

CONTENT

Page No.

REVIEW

Mycorrhizal relationship in lupines: A Review

Z.Y. Shi, X.L. Zhang, S.X. Xu, Z.J. Lan, K. Li, Y.M. Wang, F.Y. Wang, Y.L. Chen.....965

GENETICS AND BREEDING

Morpho-molecular characterization of landraces/wild genotypes of *Cicer* for Biotic/ Abiotic stresses

Rajendra Kumar, Renu Yadav, Sangeeta Soi, Srinivasan, S.S.Yadav, Ashwani Yadav, J.P.Mishra, Neha Mittal, Neelam Yadav, Ashwani Kumar, Vaishali, Hemant Yadav and Hari D Upadhyaya.....974

Stability studies in gum cluster bean genotypes

R.S. Wankhade, V.S. Kale, P.K. Nagre and R.K. Patil.....985

Participatory varietal selection among elite cowpea genotypes in northern Namibia

Lydia N. Horn, Habteab M. Ghebrehiwot, Fatma Sarsu and Hussein A. Shimelis.....995

Identification of genomic Regions/genes for high iron and zinc content and cross transferability of SSR markers in mungbean (*Vigna radiata* L.)

Vijayata Singh, R.K. Yadav, N.R. Yadav, Rajesh Yadav, R.S. Malik and Jogendra Singh.....1004

Induced mutations in soybean (*Glycine max* L.)

G.C. Shekar and Pushpendra.....1012

***In vitro* differentiation and plant regeneration from root and other explants of juvenile origin in pea (*Pisum sativum* L.)**

Shikha Sharma, Geetika Gambhir and D.K. Srivastava.....1020

AGRONOMY

Impact of legume intensified crop rotations and tillage practices on maize productivity *vis-à-vis* C and N dynamics of a sandy loam soil in north-western Indo-Gangetic Plains of India

M.R. Yadav, C.M. Parihar, S.L. Jat, A.K. Singh, Rakesh Kumar, R.K. Yadav, M.D. Parihar, G. Makarana and M.L. Jat.....1028

Prediction of dry matter accumulation in bitter vetch

Ufuk Karadavut, Adil Bakoglu, Halit Tutar, Kagan Kokten and Hava Seyma Yilmaz.....1038

Multidimensional study of pulse production in Bundelkhand region of India Rajesh Kumar, S.K. Singh and Uma Sah.....	1046
Stability analysis in pole type beans (<i>P. vulgaris</i>) under temperate conditions Fayaz A. Sheikh, Shabir H. Wani, Parvaze A . Sofi, Zahoor A . Dar and M.N. Khan.....	1053
Preliminary estimation of forage yield and feeding value of <i>Lupinus angustifolius</i> varieties cultivated in Jalisco, México, during the cool season Juan Francisco Zamora Natera, Celene del Rio Obregón, Isidro Zapata Hernández Ramón Rodríguez Macías and Pedro Macedonio García López.....	1060
Comparative study of seed yield and seed quality of advanced lines and commercial varieties of red clover (<i>Trifolium pratense</i> L.) Vojo Radic.....	1066
Growth analysis in groundnut (<i>Arachis hypogea</i> L.) as influenced by Foliar nutrition H.M. Vinod Kumar and S.R. Salakinkop.....	1072
Impact of different organic and inorganic source on yield, quality and uptake of nutrients by kawach beej (<i>Mucuna prurience</i>) on inceptisol Bhavana Gharpinde and S.G. Wankhade.....	1078
Effect of weed management and sulphur on weed dynamics, soybean (<i>Glycine max</i>) yield and associated quality traits K.K. Meena, V. Nepalia, Dilip Singh, Mahendra Sharma and B. Upadhyay.....	1083
Determination of forage yield and quality of mixtures of hairy vetch with some cereals (oat, barley and wheat) grown as catch crop Emine Budakli Çarpici.....	1088
Variability for harvest index and biomass in lentil (<i>Lens culinaris</i> Medik) varieties G.P. Dixit, A. Kumar and A.K. Parihar.....	1093
Productive potential of pigeonpea [<i>Cajanus cajan</i> (L.) Millsp.] genotypes in different planting geometry under protective irrigation A.S. Channabasavanna, H. Rajakumar, M.S. Kitturmath and A.M. Talwar	1097
<u>SEED SCIENCE</u>	
Amelioration of salinity tolerance in cowpea plants by seed treatment with methyl jasmonate Omid Sadeghipour.....	1100

Dry dressing of soybean [*Glycine max* (L.) Merrill] cv. CO 3 seeds with near nano size botanicals to improve physiological performance during storage
V.R. Hridya, S. Lakshmi and S. Ambika.....1107

Seed quality behavior of Soybean (*Glycine max*) as influenced by different packaging materials and storage conditions
M.K. Meena, M.B. Chetti and C.M. Nawalagatti.....1113

PLANT PROTECTION

Genetic diversity in *Spodoptera litura* (Fab.) from major soybean growing states of India
B. Kiran Gandhi and R.H. Patil.....1119

***In-Vivo* and field evaluation of spinetoram 12 SC against *Lampides boeticus* on pigeonpea**
A. Sanjeevi kumar and N. Muthukrishnan.....1126

SHORT COMMUNICATIONS

Estimation of genetic variability for seed yield and its components in chickpea (*Cicer arietinum* L.) genotypes
Aybegün Ton and Adem Emin Anlarsal.....1133

Effect of spacing and fertilizer level on yield attributes of Dhaincha (*Sesbania aculeata*)
P. Rajesh, J. Sundersingh Rajapandian, K. Sharmili, S. Marimuthu and R. Suresh Kumar.....1136

Seasonal incidence of insect pests on soybean in relation to weather parameters
CNJS Arangba Mangang, K. Nandini Devi, Kh. Lenin Singh and A. Dorendro Singh.....1139

Esteemed reviewers of this issue.....1141

Author index of this issue..... 1141-1142

Key words index of this issue.....1143-1144

National Academy of Agricultural Sciences (NAAS) Rating : 6.15

Impact Factor: .116 (ISI)

Scientific Journal Ranking (SJR) : 0.205



Agricultural Research Communication Centre

1130, Sadar, Karnal - 132 001, India

Phone : 92555 40308, E-mail : contact@arccjournals.com ; editor@arccjournals.com

www.arccjournals.com/www.ijarjournal.com