

# Journal of Soils and Crops

Volume 23

Number 2

December 2013

## C O N T E N T S

- Productivity and profitability of wet season rice (*Oryza sativa* L.) under different methods of crop establishment and nutrient management** 237 - 243  
T.R.Mohanty, P.K.Roul, S.K.Maiti and A.C.Dash
- Crop residues incorporation and its impact on soil pH, soil organic carbon and N availability** 244 - 252  
U. J. Sarma and M. Chakravarty
- Stability, efficiency and soil fertility parameters of different cropping systems in Western Himalayan region** 253 - 258  
S. S. Walia, S. S. Dhaliwal, A. S. Brar, Satpal Singh, Roopinder Singh, C. S. Aulakh and Navdeep Kaur
- Impact of integrated nutrient management on growth parameters, physiological characteristics, yield and yield attributes of hybrid rice** 259 - 263  
Anil Kumar Singh
- Effect of heterocyclic nitrogen on morphological, yield and fiber quality traits in cotton (*Gossypium hirsutum* L.)** 264 - 268  
R. K. Gupta, Yadvinder-Singh, R. S. Sohu, Bijay-Singh, H. S. Thind and Varinderpal-Singh
- Estimation of N P K status of the sampled soil of *Inceptisol* from Janjgir district of Chhattisgarh** 269 - 276  
Kunal Chandrakar, L.K. Srivastava, S.K. Bhoi and U.K. Chandrakar
- Comparative efficacy of various inhibitors against spore germination of *Cercospora centellae* inciting leaf spot of mandukparni (*Centella asiatica*)** 277 - 282  
N. Lakpale
- Combined effect of fly ash and paper mill sludge on agricultural top soil** 283 - 286  
Iphita Gupta and J.L.Tarar
- Correlation and path analysis in grain quality characters in upland rice (*Oryza sativa* L.)** 287 - 291  
M. B. Shejul, D. B. Deosarkar and H. V. Kalpande
- Physiological responses of foliar application of humic acid through vermicompost wash on morpho-physiological, yield and yield contributing parameters of mustard (*Brassica juncea*)** 292 - 298  
Leena B. Parihar, R.D.Deotale, Sumit M. Raut, Nilesh S. More and A.D.Banginwar
- Isolation and identification of plant growth promoting rhizobacteria from the rhizosphere of soybean** 299 - 306  
M. K. Kulkarni, S. R. Potdukhe and D. D. Guldekar
- Heterosis studies for yield, yield contributing and fibre traits in cotton (*Gossypium hirsutum* L.)** 307- 313  
V. S. Jayade, Shanti R. Patil, P. D. Peshattiwar and Vandana B. Kalamkar
- Effect of IBA on rooting of rootstock in rose** 314 - 316  
Darshana A. Gaikwad, V. J. Golliwar, Neha Chopde, J. G. Jadhav and Ashwini Patil
- Combining ability analysis for yield contributing traits in newly developed *kharif* sorghum lines** 317 - 320  
P.B. Kale, R.B. Ghorade, Beena Nair and V.V. Kalpande

<b>Response of foliar sprays of humic acid through cowdung wash on morpho-physiological, yield and yield contributing parameters of groundnut</b> Mangesh M. Jape, R.D. Deotale, Shanti R. Patil, Sumit M. Raut and Nilesh S. More	321- 326
<b>Effect of foliar application of GA<sub>3</sub> and KNO<sub>3</sub> on flowering and yield quality of African marigold</b> S. J. Taksande, N. K. Chopde, D.A.Gaikwad and D. M. Panchbhai	327 - 330
<b>Physiological responses of foliar application of humic acid through cowdung wash on morphophysiological parameters and yield of greengram</b> Niketa R. Metre, R. D. Deotale, Shital V. Arsode, Sonali S. Ghewande and A. D. Banginwar	331 - 337
<b>Effect of phosphogypsum on fertility status for growing soybean in vertisol</b> V. P. Babhulkar, S.P.Khandare, A.A.Bhaiswar	338 - 342
<b>Combining ability studies for yield, yield contributing and fibre traits in cotton (<i>Gossypium hirsutum</i> L.)</b> V. S. Jayade, Shanti R. Patil, P. D. Peshattiwar and Vandana B. Kalamkar	343 - 350
<b>Metroglyph analysis for morphological and agronomical traits variation in mustard</b> Atul R. Lende, R.Y. Parshuramkar, Shanti R. Patil and R. Gowthami	351 - 358
<b>Suitability of industrial effluents and well water for irrigation around Butibori industrial area of Nagpur</b> P.L. Choudhar, M.M. Raut, D.S. Patil, P.P. Gurav and A.S. Gajare	359 - 364
<b>Extent of adoption of biofertilizers by the farmers in major crops in Wardha district</b> A. Srinivas and D. N. Bhalekar	365 - 368
<b>Effect of foliar application of humic acid through cowdung wash on chemical, biochemical and yield and yield contributing parameters of greengram</b> Niketa R. Metre, R. D. Deotale, Sonali S. Ghewande, Shital V. Arsode and R. Gowthami	369 - 376
<b>Sensory evaluation and economics of gulabjamuns prepared from different ready mixes</b> Madhuri Shende, R. M. Zinjarde, V.G.Atkare and S.J. Gajarlawar	377 - 380
<b>Characterization of carboxylesterase in <i>Plutella xylostella</i> (L.) against flubendiamide resistance</b> Dipali B. Borkar, S. S. Munje, V. L. Bagde and M.P. Moharil	381 - 386
<b>Growth, yield attributes, yield, oil and economics of Indian mustard (<i>Brassica juncea</i>) as influenced by the different herbicides</b> D. D. Mankar, S. N. Mahajan, S. M. Panchbhai and S. M. Nawlakhe	387- 391
<b>Comparative behaviour of Indian mustard varieties in respect of growth, yield attributes and yield under irrigated condition</b> D. D. Mankar, S. M. Panchbhai, S. N. Mahajan and S. M. Nawlakhe	392 - 395
<b>Nutrient management in linseed through biofertilizers</b> Rafeek Mahammad, S. M. Nawlakhe and D.D. Mankar	396 - 400
<b>Characterization, classification and evaluation of soils and irrigation water in Osmanabad tahsil, Maharashtra</b> B.A.Patil, P.H.Vaidya and A.S.Dhawan	401 - 408
<b>Efficacy of entomopathogenic fungal pesticides under laboratory condition against <i>Spodoptera litura</i></b> Archana N. Borkar, R. O. Deotale, D. B. Undirwade and D. R. Thakre	409- 412