

Contents

International Journal of Agriculture, Environment and Biotechnology

VOL. 15, NO. 3, SEPTEMBER 2022

PLANT PHYSIOLOGY

- Evaluating the Effects of Borax as Priming Agent on Germination and Seedling Parameter 663
Payal Chakraborty and Padmanabh Dwivedi
- Effect of Solid Matrix Priming Combined with Plant Extracts on Seedling Studies of Papaya 669
Baishali Roy and Ankan Das
- Combination of Halo Priming Accompanied with Hormonal Priming on Papaya Seed Development 675
Jayasree Sen and Ankan Das

BIOCHEMISTRY

- Development and Comparison of Regression Models for Determination of Starch in Chickpea Using NIR Spectroscopy 683
Madhu Bala Priyadarshi, Anu Sharma, K.K. Chaturvedi, Rakesh Bhardwaj and Mohar Singh

PLANT PROTECTION

- Symptomatology Study in Different Wheat Varieties in Response to *Puccinia graminis tritici* 693
Shipra Sharma, Rashmi D. and S.I. Patel
- Influence of Climatic Change on Pests and Diseases of Flue-Cured Virginia (FCV) Tobacco in India- Need for Potential Strategies 699
S.S. Sreenivas
- Performance of Native *Trichoderma* spp. and Copper Enriched Fermented Whey Preparation for Management of Tomato Damping-off Disease 709
Win Win Khaing, Kishor Chand Kumhar, Rajender Singh Beniwal and Ravinder Singh Chauhan

AGRONOMY

- Effect of Sowing Methods and Seed Rates on Phenological, Physiological and Yield Parameters of Chandrasur (*Lepidium sativum* L.) 721
B. Bhagora, K.C. Meena, D.K. Patidar, Nitin Soni, B.K. Patidar and B.K. Kachouli

HORTICULTURE

- Qualitative Assessment of Guava and Wood Apple Blended Jelly Cubes 727
Ashwini, N., Sanjana, G., K. Vijaya Lakshmi and Wankhede Seema Dashrath

ANIMAL HUSBANDRY

- Augmentation of Developmental Competence of Immature Cattle Oocytes Supplemented with Growth Factors in Culture Media 733
Shiva Prasad, Rohit Kumar, Muthu Karunakaran, Ashok Santra and Subrata K. Das

AGRICULTURE EXTENSION

- Attitude of Rural Hisar towards *Swachh Bharat* Mission- A Training Approach 739
Monika Sharma and Pooja Sharma

AGRICULTURAL STATISTICS

- Statistical Modeling and Trend Analysis of Jackfruit Production in the Districts of Kerala in India 745
Manish Kumar and S. Vivek Menon

MICROBIOLOGY

- The Distinctive Endophytic Bacterial Isolates Obtained from Coffee (*Coffea arabica* L.) RCRS, Thandigudi 753
K. Sharan, A. Nismal Aswin and S. Soundara Rajan

MOLECULAR BIOLOGY

- Biochemical and Molecular Characterization of Sweet Sorghum Varieties and Hybrids 765
U.S. Dalvi, P.U. Barve, M.S. Shinde and R.M. Naik
- Structure Analysis and Molecular Simulation Study of ACC Deaminase Mutants from *Pseudomonas* sp., an Endophyte in Reducing Abiotic Stress in Plants 773
Deeksha Suresh, Aditi Athreya, Elisha Lobo, Vivek Chandramohan, Sunil Kumar C and Sasmita Sabat
- Gene Expression Programming For Forest Fire Risk Modeling In Western Himalayas 781
Divya Mehta, Parminder Kaur Baweja, R.K. Gupta, Parul Barwal, Diksha Bali and Parveen Kashyap

HOME SCIENCE

- Awareness, Cultivation and Consumption Practices of Microgreens among Urban Women of Varanasi: An Interventional Study 789
Shahzadi Khatoon and Mukta Singh