



ICAR-Indian Institute of Oil Palm Research



Research Papers - 2021

Anitha Pedapati, Mathur, R.K., Ravichandran, G., Babu, B.K., and Bhagya, H.P. 2021. Evaluation of bunch quality components in Dura x Dura progenies of Zambia and Cameroon sources of oil palm germplasm. *J Envi Biology*. 42(6): 1567-1577

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Kalyana Babu, B., Mathur, R.K., Venu, M.V.B., Sandip Shil, Ravichandran, G., Anita, P., Bhagya, H.P. 2021. Genome-wide association study (GWAS) of major QTLs for bunch and oil yield related traits in *Elaeisguineensis* L. *Plant science*. 305: 110810.

Manorama Kamireddy, Sanjib Kumar Behera, Kancherla Suresh, MV Prasad, R K Mathur and P Harinarayana. 2021. Mulching and technological interventions avoid land degradation in an intensive oil palm (*Elaeisguineensis* Jacq.) production system. *Land Degradation and Development*. 32 (13): 3785-3797.

Manorama Kamireddy, Sanjib Kumar Behera, Suresh Kancherla. 2021. Establishing optimal nutrient norms in leaf and soil for oil palm in India. *Industrial Crops and Products*. 174 (2021): 114223.

Murugesan, P., Ramajayam, D., Preethi, P., Bhagya, H.P., Ravichandran, G., Anitha, P., Somasundaram, G., Mathur, R.K., Damodaran, V., and Pandey, V. 2021. Identification and evaluation of bunch components of Nigerian source oil palms (*Elaeis guineensis* Jacq.) from Hut Bay, Little Andaman Island, India. *J Envi Biology*. 42: 678-686. DOI: <http://doi.org/10.22438/jeb/42/3/MRN-1152>.

Prasad MV, Vidhan Singh T, Shivashankar S, Ananta Sarkar. 2021. Perception of oil palm growers on ablation tool performance in oil palm cultivation. *Andhra Agri. J*. 68(1): 120-125.

Sanjib K Behera, Arvind K Shukla, Kancherla Suresh, Kamireddy Manorama, Ravi K Mathur, Anil Kumar, Parasa Harinarayana, Chandra Prakash, Ajay Tripathi. 2020. Oil palm cultivation enhances soil pH, electrical conductivity, concentrations of exchangeable calcium, magnesium, available sulphur and soil organic carbon content. *Land Degradation and Development*. 31(18): 2789 – 2803

Sanjib K Behera, Kancherla Suresh, Arvind K Shukla, Kamireddy Manorama, Ravi K Mathur, Kaushik Majumdar. 2021. Soil and leaf potassium, calcium and magnesium in oil palm (*Elaeisguineensis* Jacq.) plantations grown on three different soils of India: Status, stoichiometry and relations. *Industrial Crops and Products*. 168 (2021) : 113589.

Suresh, K., Sanjib Kumar Behera, Manorama, K and Mathur, R.K. 2021. Phenological stages and degree days of oil palm crosses grown under sub-tropical conditions. *Annals of Applied Biology*, 178(1): 121-128. <https://doi.org/10.1111/aab.12641>