

BRIEF PROFILE



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Employment record	Date of joining - 10 th February, 2009 (ICAR-NAARM) Scientist - 2009- 2013 (ICAR-CICR, Nagpur) Scientist (Sr.Scale)-2013-2018 (ICAR-CICR, Nagpur) Senior Scientist - 2018 (ICAR-CICR, Nagpur) Joined at ICAR-NIRCA (CTRI) RS, Hunsur on 03.02.2025
Publications	Raghavendra K. P., J. Das, R. Kumar, S. P. Gawande, H. B. Santosh, J. A. Sheeba, S. Kranthi, K. R. Kranthi & V. N. Waghmare, 2021. Genome- wide identification and expression analysis of the plant specific LIM genes in <i>Gossypium arboreum</i> under phytohormone, salt and pathogen stress. <i>Scientific Reports</i> 11, 9177. https://doi.org/10.1038/s41598-021-87934-0 (NAAS rating: 10.60) - Abdelmoghny, A.M., Raghavendra, K.P.*, Sheeba, J.A. H. B. Santosh, Jayant H. Meshram, Suman Bala Singh, K. R. Kranthi & V. N. Waghmare 2020. Morpho-physiological and molecular characterization of drought tolerance traits in <i>Gossypium hirsutum</i> genotypes under drought stress. <i>Physiol Mol Biol Plants</i> 26, 2339–2353. (Corresponding author; NAAS rating: 9.50) Raghavendra K.P., Rakesh Kumar, Joy Das, Santosh H.B., Sachin A more, Ramakrishna N, Shilpa G Chawla, Sandhya Kranthi, Keshav Raj Kranthi 2020. Quantitative real-time PCR based evaluation and validation of reference genes in <i>Gossypium arboreum</i> L. <i>Indian Journal of Agricultural Sciences</i> 90 (1), 40-47. (NAAS rating: 6.40) - Das, J., Kumar, R., Shah, V., Raghavendra, K. P., & Sharma, A. K. (2023). Identification and functional characterisation of N-acetylglucosamine kinase from <i>Helicoverpa armigera</i> divulge its potential role in growth and development via UDP-GlcNAc salvage pathway. <i>International Journal of Biological Macromolecules</i>, 242, 124674. (NAAS rating: 14.20) - Prabhulinga T, Sandhya Kranthi, *Raghavendra K.P, Rishi Kumar, Ruchika Suke, Shilpa Chawla & Keshav Raj Kranthi 2020. Mitochondrial COI based genetic diversity and phylogeographic structure of whitefly <i>Bemisia tabaci</i> (Gennadius)

	on cotton in India. Int J Trop Insect Sci. https://doi.org/10.1007/s42690-020-00354-x (Joint first author) (NAAS rating: 7.20) 6. V. Chinna Babu Naik, Pratik P.Pusadkar, Sandesh T.Waghmare, Raghavendra K.P., Sandhya Kranthi, Sujit Kumbhare, V. S. Nagrare, Rishi Kumar, Tenguri Prabhulinga, Nandini Gokte-Narkhedkar & V. N.Waghmare 2020 Evidence for population expansion of Cotton pink bollworm <i>Pectinophora gossypiella</i> (Saunders) (Lepidoptera: Gelechiidae) in India. Scientific Reports 10:4740. (NAAS rating: 10.60) 7. Shailesh Gawande*, Raghavendra K.P.*, Dilipmonga, Dipak Nagrale, Sandhya Kranthi 2019, Rapid detection of Tobacco streak virus (TSV) in cotton (<i>Gossypium hirsutum</i>) based on Reverse Transcription Loop Mediated Isothermal Amplification (RT-LAMP). Journal of Virological Methods 270: 21-25 (Equal contribution-Joint first author) (NAAS rating: 9.10) 8. Abd El-Moghny M*, Santosh HB, Raghavendra KP*, Sheeba JA, Singh SB and Kranthi KR (2017). Microsatellite marker based genetic diversity analysis among cotton (<i>Gossypium hirsutum</i>) accessions differing for their response to drought stress, Journal of Plant Biochemistry and Biotechnology, 26 (3): 366–370 (Equal contribution - Joint first author) (NAAS rating: 7.90) 9. Ravishankar, K. V., K. P. Raghavendra, V. Athani, A. Rekha, K. Sudeepa, D. Bhavya, V. Srinivas, and L. Ananad. "Development and characterisation of microsatellite markers for wild banana (<i>Musa balbisiana</i>)." <i>The Journal of Horticultural Science and Biotechnology</i> 88, no. 5 (2013): 605-609. (NAAS rating: 7.90) 10. Patil, P. G., Singh, N. V., Bohra, A., Raghavendra, K. P., Mane, R., Mundewadikar, D. M., Babu, K. D., & Sharma, J. 2021, Comprehensive Characterization and Validation of Chromosome-Specific Highly Polymorphic SSR Markers from Pomegranate (<i>Punicagranatum</i> L.) cv. Tunisia Genome. <i>Frontiers in plant science</i>12, 645055. https://doi.org/10.3389/fpls.2021.645055. (NAAS rating: 11.60)
Award / Honours	• IARI Merit medal for "Outstanding academic performance" in Ph.D, 2010. • University Merit fellowship, 2004-05, University of Agricultural Sciences (UAS), Bengaluru. • Cotton Research and Development Association (CRDA) scientist of the year (below 45 years) 2024. • Best oral presentation Award for the paper on “Embryo culture assisted speed breeding for transgene introgression in Cotton (<i>Gossypium hirsutum</i>), 2022. • Best paper "RT-LAMP a new biotechnological tool for Diagnosis of Tobacco streak virus an emerging threat to cotton growing belt of Central and South India" Indian Phytopathological Society (IPS), WestZone , 2018.