

Journal of Soils and Crops

Volume 31

Number 2

December 2021

C O N T E N T S

Comparison of the effect of three tillage techniques on soil structure and consequences on the root development of durum wheat S.Echcherki ¹ , M.A. Feddal ² , R. Labad ³ and Y.Bendib ⁴	170-179
Response of rice genotypes by different coated urea fertilizers K.Sivasabari ¹ , S. Jothimani ² and R.Ajaykumar ³	180-189
Microbial bioformulations for management of citrus canker and regulation of defence related plant chemicals Swagata Saikia ¹ , Popy Bora ² and L.C. Bora ³	190-196
Modified homestead method of azola cultivation : A novel low-cost farming method Bikram Borkotoki ¹ , Banashree Sarma ² , Kishore K. Sarma ³ , Prabal Saikia ⁴ , Arup K. Sarma ⁵ , Ranjita Bejbaruah ⁶ , Nandita Baruah ⁷ , Lakshi K. Nath ⁸ and Namita Dutta ⁹	197-203
Influence of land configuration and residue management in <i>rabi</i> crops under rained ecosystem of Assam Nikhilesh Baruah ¹ , Ratna Kinkor Goswami ² and Shobha Dutta Deka ³	204-212
Effect of different modes of zinc application with NPK on rice and soil fertility status in sub-humid vindhyan plateau region Maneesh Kumar ¹ , S. N. Rai ² and Sumit Rai ³	213-218
In vitro evaluation on population dynamics of <i>Pseudomonas fluorescens</i> in suppression of bacterial blight of rice (<i>Xanthomonas oryzae</i> P V. <i>oryzae</i>) enriched with micronutrients P. Sharma ¹ , L.C. Bora ² and P. Bora ³	219-224
Performance of wheat (<i>Triticum aestivum</i> L.) under soil and foliar nutrition B. R. Patel ¹ , P. P. Chaudhari ² , Veeresh Hatti ³ and N. H.Desai ⁴	225-230
Foraging behaviour of Indian honey bee (<i>Apis cerana indica</i> FAB.) on mustard (<i>Brassica jucea</i> L.) ecosystem in Ambikapur, Chattisgarh Shubham Yadav ¹ and G.P. Painkra ²	231-236
Response of maize (<i>Zea mays</i> L.) to integrated nutrient management under irrigated area of Punjab Amritpal Singh ¹ , Ram Partap ² and Jagdeep Singh ³	237-241
Assessment of rajma bean germplasm grown under lower altitude of Nagaland and using multivariate analysis A.Thiruganavel ¹ , Bidyut C. Deka ² and Naksungla Walling ³	241-246
Effect of different cropping system on soil strength in calcareous soil Sanjay Kumar Singh ¹ , Vivek Kumar ² , Pankaj Singh ³ , Sanjay Tiwari ⁴ , A. K. Singh ⁵ , A. K. Pant ⁶ and Munmun Majhi ⁷	247-250
Relationship of soil fertility and leaf nutrient satus in litchi (<i>Litchi chinensis</i> SONN.) orchards Anil Kumar ¹ , Vishal Chandel ² and Swapana Sepehya ³	251-262

Impact of ICT training on farmers' income and expenditure with special reference to farmers in Thiruvermbur Taluk Arockiaraj ¹ and D.Kumar ²	263-269
Growth and productivity of irrigated cotton as influenced by season, intercropping system and weed management practices A.Sathishkumar ¹ , G. Srinivasan ² and E. Subramanian ³	270-276
Population dynamics of aphid [<i>Lipaphis erysimi</i> (Kaltenbach)] on <i>Brassica juncea</i> genotype RH 725 Hemant Kumar ¹ , Sumer Singh ² and Amit Yadav ³	277-279
Crossing efficiency in inter specific hybridization in brassica species Shanti Patil ¹ , P. Srikanth ² , S.R. Kamdi ³ , N. D.Dadas ⁴ , Vandana Kalamkar ⁵ , Vandana Madke ⁶ and Sapana Baviskar ⁷	280-281
Efficacy of foliar application of chitosan on growth and productivity of chickpea Ayushi N. Raut, R.D. Deotale ² , R.O. Gopale ³ , Vandana S. Madke ⁴ and A. D. Banginwar ⁵	282-288
Cost of milk production of crossbred cows maintained in Sadak/Arjuni Tahsil of Gondial district N. D. Kapgate ¹ , V. G. Atkare ² and Priyanka Katke ³	288-292
Genetic variability studies in M₄ generation of lathyrus Anita D. Ingle ¹ , Shanti R. Patil ² , P. Srikanth ³ , Vandana S. Madke ⁴ and Sapana B. Baviskar ⁴	293-296
Response of different sowing dates on morpho-physiological parameters and yield in mustard genotypes Rahul Gopale ¹ , R. D. Deotale ² , Ayushi N. Raut ³ , Shanti R. Patil ⁴ and S. R. Kamdi ⁵	297-304
Changes in soil phosphorus and humic substances under integrated nutrient management practices for wheat in vertisol R.M.Ghodpage ¹ , S.S.Balpande ² , W. P. Badole ³ , Mohammad Sajid ⁴ , Nishigandha Mairan ⁵ and Vishakha Dongare ⁶	305-308
Influence of foliar application of iron and zinc on chemical, biochemical parameters and yield attributes in safflower (<i>Carthamus tinctorius</i> L.) Avinash P. Kesarkar ¹ , P. V. Shende ² , Vinita S. Karad ³ , S. R. Kamdi ⁴ , R. D. Deotale ⁵ and S. D. Tupkar ⁶	309-313
Feeding practices adopted by goat owners in Ramtek tahsil of Nagpur district Priya Khadse ¹ , V. G. Atkare ² and N. S. Chore ³	314-319
Influence of ferrous sulphate and zinc sulphate on morpho-physiological parameters and yield in chickpea (<i>Cicer arietinum</i> L.) Vinita Sudam Karad ¹ , P. V. Shende ² , A. P. Kesarkar ³ , R. D. Deotale ⁴ and V. S. Madake ⁵	320-327
Interactive effect of zinc and pigeonpea cultivars on yield, nutrient uptake and quality of produce in inceptisol S.S.Mane ¹ , K. T.Jadhav ² and V.V.Sonwane ³	328-331
Stability studies in cluster bean under Western Vidarbha region R. S. Wankhade ¹ , V. S. Kale ² , Y. D. Charjan ³ and H. H. Dikey ⁴	332-339

Morphological characteristics of kadhani cattle in Mul tahsil of Chandrapur district Ruchi Yadav ¹ , R. M. Zinjarde ² , V. G. Atkare ³ , Kavita R. Kadu ⁴ and A. S. Ingole ⁵	340-344
Screening of rice genotypes for morpho-physiological characters and yield Ajay F. Tangle ¹ , G. R. Shamkuwar ² , R. D. Deotale ³ , D.A. Raut ⁴ and S.G. Shamkuwar ⁵	345-349
Effect of aqueous extract of <i>Parathenium hysterophorus</i> (L.) and <i>Cynodon dactylon</i> (L.) on the seed germination and seedling growth of chickpea seeds A.S.Jondhale ¹ and S.P.Chavan ²	350-354
Screening of white and pigmented rice cultivars for biochemical and yield and yield contributing characters Krunal N. Bele ¹ , Gautam R. Shamkuwar ² , Rajesh D. Deotale ³ and Aditi. S. Deshmukh ⁴	355-359
Stability analysis in Indian mustard Hrshikesh P. Ingole ¹ , Sandeep R. Kamdi ² , Shanti R. Patil ³ , Sharad S. Bhure ⁴ , Aditi S. Deshmukh ⁵ and Dhananjay S. Thikare ⁶	360-364
Assessment of genetic diversity of linseed (<i>Linum usitatissimum</i> L.) germplasm Dhananjay S. Thikare ¹ , Beena Nair ² , Suvarnlata D. Shivankar ³ , Kshama M. Shah ⁴ , Panthulugiri Srikanth ⁵ , Hrshikesh P. Ingole ⁶	365-370
Heterosis for seed and yield contributing characters in mustard (<i>Brassica</i> species) Aditi S. Deshmukh ¹ , Sandeep R. Kamdi ² , Beena Nair ³ , Shanti R. Patil ⁴ and Sharad S. Bhure ⁵ and Hrshikesh P. Ingole ⁶	371-376
Agro-engineering of green synthesized magnesium nanoparticles using <i>Datura stramonium</i> leaf extract and their antibacterial activity Vinay V. Chougule ¹ and A. M. Deshmukh ²	377-382