

# Journal of Soils and Crops

Volume 28

Number 2

December 2018

## C O N T E N T S

<b>Response of pulse crops to sole and combined mode of zinc application : A Review</b> D. S. Yashona <sup>1</sup> , U. S. Mishra <sup>2</sup> and S. B. Aher <sup>3</sup>	249-258
<b>Influence of some cropping systems and mineral nitrogen fertilizer levels on wheat productivity and its attributes under sandy soil conditions</b> A. A. Metwally <sup>1</sup> and Y.A.A. Hefny <sup>2</sup>	259-264
<b>Species diversity, infestation intensity and management of mango fruit weevil in the hilly ares of Bangladesh</b> Md. Abdullah Al Mumin <sup>1</sup> , Md. Abdul Latif <sup>2</sup> , Md. Mizanur Rahman <sup>3</sup> , Saifullah Omar Nasif <sup>4</sup> and Saleh Ahmed Shahriar <sup>5</sup>	265-272
<b>Determining the optimal dose of solid-liquid NPK on maize yield</b> Elois Cinyabuguma Lwahamire <sup>1</sup> , Xavier Baderhekuguma Nacibing <sup>2</sup> , Kashema Balola <sup>3</sup> , Musimwa Kashamuka <sup>4</sup> , Mafutala Ndjadi <sup>5</sup> , Ruphine Batumike Nshobole <sup>6</sup> , Je Mongana Etia <sup>7</sup> , Shabani Salumembe <sup>8</sup> , Kashosi Ntalushika <sup>9</sup> , Iragi Bahimba <sup>10</sup> , Janvier Mulumuna <sup>11</sup> , Espoir Bisimwa Basengere <sup>12</sup> and Musombwa Tshamoba <sup>13</sup>	273-280
<b>Effect of crop geometry and fertigation on quality and yield of parthenocarpic cucumber cultivars under protected conditions</b> Balwinder Singh <sup>1</sup> and Ramesh Kumar <sup>2</sup>	281-288
<b>Crop growth and yield performance of pigeonpea as influenced by transplanting, planting geometry and intercropping systems</b> H. T. Sujatha <sup>1</sup> , H. B. Babalad <sup>2</sup> , H. T. Chandranath <sup>3</sup> and P. L. Patil <sup>4</sup>	289-294
<b>Residual effect of methods of planting, weed control measures and nutrient managment on yield attributes and yield of rice-cassava intercropped with ground cropping systems</b> V. P. Vipitha <sup>1</sup> and P. B. Mathew <sup>2</sup>	295-300
<b>Evaluation of guava (<i>Psidium guajava</i> L.) genotypes of Chhattisgarh based on qualitative traits</b> Yogendra Singh <sup>1</sup> , S. N. Dikshit <sup>2</sup> , G. L. Sharma <sup>3</sup> and Vikas Ramteke <sup>4</sup>	301-304
<b>Constraints encountered by the panchaya leaders in performance of their desired roles</b> P. Shrivastava <sup>1</sup> and K.K. Shrivastava <sup>2</sup>	305-312
<b>An eco friendly approache to control <i>Meloidogyne incongnita</i> affecting tuberose</b> Swapnanjali Mishra <sup>1</sup> and Sunita Behera <sup>2</sup>	313-315
<b>Effect of seed borne mycoflora on seedling vigour of pea varieties and its management by seed priming</b> Ashruti Keshewani <sup>1</sup> , N. Lakpale <sup>2</sup> , N. Khare <sup>3</sup> and P.K. Tiwari <sup>4</sup>	316-322
<b>Management of rhizome rot disease of ginger</b> S.Behera <sup>1</sup> , P.Sial <sup>2</sup> and K.S. Pradhan <sup>3</sup>	323-325

<b>Studies on growth parameters and fruit characters in guava (<i>Psidium guajava</i> L.) genotypes of Chhattisgarh plains</b>	<b>326-330</b>
Yogendra Singh <sup>1</sup> , S. N. Dikshit <sup>2</sup> , G. L. Sharma <sup>3</sup> and Vikas Ramteke <sup>4</sup>	
<b>Studies on isolation and characterization of phosphate solubilizing bacteria isolated from wheat plant rhizosphere (<i>Triticum aestivum</i>) of Piple region of Wardha district Maharashtra</b>	<b>331-336</b>
Trupti Bhoyar <sup>1</sup> , S. S. Khandare <sup>2</sup> and M. G. Ingale <sup>3</sup>	
<b>Response of marigold varieties for callus development</b>	<b>337-340</b>
Megha M. Waghmare <sup>1</sup> , Shanti R. Patil <sup>2</sup> , S. M. Wararkar <sup>3</sup> , Sapana B. Baviskar <sup>4</sup> and R.D. Deotale <sup>5</sup>	
<b>Selection of desirable mutants in M<sub>3</sub> generation of soybean</b>	<b>341-346</b>
G. A. Kankal <sup>1</sup> , S. K. Dhapke <sup>2</sup> , Shubhangi K. Maraskole <sup>3</sup> , Shanti R. Patil <sup>4</sup> , D. Y. Upadhyay <sup>5</sup> , S. R. Kamdi <sup>6</sup> and A. V. Navghare <sup>7</sup>	
<b>Management of seed borne mycoflora associated with chilli seeds</b>	<b>347-354</b>
Damayanti D. Guldekar <sup>1</sup> , Subhash Potdukhe <sup>2</sup> , A.P. Kakde <sup>3</sup> , K. T. Thakre <sup>4</sup> and Maya Raut <sup>5</sup>	
<b>Effect of planting density and nutrient management on growth and yield of cotton</b>	<b>355-358</b>
Usha N. Gajbhiye <sup>1</sup> , Vijay S. Khawale <sup>2</sup> , Vipul M. Chandrikapure <sup>3</sup> and Priya P. Rangari <sup>4</sup>	
<b>Impact of putrescine and indole-3-butyric acid is enhancing chemical - biochemical parameters and yield of groundnut</b>	<b>359-365</b>
R. D. Deotale <sup>1</sup> , R.D. Shinde <sup>2</sup> and S.D. Meshram <sup>3</sup>	
<b>Screening of ground genotypes against tikka disease</b>	<b>366-373</b>
J.M. Parbat <sup>1</sup> , R.L. Parate <sup>2</sup> , S.B. Bramhankar <sup>3</sup> , D.G. Wasnik <sup>4</sup> , R.R. Kalaskar <sup>5</sup> and P.N. Rakhonde <sup>6</sup>	
<b>Impact of effluents irrigation on soil and crop productivity of gumthala village of Nagpur district</b>	<b>374-381</b>
Maya Raut <sup>1</sup> , Shalini Badge <sup>2</sup> , Damayanti Guldekar <sup>3</sup> , Vandana Madke <sup>4</sup> and Kavita More <sup>5</sup>	
<b>Effect of phosphorus and sulphur on quality nutrient content and uptake and residual soil fertility in greengram</b>	<b>382-386</b>
Mohini Punse <sup>1</sup> , P. C. Pagar <sup>2</sup> , Kunal Gawande <sup>3</sup> and Priya Rangari <sup>4</sup>	
<b>Study of heterosis for yield and yield contributing traitson CGMS based pigeonpea [<i>Cajanus cajan</i> (L.) Millspaugh] hybrids</b>	<b>387-397</b>
Megha R. Puttawar <sup>1</sup> , H.V. Kalpande <sup>2</sup> , A. E. Patil <sup>3</sup> and M. S. Naware <sup>4</sup>	
<b>Influence of sulphur on yield and yield contributing parameters and economics of linseed</b>	<b>398-401</b>
S. P. Bainade <sup>1</sup> , N. D. Parlawar <sup>2</sup> , S. B. Korade <sup>3</sup> and V. S. Hivare <sup>4</sup>	
<b>Effect of phosphorus and sulphur on growth, yield and economics of greengram</b>	<b>402-406</b>
Mohini Punse <sup>1</sup> , P. C. Pagar <sup>2</sup> , Priya Rangari <sup>3</sup> and K.R. Siddagangamma <sup>4</sup>	
<b>Effect of integrated nitrogen management on growth, yield and economics of <i>kharif</i> sorghum (<i>Sorghum bicolor</i> L.)</b>	<b>407-412</b>
R. R. Jadhav <sup>1</sup> , S.P. Bainade <sup>2</sup> , N. D. Jadhav <sup>3</sup> , V. S. Hivare <sup>4</sup> and N. D. Parlawar <sup>5</sup>	

<b>Implications of combining ability and per se performance in pigeonpea [Cajanus cajan (L.) millspaugh]</b>	<b>413-420</b>
Megha R. Puttawar <sup>1</sup> , H.V.Kalpande <sup>2</sup> , A. E. Patil <sup>3</sup> and M.S.Naware <sup>4</sup>	
<b>Influence of various nutrient management practices on soil properties and yield of Nagpur mandarin grown on vertisol</b>	<b>421-427</b>
Tejashri Patekar <sup>1</sup> , R.M.Ghodpage <sup>2</sup> , S.S. Balpande <sup>3</sup> , A.R.Mhaske <sup>4</sup> and W.P.Badole <sup>5</sup>	
<b>Evaluation of newly developed inbrd lines for heterosis for yield and its component in maize</b>	<b>428-433</b>
G. W. Karad <sup>1</sup> , M. K. Moon <sup>2</sup> , Shanti R. Patil <sup>3</sup> , Arati D. Rathod <sup>4</sup> , S. R. Kamdi <sup>5</sup> and Priyanka N. Taksande	
<b>Short communication</b>	
<b>Impact of treated domestic sewage irrigation on pathogenic microbes in spinach microbial count in soil</b>	<b>434-437</b>
A. R. Mhaske <sup>1</sup> , S.S.Balpande <sup>2</sup> , R.M.Ghodpage <sup>3</sup> and W.P. Badole <sup>4</sup>	
<b>Reciprocal hybridization between a natural floral organ mutant and normal rice showed inter-varietal barrier</b>	<b>438-439</b>
Soumya Prakash Das <sup>1</sup> , Debal Deb <sup>2</sup> and Narottam Dey <sup>3</sup>	
<b>Effect of paddy growing practices on active pools of soil organic carbon in Nagpur district, Maharashtra</b>	<b>440-442</b>
Supriya Bhakare, S.S. Balpande, R.M. Ghodpage, A.R. Mhaske and W.P. Badole	