

## CONTENTS

<b>The age of genomics and transgenics in wheat - A Review</b>	<b>1-12</b>
V. K. Pandey <sup>1</sup> , P. N. Verma <sup>2</sup> and Akshay Kumar <sup>3</sup>	
<b>Mustard breeding in India-A Review</b>	<b>13-28</b>
Amit Kumar <sup>1</sup> , P. N Verma <sup>2</sup> and Akshay Kumar <sup>3</sup>	
<b>Water used by soybean and maize intercropping patterns as affected by different soybean cultivars and plant population</b>	<b>29-39</b>
Ahmed M. Taha <sup>1</sup> and Eman I. Abdel-Wahab <sup>2</sup>	
<b>Compatibility of <i>Bacillus subtilis</i> with different novel fungicides used against plant pathogens</b>	<b>40-45</b>
Varsha Awasthi, <sup>1</sup> R.K.S. Tiwari, <sup>2</sup> V.K. Nirmalkar, <sup>3</sup> Ganga Ram <sup>4</sup> and Hitesh Pawle <sup>5</sup>	
<b>Integrated management of sheath blight (<i>Rhizoctonia solani</i> Kuhn) of rice under field condition</b>	<b>46-50</b>
Ganga Ram <sup>1</sup> , R.K.S. Tiwari <sup>2</sup> V. K. Nirmalkar <sup>3</sup> , Hitesh Pawle <sup>4</sup> and Varsha Awasthi <sup>5</sup>	
<b>Effect of nitrogen, phosphorus and sluphur on growth, yield and economics of black sesame [<i>Sesamum radiatum</i> (L.) ]</b>	<b>51-55</b>
M. D. Vaishnav <sup>1</sup> , V. H. Surve <sup>2</sup> and A. D. Raj	
<b>Genetic diversity, variability and heritability studies in India mustard (<i>Brassica juncea</i> L. Czern and Coss)</b>	<b>56-63</b>
Bidya Thokchom <sup>1</sup> , Sharad Pandey <sup>2</sup> and Senjam S. Jinus <sup>3</sup>	
<b>Assessing micronutrient levels and their correlation with soil physio-chemical properties in dryland farming, Anantapur District, Andhra Pradesh</b>	<b>64-68</b>
Sri Likhitha Gudla <sup>1</sup> , Lakshmi Sravya Puligadda <sup>2</sup> and Santanu Kumar Moharana <sup>3</sup>	
<b>Impact of biogas slurry on soil health and yield of rice and beetroot</b>	<b>69-74</b>
D. Rajkumar <sup>1</sup> and S.Gobika <sup>2</sup>	
<b>Genetic studies in M<sub>3</sub> generation of lathrus</b>	<b>75-79</b>
Achal B. Kamble <sup>1</sup> , Shanti R. Patil <sup>2</sup> , Vandana S. Madke <sup>3</sup> , Treio Dkhar <sup>4</sup> , Vandana B. Kalamkar <sup>5</sup> , Prema R. Manapure <sup>6</sup> , Gopal Nawale <sup>7</sup> and Jadala Ravali <sup>8</sup>	
<b>Influence of IAA, kinetin and boron on biochemical parameters, yield and yield attributes of chickpea</b>	<b>80-84</b>
Nikita Landge <sup>1</sup> , P. V. Shende <sup>2</sup> , Samruddhi Madavi <sup>3</sup> , Vaibhavi Madavi <sup>4</sup> and Sapana Baviskar <sup>5</sup>	
<b>Fluoride content in food crops and dietary intake in a fluoride - endemic area of Pijdura village of Warora tehsil, Chandrapur District Maharashtra</b>	<b>85-88</b>
Varsha Dhurvey <sup>1</sup> , Firdos Karim <sup>2</sup> and Rashmi Urkude <sup>3</sup>	
<b>Heterosis in interspecific hybrids between <i>Brassica juncea</i> and <i>Brassica carinata</i></b>	<b>89-96</b>
Treio Dkhar <sup>1</sup> , Shanti R. Patil <sup>2</sup> , S. R. Kamdi <sup>3</sup> , Achal B. Jagzape <sup>4</sup> , Achal B. Kamble <sup>5</sup> , Vandana B. Kalamkar <sup>6</sup> , Prema R. Manapure <sup>7</sup> and Gopal Nawale <sup>8</sup>	
<b>Efficiency in the agriculture sector of India : A stochastic frontier approach</b>	<b>97-105</b>
D. Kalaiarasi <sup>1</sup> , A. Premkumar <sup>2</sup> and V. Sivasankar <sup>3</sup>	
<b>Nutrient management and its effects on growth and yield attributes of sesame (<i>Sesamum indicum</i> L.) in Amritsar conditons</b>	<b>106-110</b>
Simranjeet Kaur <sup>1</sup> and Rakesh Kumar <sup>2</sup>	
<b>Genetic variability study in Indian mustard (<i>Brassica species</i>) for yield and yield Contributing traits</b>	<b>111-115</b>
P. S. Kalpande <sup>1</sup> , M. P. Meshram <sup>2</sup> , S. R. Kamdi <sup>3</sup> , Snehal V. Pawar <sup>4</sup> , M. N. Dhawne <sup>5</sup> and Anjali D. Sable <sup>6</sup>	
<b>Extent of damage to paddy by yellow stem borer, <i>Scirpophaga incertulas</i> (Walker, 1863) (Lepidoptera : Crambidae) under different doses of inorganic nitrogenous fertilizers at Hooghly, West Bengal</b>	<b>116-123</b>
E. Mondal <sup>1</sup> and K. Chakraborty <sup>2</sup>	
<b>Influence of zinc, copper, manganese and boron on morpho-physiological parameters and yield in wheat (<i>Triticum aestivum</i> L.)</b>	<b>124-129</b>

Vaibhavi P. Madavi <sup>1</sup> , Prashant V. Shende <sup>2</sup> , Akshay R. Uike <sup>3</sup> and Nikita R. Landge <sup>4</sup>	
<b>Relational analysis of floriculture growth with their entrepreneurial behaviour</b>	<b>130-134</b>
C. D. Autade <sup>1</sup> , D. D. Nigade <sup>2</sup> , R. S. Pawar <sup>3</sup> , D. U. Lad <sup>4</sup> , A. R. Pawar <sup>5</sup> and D. M. Sawant <sup>6</sup>	
<b>Phytochemical screening and total antioxidant activity of <i>Curcuma caesia</i> (Roxb.)</b>	<b>135-140</b>
M.R. Khan <sup>1</sup> , A.Kikim <sup>2</sup> and L.D. Sharma <sup>3</sup>	
<b>Influence of foliar application of nano urea on chemical, biochemical, yield and yield parameters in rice (<i>Oryza sativa</i> L.)</b>	<b>141-145</b>
M. N. Dhawne <sup>1</sup> , G. R. Shamkuwar <sup>2</sup> , P. S. Kalpande <sup>3</sup> , Vaibhavi P. Madavi <sup>4</sup> , Shirin F. Khan <sup>5</sup> and Samruddhi R. Madavi <sup>6</sup>	
<b>Self-help groups and economic empowerment of woman in agriculture</b>	<b>146-154</b>
M. Rajalaxmi and T. Indra	
<b>Evaluation of rice genotypes under direct seeded condition</b>	<b>155-161</b>
Shirin Firoz Khan <sup>1</sup> , P. V. Shende <sup>2</sup> , Sapana B. Baviskar <sup>3</sup> , Vandana S. Madke <sup>4</sup> and M. N. Dhawne <sup>5</sup>	
<b>Line X tester analysis in Lathyrus (<i>Lathyrus sativus</i> Linn.)</b>	<b>162-167</b>
G. D. Nawale <sup>1</sup> , G. D. Chandankar <sup>2</sup> , Vandana S. Madke <sup>3</sup> , P. V. Shende <sup>4</sup> , Prema R. Manapure <sup>5</sup> , Treio Dakhar <sup>6</sup> and Achal Kamble <sup>7</sup>	
<b>Genetic diversity and association studies in chickpea (<i>Cicer arietinum</i> L.)</b>	<b>168-174</b>
Rahul J. Parmar <sup>1</sup> , Vikas Pali <sup>2</sup> and Hardik H. Patel <sup>3</sup>	
<b>Genetic studies of F<sub>2</sub> population in mustard (<i>Brassica species</i>)</b>	<b>175-179</b>
Snehal V. Pawar <sup>1</sup> , S. R. Kamdi <sup>2</sup> , P. S. Kalpande <sup>3</sup> , Sakshi V. Ingle <sup>4</sup> , J. S. Renjini <sup>5</sup> and Anjali D. Sable <sup>6</sup>	
<b>Performance of sesame (<i>Sesamum indicum</i> L.) cultivars to different sowing dates</b>	<b>180-183</b>
Shamsher Singh <sup>1</sup> , Rakesh Kumar <sup>2</sup> and Tarandeep Kaur <sup>3</sup>	
<b>Antioxidant activity and total phenolic content of <i>Alpinia galgal</i> (L.) Willd. rhizome extract</b>	<b>184-188</b>
M.R. Khan <sup>1</sup> and L.D. Sharma <sup>2</sup>	
<b>Status of coffee production in Nagaland, India</b>	<b>189-192</b>
Khrielanuo Khezhe <sup>1</sup> and Mary N. Odyuo <sup>2</sup>	
<b>Effect of feeding fresh azolla (<i>Azolla pinnata</i>) on growth performance of kavery poultry birds</b>	<b>193-196</b>
Dipti S. Zade <sup>1</sup> , V. G. Atkare <sup>2</sup> , P. R. Kadu <sup>3</sup> and P. R. Gaikwad <sup>4</sup>	
<b>Risk analysis of ruderal and agerastal weeds from superasterids grade in Udham Singh Nagar, District Uttarakhand</b>	<b>197-201</b>
Sachin Sharma <sup>1</sup> , S. P. Joshi <sup>2</sup> and Manisha Pandey <sup>3</sup>	
<b>Utilization pattern of medicinal plants in Jaunpur range of mussoorie forest division, Uttarakhand</b>	<b>202-207</b>
Manisha Pandey <sup>1</sup> , S. P. Joshi <sup>2</sup> and Sachin Sharma <sup>3</sup>	
<b>Effect of varied levels of arsenic toxicity on certain physio-chemical and biochemical parameters in wheat genotypes (<i>Triticum aestivum</i> L.)</b>	<b>208-213</b>
Vedant Patil <sup>1</sup> , Md. Afjal Ahmad <sup>2</sup> , K. Dujeshwer <sup>3</sup> and Manju Jat <sup>4</sup>	
<b>Utilization of kiwi (<i>Actinidia deliciosa</i>) pulp for yoghurt drink preparation</b>	<b>214-217</b>
Prachi J. Kapse <sup>1</sup> , V. G. Atkare <sup>2</sup> and P. R. Kadu <sup>3</sup>	
<b>Antioxidant activity and total phenolic content of <i>Microtoena patchouli</i> leaves extract</b>	<b>218-222</b>
L.D. Sharma <sup>1</sup> and M.R. Khan <sup>2</sup>	
<b>Constraints of small tea growers in Nagaland, India</b>	<b>223-226</b>
Tiasoba <sup>1</sup> and Mary N. Odyuo <sup>2</sup>	
<b>Feeding potential of fresh azolla (<i>Azolla pinnata</i>) on dressing and mortality percentage and Cost : Benefit ratio of kaveri poultry bird</b>	<b>227-230</b>
Dipti S. Zade <sup>1</sup> , V. G. Atkare <sup>2</sup> , Bhavana Wankhade <sup>3</sup> and Shilpa Rannaware <sup>4</sup>	
<b>Nutrient status of soils under major cropping systems of Chittoor District, Andhra Pradesh</b>	<b>231-235</b>
J. Haritha <sup>1</sup> , CH. Bhargava rami reddy <sup>2</sup> , P.V. Geeta Sireesha <sup>3</sup> , S. Tirumala reddy <sup>4</sup> and K.V. Nagamadhuri <sup>5</sup>	

**Short communication :**

**Quantifying vitamin C in edible items : Temperature induced changes and implications for dietary recommendations** 236-237

Roshini K. Thumpakara<sup>1</sup>

**Survey of pigeonpea cyst nematode (*Heterodera cajani*) in Nuh and Palwal Districts of Haryana** 238-239

Vinod Kumar<sup>1</sup>, Prakash Banakar<sup>2</sup> and Anil Kumar<sup>3</sup>