

## C O N T E N T S

- Response of pulse crops to sole and combined mode of zinc application : A Review** 249-258  
D. S. Yashona<sup>1</sup>, U. S. Mishra<sup>2</sup> and S. B. Aher<sup>3</sup>
- Influence of some cropping systems and mineral nitrogen fertilizer levels on wheat productivity and its attributes under sandy soil conditions** 259-264  
A.A. Metwally<sup>1</sup> and Y.A.A. Hefny<sup>2</sup>
- Species diversity, infestation intensity and management of mango fruit weevil in the hilly ares of Bangladesh** 265-272  
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>
- Determining the optimal dose of solid-liquid NPK on maize yield** 273-280  
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>, Jc 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>
- Effect of crop geometry and fertigation on quality and yield of parthenocarpic cucumber cultivars under protected conditions** 281-288  
Balwinder Singh<sup>1</sup> and Ramesh Kumar<sup>2</sup>
- Crop growth and yield performance of pigeonpea as influenced by transplanting, planting geometry and intercropping systems** 289-294  
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>
- 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** 295-300  
V. P. Vipitha<sup>1</sup> and P. B. Mathew<sup>2</sup>
- Evaluation of guava (*Psidium guajava* L.) genotypes of Chhattisgarh based on qualitative traits** 301-304  
Yogendra Singh<sup>1</sup>, S. N. Dikshit<sup>2</sup>, G. L. Sharma<sup>3</sup> and Vikas Ramteke<sup>4</sup>
- Constraints encountered by the panchaya leaders in performance of their desired roles** 305-312  
P. Shrivastava<sup>1</sup> and K.K. Shrivastava<sup>2</sup>
- An eco friendly approache to control *Meloidogyne incongnita* affecting tuberose** 313-315  
Swapnanjali Mishra<sup>1</sup> and Sunita Behera<sup>2</sup>
- Effect of seed borne mycoflora on seedling vigour of pea varieties and its management by seed priming** 316-322  
Ashruti Keshherwani<sup>1</sup>, N. Lakpale<sup>2</sup>, N. Khare<sup>3</sup> and P.K. Tiwari<sup>4</sup>
- Management of rhizome rot disease of ginger** 323-325  
S.Behera<sup>1</sup>, P.Sial<sup>2</sup> and K.S. Pradhan<sup>3</sup>

<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 Pipre 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 enhancig 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 grund 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. Parlwar <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. Parlwar <sup>5</sup>	

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