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- Effects of Phosphorus Levels, Phosphate Solubilizing Bacteria applications at Varying doses and Techniques on Plant Stand, oil Content and Yield of Sunflower (*Helianthus annuus* L.)
Chandana Mudigiri, A. Aziz Qureshi, S. Harish Kumar Sharma and S. Triveni 1651-1655

- Responses of IBA and NAA on Shoot and Root Growth of Semi Hard wood Cuttings of Guggul [*Commiphora wightii* (Arn.) Bhan.]
Anshul Kumrawat, K.C. Meena, Monika Dhakad, M.K. Tripathi, J. Bhandari and I.S. Naruka 1656-1661
- Seed Replacement Ratio in Different Selected Crops of NFSM Tribal beneficiaries' farmers in Northern hills of Chhattisgarh India
Akanksha Pandey and V.K. Sharma 1662-1666
- Genetic Divergence Analysis in Tuberose (*Polianthes tuberosa* L.) Ggenotypes
Kishalayee Gogoi, Madhumita Choudhury Talukdar, Pranob Talukdar and Sanjenbam Sher Singh 1667-1671