

CONTENT

Page No.

REVIEW

Closing the Gap in the “ABC” Model in Legumes: A Review

Manuel Hidalgo, Cynthia Ramos, Jonathan Vásquez-Regalado, Gastón Zolla

1465

GENETICS AND BREEDING

Simple Sequence Repeats Marker based Detection of Genetic Diversity of Indian Bean *Dolichos lablab* (L.) of Family Fabaceae

Vishwajeet Singh, Rajdeep Kudesia, Seema Bhadauria

1476

Crossability Barriers in Interspecific Hybridization of Ricebean [*Vigna umbellata* (Thunb.) Ohwi and Ohashi] with Other *Vigna* Species

Neelam Bhardwaj, Tanuja Kapoor, Parveen Sharma

1484

Genetic Component and Vr-Wr Graphical Analysis in Blackgram [*Vigna mungo* (L.) Hepper]

Neha Sharma, R.K. Mittal, V.K. Sood

1490

Isolation of Gamma Ray Induced Urd Bean [*Vigna mungo* (L.) hepper] Mutants with Improved Batter Quality

C. Vanniarajan, J. Souframanien, S. Anandhi Lavanya

1496

Investigation through Bangladesh Flora: Critically Endangered Medicinal Species of Fabaceae

I. Jahan, M.A. Rahman

1501

PLANT PHYSIOLOGY

Differential Responses on Chlorophyll Content, Osmolyte Accumulation and Membrane Damage Parameters under Salinity Stress on Tolerant and Susceptible Genotypes of Groundnut

Apurba Pal, Anjan Kumar Pal

1506

Evaluation of Antioxidant and Antifungal Activity of the Whole Part of *Dactyloctenium aegyptium* Weed on Bengal Gram

Alka Sahrawat, Jyoti Sharma, Subhash Kumar Jawla

1517

Influence of Potassium on Growth, Yield, Water Relation and Chlorophyll Content of Greengram [*Vigna radiate* (L.) Wilczek] in Inceptisols

V.V. Goud, N.M. Konde, C.P. Jaybhaye, P.S. Solunke, V.K. Kharche

1523

Prediction of Germination Percentage Through Electrical Conductivity in White and Coloured Coated French Bean (*Phaseolus vulgaris* L.)

Sitki Ermis

1528

AGRONOMY

Simultaneous Production of Both Lac and Pulse from Pigeonpea [*Cajanus cajan* (L.) Millsp.] for Doubling Farmers' Income

Rahul Patidar, Shivam Vajpayee, Sumit Kakade, Moni Thomas, Niraj Tripathi,
Anubha Upadhyay, Brajesh Kumar Namdev, Anil Kurmi, H.L. Sharma, P.S. Kulhare 1532

Effect of Different Land Configuration, Superabsorbent and Nutrient Management on Yield and Economics of Soybean (*Glycine max* L.) -Safflower (*Carthamus tinctorius*) Cropping System

C.K. Bhadre, W.N. Narkhede, M.M. Desai 1540

Effects of Different Bio-fertilizer Treatments on the Growth and Quality of Alfalfa

Zhen Liu, Zichao Li, Shaochong Wei, Pengyuan Yang, Guixia Liu 1547

Impact of Cluster Front Line Demonstrations on Productivity and Economics of Lentil (*Lens culinaris* L.), Chickpea (*Cicer aeritinum* L.) and Field Pea (*Pisum sativum* L.) in Old Alluvial Zone of Malda, West Bengal, India

Paramita Bhowmik, Paramita Biswas, Suddhasuchi Das 1553

Micro-nutrients Seed Priming and *rhizobium* Coating on Seed Vigour, Crop Growth and Seed Yield in Blackgram (*Vigna mungo* L.)

S. Kavitha, P. Srimathi 1559

Growth and Productivity of Chickpea (*Cicer arietinum* L.) Varieties as Influenced by Seed Rate and Nipping in the Irrigated Arid Western Plain Zone

Ashok Choudhary, P.S. Shekhawat, A.S. Godara, S.P. Singh, Sheilendra Kumar 1564

Effect of Soil Type on the Nutritional Quality of Groundnut (*Arachis hypogaea* L.) in Burkina Faso

Fatoumata Hama-Ba, Roland Kaboré, Roger Kaboré, Mamoudou H. Dicko 1568

PLANT PROTECTION

Efficacy of Three Entomopathogenic Fungi *Beauveria bassiana*, *Metarhizium anisopliae* and *Lecanicillium lecanii* Isolates against Black Bean Aphid, *Aphis fabae* (Scop.) (Hemiptera: Aphididae) on Faba bean (*Vicia faba* L.)

Tawfiq Qubbaj, Rana Samara 1572

Genetic and Morphological Variability among the Isolates of *Fusarium oxysporum* f. sp. *lentis* causing Wilt of Lentil

Anshul Arya, Sujata Singh, K.P.S. Kushwaha, Yogita Bohra, Arun Kushwaha, Roopali Sharma 1580

Effect of *Liquid Rhizobium* with Organic Bio-stimulants on Growth, Yield Attributes and Yield of Leguminous Blackgram [*Vigna mungo* (L.) Hepper]

R. Ajaykumar, K. Harishankar, K. Sivasabari, P. Rajeshkumar, T. Saranraj, J. Aravind, S. Kumaresan 1587

Esteemed Reviewers of This Issue 1593

Authors Index of This Issue 1593

Keywords Index of This Issue 1594