

BRIEF PROFILE



Name of the Scientist	Dr. T. Kiran Kumar
Designation	Scientist, Senior Scale
Personal Information	
	Date of birth: 11.03.1983 Email: kiranagro1@gmail.com ; kiran.tirumala@icar.gov.in Telephone No. (O): Mobile No: 9793996527
Educational Qualification	M.SC. (Ag.), Ph.D
Discipline	Agronomy
Date of joining in ICAR	27.04.2011
Service Particulars	Scientist, ICAR-IGFRI Jhansi from 27.04.2011 to 26.04.2015 Scientist, (Sr. Scale) ICAR-IGFRI Jhansi from 27.04.2015 to 05.09.2015 Scientist (Sr. Scale), ICAR-CTRI Rajahmundry from 06.09.2016 onwards
Areas of expertise (3 bullets)	• Resource conserving technologies (RCTs), Crop intensification and diversification strategies for improving productivity and soil health in different crops and cropping systems. • Integrated farming systems for improving livelihood, farm income and employment generation in irrigated and rainfed conditions. • Integrated weed management, farm mechanization and other cost reduction strategies for improving productivity and farm income
Research Publications (top 10 published in scientific journals with NAAS rating)	Author(s), Year. Title. Journal title (full name and in italics) Volume number (bold): Page-page.<to be ended by period> 1. 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. <i>Communications in soil science and plant analysis</i> 52 (18): 2177-2190. (NAAS rating:) 2. Palsaniya, D R, Kumar, S, Das, M M, Kumar, T K, Chaudhary, M, Chand, K, Rai, S K, Ahmed A, Sahay, C S and Choudhary M. 2021. Integrated multi-enterprise agricultural system for sustaining livelihood, energy use and resource recycling: a case study from semi-arid tropics of central India. <i>Agroforestry systems</i> 95(8): 1619-1634. (NAAS Rating:) 3. 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 (<i>Opuntia ficus-indica</i>) Productivity, Proximal Composition and Soil Parameters as Affected by Planting Time and Agronomic Management in a Semi-Arid Region of India. <i>Agronomy</i> 2021, <i>11</i>, 1647. https://doi.org/10.3390/agronomy11081647 (NAAS rating:) 4. Kumar, T K, Rana, D S. and Lata, N. 2019. Legume residue and N management for improving productivity and N economy and soil fertility in wheat (<i>Triticum aestivum</i>) based cropping systems. <i>National Academy of Science Letters</i>. 49(4): 297-307. https://doi.org/10.1007/s40009-018-0744-9. (NAAS Rating: 6.42).

	5. A.K. Mishra, Sunil Kumar, T. Kiran Kumar, S. Ahmed, D.R. Palsaniya, P.K. Ghosh, M. Louhaichi, A. Sarker, S. Hassan and S. Ates. 2018. Nutrient intake and utilization in sheep and opuntia [<i>Opuntia ficus-indica</i> (L.) Mill.] in combination with conventional green and dry fodders. Range Management and Agro forestry 39 (1): 97-102. (NAAS Rating 6.28). 6. A.K. Dixit, Sunil Kumar, A.K. Rai and T. Kiran Kumar 2015. System productivity, profitability, nutrient uptake and soil health in chickpea (<i>Cicer arietinum</i>)–fodder sorghum (<i>Sorghum bicolor</i>) cropping system. Indian Journal of Agronomy 60(2): 205-211 (NAAS Rating: 5.55). 7. Palsaniya, D. R, Kiran Kumar, T, Prabhu, G, Dixit, A. K, Rai, A. K. and Sunil Kumar. 2015. Weed Dynamics in Fodder Oat (<i>Avena sativa</i> L.) Genotypes. Range Management and Agroforestry 36 (1): 107-108. (NAAS rating 6.28). 8. Kumar, T K. and Venkateswarlu, B. 2013. Baby corn (<i>Zea mays</i> L.) performance as vegetable-cum-fodder in intercropping with legume fodders under different planting patterns. Range Management and Agroforestry 34(1): 137-141. (NAAS rating 6.28). 9. Kumar, T K , Rana, D S. and Mirjha, P R. 2013. Legume stover and nitrogen management effects on system productivity, energetics and economics of wheat (<i>Triticum aestivum</i>)-based cropping systems. Indian journal of Agronomy. 58(1): 19-26 (NAAS Rating: 5.55) 10. 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. Tobacco Research. 46(2): 66-68. (NAAS Rating 3.33).
Awards/ Honours/ Recognitions (in bullets)	❖ Received Best Ph.D Thesis award from Indian Society of Agronomy at National Symposium held at PAU, Ludhiana November 18-20, 2014. ❖ Received best poster award for the original paper entitled “Tillage effects on crop productivity and moisture dynamics in fodder sorghum based cropping systems under rainfed condition” by T Kiran Kumar, Manoj Chaudhary, DR Palsaniya, Sunil Kumar and AK Dixit was given during International conference on “Natural Resource Management for Food Security and Rural Livelihood” 10-13 February, 2015 New Delhi, INDIA. ❖ Received best poster award on the “Assessment of different herbicides selectivity to fodder cowpea through laboratory and field experiments” (Prabhu G, Srinivasan R, Chaudhary M, Palsaniya DR, Kiran Kumar and Dixit AK, 2014) during “National symposium on Climate resilient forage production and its utilization” held at BCKV, Kalyani, West Bengal, India from Nov, 13-14, 2014 ❖ Best poster award for the original paper entitled “Non conventional fodder resources: Cactus a potential crop for arid and semi-arid regions of India” by S. Ahmed, T Kiran Kumar, Sunil Kumar, A.K. Rai, A.K. Mishra and P.K. Ghosh was given during 4th National symposium organized by The society of Agricultural professionals, Kanpur at IGFRI, Jhansi during 20-21 February 2016 ❖ Received ICAR Vasantha Rao Naik award for outstanding research and application in dryland farming during 88th ICAR Foundation day held on 16th July, 2016. ❖ Best poster award for the original paper entitled “Doubling farm income through water harvesting and perennial based rainfed farming systems in drought affected Bundelkhand region” authored by D.R. Palsaniya, Sunil Kumar, T. Kiran Kumar, A. Ahmed, M. Chaudhary, S. K. Rai, Sunil Kumar, M. M. Das, C.S. Sahay, Khem Chand, M.S. Sharma, V. Kumar and P. Kumar at RMSI National Symposium conducted during March 3-4, 2017, RVSKVV Gwalior, M.P

	❖ Best team award at 57th Foundation day of ICAR-IGFRI Jhansi for significant contribution on “Livestock based integrated faming system for sustainable productivity” by Sunil Kumar, D.R. Palsaniya, , MM Das, Sunil Kumar, T. Kiran Kumar, M. Chaudhary, Akram Ahmed, S. K. Rai, Khem Chand, C.S Sahay, M.S. Sharma, and Shivhari. ❖ Best paper award for the research paper entitled “System productivity, profitability, nutrient uptake and soil health under tillage, nutrient and weed management in rainfed chickpea-fodder sorghum cropping system by A.K. Dixit, Sunil Kumar, A.K. Rai and T. Kiran Kumar was given during national symposium organised by Indian Society of Agronomy, New Delhi at MPUAT, Udaipur, Rajasthan. ❖ Received ‘Certificate of Appreciation’ as oral speaker on the topic entitled “Management of broomrape (<i>Orobanche</i> sp.) in tobacco through innovative integrated management practices” in the biennial conference of Indian Society of Weed Science held during 5-7 February 2020 at ICAR-Central Coastal Agricultural Research Institute, Goa, India.
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