁵ and P.N.Jogdande ⁶	
Growth and flowering of annual chrysanthemum influenced by cycocel and paclobutrazol	143-146
A. R. Jagdale ¹ , Y. R. Khobragade ² , D. M. Panchbhai ³ , G. N. Ghormade ⁴ and A. C. Bhaskarwar ⁵	
Control of wilt incidence using fungicides and bioagents in chickpea	147-151
N. S. Ingle ¹ , R. L. Parate ² , H.R.Sawai ³ and R.R.Kalaskar ⁴	
Studies on dairy farming practices adopted for crossbred cows around Armori tahsil	152-157
V. G. Atkare ¹ , R.M.Zinjarde ² and S. M.Khupse ³	
Effect of sulphur and boron on quality, nutrient content and uptake and residual soil fertility in soybean	158-161
Damyanti Meshram ¹ , P. C. Pagar ² , O. D. Kuchanwar ³ , Roshan Moharkar ⁴ and Vijay Raut ⁵	
<i>In-vitro</i> evaluation of bioagents against Fusarium wilt of gladiolus caused by <i>Fusarium oxysporum</i> f. sp. <i>gladioli</i>	162-165
S.R. Potdukhe ¹ , G. Bhargavi Devi ² and D.D. Guldekar ³	
Studies on variability for various quantitative traits in rose (<i>Rosa</i> spp.)	166-171
P.N.Jogdande ¹ , Shanti Patil ² , V.S.Jayade ³ , P.P.Saha ⁴ B.S.Ravikumar ⁵ , N.A.Mohurle ⁶ and R.S.Rathod ⁷	
Ems and gamma rays induced mutation in mustard (<i>Brassica juncea</i>) cv. pusa bold	172-177
M. G. Badukale ¹ , Beena Nair ² , R.K. Sapakal ³ , A.T. Nartam ⁴ and V. S. Jayade	
Effect of integrated nitrogen management on growth, yield and economics of maize	178-182
Aparna. M. Yadav ¹ , V. G. Nagdeote ² , V.G. Raut ³ and I. M. Nagrare ⁴	
Effect of land configuration and spacing on <i>kharif</i> sesame in Vertisols	183-186
Rohini Khade ¹ , A. A. Choudhary ² , S. N. Potkile ³ , Pravin Bhande ⁴ and Damyanti Meshram ⁵	
Characterstics of rice growings soils in amgaon tahsil of Gondia district	187-193
Monali A. Kore ¹ , Ommala D. Kuchanwar ² , Shweta B. Punekar ³ and Sudharshan Goud ⁴	
Influence of GA₃ on quality gladiolus (<i>Gladiolus grandiflorus</i> L.) production	194-197
Reshma V. S ¹ ., D. M. Panchbhai ² and Nilima J. Gobade ³	
Influence of cow urine and NAA on morpho-physiological paramaters and yield of pigeonpea	198-203
Yogita Chinmalwar ¹ , R. D. Deotale ² , V. J. Surywanshi ³ , M. R. Neware ⁴ , B. B. Pandy ⁵ and V. R. Jaybhaye ⁶	
Growth and flowering of African marigold as influenced by pinching and cycocel	204-207
Gaurao N. Ghormade ¹ , R.P.Gajbhiye ² , Gaurav H. Borse ³ , Nilima Gobade ⁴ and S.S.Moon ⁵	
Utilization of honey as sweetener for the preparation of cow milk lassi	208-211
S.M.Khupse ¹ , R.M.Zinjarde ² , V.G Atkare ³ , Monali Musale ⁴ and V. S. Sose ⁵	

Assessment of soil site suitability for Nagpur mandarin in eastern part of Nagpur district Shweta B. Punekar ¹ , Ommala D. Kuchanwar ² , Monali A. Kore ³ and Neha K. Chopde ⁴	212-218
Studies on dairy farming practices adopted for crossbred cows around Bhandara city Megha Pedhekar ¹ , V. G. Atkare ² , S. M. Khupse ³ and Vrushali Yadav ⁴	219-224
Influence of MH and TIBA on biochemical traits, yield and yield contributing parameters of mustard R. D. Deotale ¹ , V. J. Suryawanshi ² , Y. A. Chinmalwar ³ , V.S. Jayade ⁴ , R.L. Parte ⁵ , A.S. Ingole ⁶	225-231
Effect of different dates of sowing and crop weather on linseed varieties D.J. Jiotode ¹ , Damodar Patel ² , Shanti Patil ³ and V.S. Khawle ⁴	232-238
Performance of rose varieties for growth and flowering under Nagpur (Maharashtra) conditions Minakshirani Pradhan ¹ , D. M. Panchbhair ² , Shalini Badge ³ and P. N. Bhute ⁴	239-242
Analysis of combining ability in Indian mustard (<i>Brassica juncea</i>) Pritam Saha ¹ , M.K. Moon ² , Beena Nair ³ , Ravi kumar B.S. ⁴ and P.N. Jogdande ⁵	243-247
Effect of different herbicides on weeds and grain yield of maize Vijay G. Raut ¹ , V. S. Khawale ² , Roshan Moharkar ³ , R. Bhadoriya ⁴ and Damyanti Meshram ⁵	248-252
Impact of treated sewage irrigation on vegetable and soil properties : A case study in Central Vidarbha Zone H.R. Mundafale ¹ , R.M. Ghodpage ² , A.R. Mhaske ³ , S.S. Balpande ⁴ and W.P. Badole ⁵	253-257
Deployment of resistance in soybean for root rot and YMV through recombination breeding S.K. Dhapke ¹ , Y.V. Ingle ² , R.D. Deotale ³ , S.U. Charjan ⁴ and S.R. Kamdi ⁵	258-262
Impact of sewage water irrigation on black soil S. M. Jadhao ¹ , P. R. Kadu ² , Deepti Agarkar ³ , D.V. Mali ¹ , Nilam Kanase ⁴ and D. S. Kankal ⁴	263-269
Comparative efficiency of Trichoderma isolates against wilt of chickpea P. N. Davhale ¹ , K. D. Thakur ² , S. B. Bramhankar ³ , P. R. Kadu ⁴ and Tini Pillai ⁵	270-273
Effect of plant geometry under HDPS on crop phenology and yield contributing characters in cotton N.D. Parlawar ¹ , D.J. Jiotode ² , K.J. Kubde ³ , V.S. Khawle ⁴ and P.D. Puri ⁵	274-280
Short communication : Effect of cycocel and paclobutrazol on seed yield of annual chrysanthemum A.R. Jagdale ¹ , Y. R. Khobragade ² , A. A. Ganorkar ³ and R. R. Girange ⁴	281-282