

Contents

International Journal of Bioresource Science

Vol. 13, No. 01, June 2026

RESEARCH PAPERS

- Precision Nutrient Management in Maize (*Zea mays* L.) through STCR-Based Fertilizer Prescriptions and the Dhartimitra Decision-Support Tool in Alfisols of Southern Karnataka 1
Krishna Murthy, R., Shivakumara, M.N., Govinda, K., Bhavya, N., Mohammed Saeedulla, H., Basavaraja, P.K., Gangamrutha, G.V., Sanjay Srivastava, Immanuel Chongboi Haokip and Pradip Dey
- Genetic Parameters and Secondary Trait-Based Selection for Drought Tolerance in Maize Hybrids 13
Dhanalakshmi, T.N. and Shashidhara, N.
- Effect of Phosphorus Management and Mulching on the Growth and Yield of Sunflower in Coastal Saline Areas of South 24 Parganas 23
Shobhanika Barik, Tanuj Kumar Mandal, Saumi Goswami and Antara Pramanik
- Assessment of Trait Associations and Genetic Diversity in Finger Millet (*Eleusine coracana* L.) Germplasm 29
K. Jyothermayee Sree Satyavalli, N. Anuradha, Lal Ahmed, M. and T.S.S.K. Patro
- Effect of Nutrient Levels on Productivity, Profitability and Stability of Pre-released Kodo Millet (*Paspalum scrobiculatum* L.) Genotypes under Rainfed Conditions 35
Pushpa, K., Madhusudan, R., Mamatha., V.V., Sukanya, T.S., Palanna, K.B. and Prabhu, C.G.
- Nitrogen Rates Affect the Growth and Yield of Pearl Millet and Sorghum in Kiambu and Bomet Counties, Kenya 45
Drusilla Cherono, Mwendu Ngie, James Mutegei and Joseph Gweyi-Onyango
- Effectiveness of Digital Extension Platforms in Enhancing Farmers' Knowledge and Decision-Making Ability: A Field-Level Assessment 55
Pallavi, G. and Shashidhara, N.
- Study the Response of Various Doses of Phosphorus and Sulphur on Growth, Yield Attributes, Yield and Quality of Sesame (*Sesamum indicum* L.) 65
Vishaldeep Bhardwaj, Amar Nath Singh, Pradipta Ranjan Pradhan, Deepayan Roy and Raveena Negi

Host Plant-Mediated Variation in Mustard Aphid (<i>Lipaphis erysimi</i> Kaltenbach) Abundance among Popular Rapeseed–Mustard Cultivars in Coastal Agroecosystem	71
<i>Abhijit Ghosal, Madhurima Dutta, Prasenjit Kundu and Anupam Mukherjee</i>	
Potentiality of Tomato Seedling Priming through Biological Approaches for Sustainable Production	81
<i>Prasenjit Kundu, Abhijit Ghosal, Anupam Mukherjee and Monidipta Saha</i>	
Improvement in Banana Fibre Quality through Enzymatic, Chemical and Physical Modifications	87
<i>Kartick K. Samanta, Sayantan Chakraborty, S. Basak, Deb Prasad Ray and D.B. Shakyawar</i>	
REVIEW PAPERS	
Sorghum's Potential in Marginal Environments: Importance, Distribution, Diversity, Stress Tolerance, and Bio-enhancement with AMF and Silicon	97
<i>Catherine W. Muui</i>	
Cultivation of Nutrient-Dense and Climate-Resilient Small Millets for Achieving Sustainable Development Goals	115
<i>Sagar Maitra, Masina Sairam, Shaik Rishitha, Harun I. Gitari, Dinkar J. Gaikwad, Santosh D.T., Satya Prasad Nanda, N. Swathi and Sumit Ray</i>	
Comparative Study of Natural Fibres as Sustainable Oil Sorbents: Recent Developments in Modification Techniques and Oil Absorption Performance	129
<i>Deb Prasad Ray, Santanu Basak, Kartick K. Samanta, Manisha Jagadale, Naveen Jose, Sanjoy Debnath, D.B. Shakyawar, Sudipta Bhowmick, Krishanu Adhikary and Rachayetri Mitra</i>	
Influence of Delayed Sowing on Physiological Traits and Canopy Dynamics in Jute (<i>Corchorus olitorius</i> L.): A Narrative Review with Emphasis on LAI, LAR and SLA	147
<i>Debashis Ghosh, Sananda Mondal, Debasis Panda and Deb Prasad Ray</i>	
Beyond Yield: Integrating Ecosystem Services and Digital Regenerative Agriculture for Sustainable Food Systems	157
<i>Prithusayak Mondal, Amrita Kumar Sarkar, Jayashree Dey Sarkar, Riti Chatterjee, Gunja Kumari, Deb Prasad Ray and Tarun Paul</i>	
Soil Health–Driven Strategies for Sustainable and Climate-Resilient Horticulture: A Critical Review with Comparative Insights and Future Directions	165
<i>Debarpita Datta Ray, Arju Ali Khan, Arindam Das, Jeeban Kumar Pramanik, Goutam Kumar Pandit, Deb Prasad Ray and Prithusayak Mondal</i>	