

## RESEARCH PAPERS:

1. Ajay, B.C., S.K. Bera, A.L. Singh, Narendra Kumar, M.C. Dagla, K. Gangadhar, H.N. Meena and A.D. Makwana. 2021, Identification of stable sources for low phosphorus conditions from groundnut (*Arachis hypogaea* L.) germplasm accessions using GGE biplot analysis, **Indian J. Genetics**. 81(2): 300-306.
2. Ajay, B.C., K.T. Ramya, R. Abdul Fiyaz, G.Govindaraj, S.K. Bera, Narendra Kumar, K. Gangadhar, Praveen Kona, G.P. Singh G.P and T. Radhakrishnan. 2021, R-AMMI-LM: Linear-fit Robust-AMMI model to analyze genotype-by environment interactions, **Indian J. Genetics**. 81(1): 87-92.
3. Damodar Reddy D., M Anuradha, J Poorna Bindu, L K Prasad and V Krishnamurthy. 2021. Potassium supply strategy for enhancing productivity and nutrient use efficiency in FCV tobacco grown in northern light soils of Andhra Pradesh. **Journal of Agrisearch**: 8(3): 208-214.
4. Gangadhara, K and H.K. Gor. 2022. Genetic Variability and G×E Interactions in a Diverse Set of Groundnut Accessions. **Legume Research** <https://doi.org/10.18805/lr-4664>
5. Gangadhara K., M.C. Dagla, Kona Praveen, B.C. Ajay, Narendra Kumar, Sushmita, Kirti Rani, Kiran Kumar Reddy, and H.K. Gor. 2021. EMS Induced Variability for Pod Yield in Ground nut (*Arachis hypogaea* L.), **Frontiers in Crop Improvement** 9 (2): 116-121.
6. Ghosh R., S. Majumder, A. Bhattacharyya, A.Paul, Z. Khan, D.P. Ray, S.N. Chattopadhyay A.Pardeshi, D.B.Shakyawar and K. Banerjee. 2021. Introducing a low-cost jute activated carbon as a novel cleanup agent in multiclass pesticide residue analysis using gas chromatography tandem mass spectrometry. **Journal of Cleaner Production**. 319: 128696
7. Gopalareddy K., Bhudeva Singh Tyagi, S.K. Singh, H. M. Mamrutha, Satish Kumar, C.N. Mishra, Hanif Khan, K. Gangadhara, U. Govinda Reddy, G. Singh and G.P. Singh. 2021. Genomic Selection: Rapid Genetic Gain through Genome-Wide Prediction in Crop Plants, **Genomics**. 1113:1070-1086.
8. Hema, B., D. Damodar Reddy, A. Srinivas, Y. Subbaiah and S. Kasturi Krishna. 2021. Determinants of Crop Diversification in FCV Tobacco Growing Areas of Andhra Pradesh and Karnataka. **Tob. Res.** 47 (1): 39-44.
9. Kasturi Krishna, S., T.G.K. Murthy, K. Siva Raju and S.V. Krishna Reddy. 2020. Tobacco leaf biomass enhancement for alternative uses by management practices in different lines. **Tob. Res.** 46(2): 53-57.
10. Kumaresan, M., P. Manivel and D. Damodar Reddy. 2020. Performance of chewing tobacco poly tray seedlings under levels of nitrogen and drip irrigation. **Tob. Res.** 46(2):75-78.

11. Kumaresan, M., P. Manivel and D. Damodar Reddy. 2020. Effect of different organic manures on the production of chewing tobacco poly tray seedlings and its resultant effect on the growth, yield and economics. **Tob. Res.** 46(2):79-82.
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13. Kumar, P., A. Kar, D.R. Singh, A. Perumal, S.G. Shivamurthy, K. Viswanatha Reddy, P.S. Badal, A.L. Kamble, V. Kamalvanshi, G.K. Jha, M.S. Nain, P. Pachiyappan, A. Alataway, A. Dewidar and H.O. Elansay. 2021. Protected Cultivation of Horticultural Crops in Uttara hand- an Economic Analysis. **Agronomy.** 11, 692.
14. Kumar, S., Kumar, T. K, Singh, J B, Prasad, M and Ghosh, P K. 2021. Effect of food-fodder farming on sustainable resources use and carbon dynamics in rainfed semi-arid tropics of India. **Communications in soil science and plant analysis** 52 (18): 2177-2190.
15. Kumar, S., Louhaichi, M, Dana Ram, P. Tirumala, K K, Ahmad, S, Rai, A K, Sarker, A, Hassan, S, Liguori, G, Probir Kumar, G, et al. Cactus Pear (*Opuntia ficus-indica*) productivity, Proximal Composition and soil parameters as affected by planting time and agronomic management in a semi-arid region of India. **Agronomy.** 2021, 11, 1647.
16. Kumar, T K., D. Damodar Reddy, C. Chandrasekhararao and S. Kasturi Krishna. 2020. Resource use efficiency and system productivity as influenced by crop intensification in FCV tobacco growing Vertisols of Andhra Pradesh. **Tob. Res.** 46(2): 66-68.
17. Mahadevaswamy, M., C.Chandrashekara Rao, D. Damodar Reddy, S. Ramakrishnan and P. sreenivas. 2021. Agronomic measures for enhancing seedling growth & field establishment, crop growth, leaf productivity and quality of FCV tobacco grow in KLS. **Tob. Res.** 47 (1): 35-38.
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21. Nanda, C., K. Sarala, P. Nagesh and S. Ramakrishnan. 2021. Heritability and genetic variability studies in the germplasm accessions of flue cured Virginia tobacco (*Nicotiana tobaccum* L.) **Emergent Life Science Research** 7(1): 36-39.
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23. Paramesh, V., N. Ravisankar, U.K. Behera, V. Arunachalam, P. Kumar, R.S. Rajkumar, S. Misra, M. Kumar, A.K. Prusty, D. Jacob, A.S. Panwar, T. Mayekar, K. Viswanatha Reddy, Rajkumar and Susitha. 2021. Integrated farming system for achieving food and nutritional security, enhancing profitability, employment opportunity, and climate resilience in India. A Review'. **Food and Energy Security** (Accepted)
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28. Prasad, L.K, C. Chandrasekhara Rao, D. Damodar Reddy, K. Padmaja and N. Johnson. 2021. a New Extract ant for Concurrent Estimation of Nicotine, Reducing Sugars and Chlorides of Cured Leaf Tobacco. **Communications in Soil Science and Plant Analysis**., (Accepted).
29. Praveen K., M.K. Mahatma, K. Gangadhara, B.C. Ajay, Narendra Kumar, Kiran Kumar Reddy, M.C. Dagla, T. Lokesh Kumar and H.K. Gor. 2021, Evaluation and identification of promising advanced breeding lines for quality and yield traits in groundnut (*Arachis hypogaea* L.), **International Journal of Agricultural Sciences** 17(2): 280-286.
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32. Sailaja Jayasekharan, B., Sreedhar, U. and Venkateswarlu, V. 2021. Population dynamics of *Mesomorpha villiger* Blanchard in FCV Tobacco. **Tob. Res.** 47 (1): 1-4.
33. Sarala, K., K. Baghyalakshmi, K. Prabhakara rao, D. Damodar reddy, P. Vinay, G. Kiran and P. Sonia. 2020. Morphological diversity and relationships patterns among a set of air-cured exotic germplasm accessions of *Nicotiana tabacum*. **Tob. Res.** 46(2):41-46.
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35. Sarala, K., K. Baghyalakshmi, K. Prabhakara Rao, D. Damodar Reddy, P. Vinay, P. Sonia, G. Kiran and K. Santinandivelu. 2021. Characterization of a subset of tobacco germplasm and its core collection. **Tob. Res.** 47(1): 24-34
36. Sivaraju, K., D. Damodar Reddy, S. Kasturi Krishna, C. Chandra Sekhara Rao and H. Ravisankar. 2021. Evaluation of organic and inorganic fertilizers on chemical and biochemical quality constituents of burley tobacco. **Journal of Agrisearch.** 8(3):201-207.
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42. Sushmita Singh, Amritlal Singh, Rinku Dey, Mahesh Mahatma, Kiran Reddy, Anuj Kumar Singh, K. Gangadhara and S.K. Bishi. 2021, Insights into the physiological and

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44. Venkateswarlu, P., U. Sreedhar, M.V. Jayakrishna and A. Suresh Babu. 2021. Integrated management of tobacco leaf curl virus disease transmitted by whitefly, *Bemisia tabaci* in FCV tobacco. **Tob. Res.** 47(1): 13-17.
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### **Information Brochures:**

1. Damodar Reddy, D., H. Ravisankar, B. Hema, U. Sreedhar, C. Chanrasekhara Rao, K. Sarala, S. Kasturi Krishna and Md. Elias. 2020. Standard package of production practices for FCV Tobacco in NLS region of Andhra Pradesh. ICAR-CTRI/2020/IB4.
2. Damodar Reddy, D., H. Ravisankar, B. Hema, U. Sreedhar, C. Chanrasekhara Rao, K. Sarala, S. Kasturi Krishna, M. Anuradha and Md. Elias. 2020. Standard package of production practices for FCV Tobacco in SLS region of Andhra Pradesh. ICAR-CTRI/2020/IB5.
3. Damodar Reddy, D., H. Ravisankar, B. Hema, U. Sreedhar, C. Chanrasekhara Rao, K. Sarala, S. Kasturi Krishna, P. Venkateswalu and Md. Elias. 2020. Standard package of production practices for FCV Tobacco in Black Soil region of Andhra Pradesh. ICAR-CTRI/2020/IB6.
4. Damodar Reddy, D., S. Ramakrishnan, M. Mahadevaswamy, U. Sreedhar, C. Chanrasekhara Rao, K. Sarala, S. Kasturi Krishna, H. Ravisankar and Md. Elias. 2020. Package of sustainable production practices for FCV Tobacco in Karnataka Light Soils region. ICAR-CTRI/2020/IB7. (Kannada Language)

### **Technical Bulletins:**

1. Damodar Reddy, D., B. Hema, K. Viswanatha Reddy, C. Chandrasekhara Rao, V. Parameswara Rao and J. Vasanthi. 2021. Impact of Farm Management Interventions on Income from Research Farms: a case of ICAR – CTRI.
2. Three pamphlets in Kannada local language on – (1) Fertilizer application/management, (2) Topping and desuckering and (3) Pest management & pesticide usage for FCV tobacco were prepared and published jointly along with tobacco board & trade for the benefit of FCV Tobacco growers in KLS

### Book & Book Chapters:

1. Chakurkar E. B., A.R. Desai, M. Thangam, K.K. Manohara, N. Shivasharanappa, P.P. Gokuldas, R.S. Rajkumar, G.R.Mahajan, R. Susitha, K. Vishwanatha Reddy, G.B. Sreekanth, V. Paramesha, B. Das, S. Desai, H.B. Chethan Kumar, T. Mayekar and N. Nayak. Coastal Agricultural Resource Inventory: an overview and way forward. (2020), ICAR–CCARI, Old Goa, Goa, India. ISBN - 978-93-5406-829-4, pp: 1-288.
2. Gopalareddy, K., K. Gangadhara, Siddanna Savadi, Satish Kumar, B.S. Tyagi H.M. Mamrutha, S.S.Yadav, Gyanendra Singh and G.P. Singh. 2021. Omic technologies and Molecular Farming: Applications and challenges in Omics technologies for sustainable agriculture and global food security, Springer publications, pp:26-47.
3. Rajendra Prasad, Y.S. Shivay and Sunil Mandi. 2022. Phytosiderophores and absorption of iron and other cations by plants. In: Upadhay, S. (ed.), Cation transporters in plants, Academic Press. DOI:10.1016/B978-0-323-85790-1.00028-2.
4. Satish Kumar, K. Gopalareddy and K. Gangadhara. 2021. Population Improvement in Crop Plants, Classical and Molecular approaches in Plant Breeding, edited by Amrajeet Kumar, Birendra Prasad and Anil Kumar, Narendra Publishing House, pp 126-136.
5. Singh A.L., Kirti Rani, Rupak Jena, Praveen Kona, K. K. Reddy and K. Gangadhar. 2021. Microbes-based bio-stimulants towards sustainable oilseeds production: Nutrient's recycling and genetics involved. In: Sustainable Agriculture: Advances in microbe-based biostimulants, Sustainable Agriculture: Microorganisms as Biostimulants (New and Future Developments in Microbial Biotechnology and Bioengineering), 2:111-130, Elsevier Scientific publishers <https://doi.org/10.1016/C2020-0-02062-1>.
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7. Sreedhar, U., V.Venkateswarlu, B.Sailaja Jayasekharan and S.K. Dam. 2021. Tobacco: Important Bacterial and Viral Diseases of National Significance and their Management. In: Ed. M.R.Khan, Z. Haque and F.Ahmad. pp.551-568. Plant Diseases of Nationally Important Field Crops. Today and Tomorrow Printers & Publishers, New Delhi. pp. 551-568.
8. Sreedhar, U. 2020. Integrated insect pest management in Tobacco-Present Status and Future Strategies. Ed; Pranab Dutta and Ardhendu Chakraborty In: Current Trends in Plant Health Management. Biotica.

### Popular Articles:

1. Sailaja Jayasekharan B, U. Sreedhar, V. Venkateswarlu and D.V.Sravan Kumar. 2021. Mitra Purugulu Evo Telusaa? (Do you know about friendly Insects?). **Raitu Nestham**. 16(9):29-31.
2. Sailaja Jayasekharan B, V. Venkateswarlu, K.Suman Kalyani and U. Sreedhar. 2021. Pogakulo sasya Rakshana mandula avaseshala Bedadanu adhigaminchadam ela (How to overcome residues of crop protection agents in tobacco ?) **Eruvaaka** 1(8): 32-34.

3. Sailaja Jayasekharan B, V. Venkateswarlu, and U. Sreedhar. 2021 Saagulo saleella Pramukhyata. (Importance of Spiders in agriculture). **Raitu Nestham**. 17(4): 45-47.
4. Satyapriya Singh, Deepa Samant, Y.N. Venkatesh Y. N., Pratap A. Divekar, Anindita Paul and Sujana Majumder. 2021. Giant Red Velvet Mite: An Astonishing Creature, **PLANTA – Vol.-3, 2021: 691 - 694** ISBN: 978 – 81 – 953419 – 5 – 5