

# Contents

**International Journal of Agriculture, Environment and Biotechnology**

---

**VOL. 17, NO. 04, DECEMBER 2024**

---

## RESEARCH PAPERS

- Influence of Cattle Breeds-Specific Bio-Formulations on Soybean Phenology 653  
*Arjun Singh, Rameshwar Kumar, Janardan Singh and R.P. Sharma*
- Elucidation of Yield Potential in Proso millet under Rainfed Cultivation in North Eastern Agro-Climatic Zone of Tamil Nadu, India 657  
*K. Sathiya, A. Nirmalakumari, C. Vanitha, P. Ayyadurai, C. Harisudan, S.R. Shri Rangasami, G. Sathiyarayanan and M. Kathiravan*
- Growth and Yield Characteristics of Three Species of Oyster Mushroom (*Pleurotus* spp.) Treated with Lime 663  
*Samuel C. Chukwu, Emmanuel O. Okporie, Ede Peace, Emmanuel A. Ude, Mohd Y. Rafii, Oladosu Yussuff and Kazeem K. Olalekan*
- Performance Evaluation and Ergonomic Assessment of Pea Planter 673  
*Radhna Gupta and Sushant Bhardwaj*
- Effect of Season and Birth Weight on Reproductive Performance of Sahiwal Heifers in an Organized Herd 679  
*R.K. Meena, Indrasen Chauhan, Santosh Kumar and Ajesh Kumar*
- Biocontrol of Sheath Blight (*Rhizoctonia solani* Kühn) in Rice (*Oryza sativa* L.) by Native *Trichoderma* Isolates 687  
*Ram Nandan Yadav, Hira Kaji Manandhar, Kishor Chandra Dahal, Gopal Bahadur K.C. and Laximeshwar Yadav*
- Correlative Analysis of Various Parameters in Fresh Fruit Juices and Packaged Fruit Juices 695  
*Anupama Sharma, Shivani Guleria and Anjali Singh*
- Farmers Attitude towards Climate Smart Agriculture in Bangladesh: A Case Study of Dhamrai Upazila, Dhaka 701  
*S.M. Faruk-Ul-Alam, Sabina Akhtar and Nazir Ahmad Mir*
- Proximate Composition Analysis of Coco-Nipa Cookie: Basis for Product Optimization and Production 711  
*Eddilyn B. Plaza and John Manuel C. Buniel*

## REVIEW PAPERS

- Ecological Aspects of Crop Production in Relation to Integrated Nutrient Management – An Overview 719  
*Akhilesh Chandra Singh and Shashi Kant Tripathi*
- A Review on Invention of Automatic Closed Canopy Chamber for Evapotranspiration Measurement 727  
*Deepak Kumar, Vikash Singh and H.D. Rank*
- Spent Mushroom Substrate- Prospects and Challenges of Agro-waste Management into Sustainable Solutions: A Review 731  
*Sudipto Sarkar, Srijoy Bayen, Sujan Samanta and Dibyarupa Pal*
- Production of Green Fodder: A Way to Increase Milk Productivity and Strengthen Dairy Farming in India 743  
*Sheshnath Mishra, Saurabh Dixit, T.P. Singh, Varun Tripathi and Jyoti Singh*
- Impact of Climate Change on Drought: A Comprehensive Review 749  
*Jyotsana Pandit and Anish Kumar Sharma*
- Biocontrol Potentials of *Bacillus* Species: A Focus on the Emerging *Bacillus nakamurai* 765  
*Mehara Nijamudeen, Anjali Anne Jacob, Adithya R Pillai and Angela John*