

All India Co-ordinated Research Project on (Sunflower)



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Technologies/ Patents developed/Varieties released, Technologies included under Package of Practices of University

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Project operated as PI :

1. Melia dubia based agroforestry system for environmental sustainability & livelihood security of farmers in different agroclimatic zones of Southern Karnataka

Project operated as Co-PI

1. Standardization of Agrotechniques for maize based intercropping system
2. Revalidation of Package of practices for Sunflower hybrid of UAS Bengaluru

Trainings Undertaken (National & International)

1. Conservation and utilization of plant genetic resources in plantation and spice crops
2. Recent advances in organic production systems involving oilseeds for soil health and export
3. Digital teaching techniques
4. Big data analysis

Publication (Research paper, review paper, book and book chapter)

1. SOMASHEKAR, K. S., RAJASHEKARAPPA, K. S., BASAVARAJAPPA AND GIRIHESH, G. K., 2019, Effect of different mulches and insitu green manuring on soil chemical, biological properties and weed dynamics in maize. International Conference on Role of Agricultural Engineering towards Global Food Security, The Institution of Engineers, Karnataka state Centre, Bengaluru, 11-13th April, pp:125-128.
2. SOMASHEKAR, K. S., SUJITH, G. M., UMA, M. S., RAMESH, K., NEHRU, S. D., SRINIVAS REDDY, K. M. AND MANJULA, C. P., 2020, Efficacy of pre and post emergent herbicide on growth and yield of sunflower under modified spacing. National oilseed seminar on technological innovations on oilseed crops for enhancing productivity, profitability and nutritional security, 7-8th February, Indian Institute of Oil Seed Research, Rajendranagar, Hyderabad:336-342.
3. MAJEED PASHA, M. D., RAJASHEKARAPPA, K. S., CHIKKARAMAPPA, T., DEVARAJA, K. AND SOMASHEKAR, K. S., 2019, Effect of different organic mulches and green manuring on physical, chemical and biological properties of maize (*Zea mays L.*) in alfisols of Karnataka. Int. J. Chem. Studies, 6(6): 862-865.
4. PRAJWAL KUMAR, G. K., LALITHA, B. S., SHAMSHAD BEGUM, S. AND SOMASHEKAR, K. S., 2019, Effect of foliar nutrition on nutritional quality of baby corn and dehydrated baby corn enriched products. Int. J. Pure App. Biosci., 6(2): 107-113.
5. PRAKASH. G., MUDALAGIRIYAPPA, SOMASHEKAR, K. S., AND SHIVANAND GOVDRA, 2020, A novel approach for increasing productivity under precision nitrogen management in maize through crop sensors. J. Pharmacognosy phutochemistry. 9(5):97-103.