

PROFILE OF THE SCIENTIST



1. Name of Scientist : Dr. Dileep Kumar *Ph. D*

2. Personal Bio-data:

a. Position/Designation : Scientist

b. Contact Detail:

(i) ICAR Email ID : dileep.kumar2@icar.gov.in

(ii) Personal Email ID : dilip.iari@gmail.com

(iii) Mobile Number : 9312944581

c. Joining Dates

(i) ICAR : 15/09/2011

(ii) IISR : 07/07/2017

d. Discipline and Specialization: Agronomy Conservation agriculture, Nutrient and Weed Management

e. Training/Advance Exposure in the Area of Work Done:

Title of the Course	Organizing Institution	Duration
Soil Conservation and Agroforestry	ICAR-Indian Institute of Soil and Water Conservation	Five and half month days (April 16, 2012 -Sep 30, 2012)
Modern genomic tools and Breeding Strategies for Biotic and Abiotic Stress Management in Sugarcane	ICAR- Indian Institute of Sugarcane Research, Lucknow 226002	ICAR Sponsored 10 days Short Course Training (Oct 25, to Nov. 03,2017)
Advances in Sugarcane Mechanization Technologies to Reduce Cost of Operations and Drudgery for Enhancing Farmers' Income	ICAR- Indian Institute of Sugarcane Research, Lucknow 226002	ICAR Sponsored 10 days Short Course Training (Oct 25, to Nov. 03,2017)
94th Foundation course for Agriculture Research Service	ICAR-National Academy of Agricultural Research and Management	Three month 15/09/2011 to 14/12/2011

f. Contribution in Scientific Advancements:

- I have worked for crop diversification in Yamuna ravines.
- Water Budgeting and development of contingency planning for different kharif and rabi crops.
- Development of IFS modules for the farmer of the Yamuna ravines.
- Development of crop, agroforestry module according to availability of water and soil condition.
- I have working with the objectives to better management of binding weeds in sugarcane
- I have working toward the better management of late initiated ratoon for enhancement of farmer income

3. Future planning of research:

- Improved Agrotechniques for Sugarcane
- Integrated Nutrient and weed Management
- Agro-techniques for late initiated Ratoons crops

4. Publication:

Sanjeev Kumar, Shiva Dhar, **Dileep Kumar**, Bipin Kumar, Ranglal Meena and Hariom 2014
Bio fortification of crop residues for animal feeding in maize-wheat cropping system through integrated potassium management Range Mgmt. & Agroforestry 35 (2) : 220-226

Sanjeev Kumar, Shiva Dhar, Ashok Kumar and **Dileep Kumar** (2015) Yield and nutrient uptake of maize (*Zea mays*)–wheat (*Triticum aestivum*) cropping system as influenced by integrated potassium management *Indian Journal of Agronomy* 60 (4): 511-515

Raman Jeet Singh, Roshan Lal Meena , N. K. Sharma, Suresh Kumar , Kuldeep Kumar and **Dileep Kumar** (2016) Economics, energy, and environmental assessment of diversified crop rotations in sub-Himalayas of India *Environ Monit Assess.* 188:79

Sanjeev Kumar, Shiva Dhar, Sharmistha Barthakur, M. Chandrakala, S.A. Kochewad, L.R. Meena, L.K. Meena, Sudhir Kumar, Magan Singh and **Dileep Kumar**(2018) Effect of Integrated Potassium Management on Soil Biological Properties and Yields of Corn under Corn-Wheat Cropping System *Int.J.Curr.Microbiol.App.Sci* 7(12): 1855-1866

Dileep Kumar, Shiva Dhar, Sajeev Kumar, Dinesh Chand Meena and Ram Bhawan Meena
Effect of Zinc Application on Yield Attributes and Yield of Maize and Wheat in Maize-
Wheat Cropping System. *Int.J.Curr.Microbiol.App.Sci* 8(1): 1931-1941

Abstract:

KK Sharma, SK Dubey, **Dileep Kumar** and AK Singh (2017) Development and Management of Land and Water Resources in a Ravine Watershed in the Proceeding of 1st Asian Conference on Water and land Management for Food and Livelihood Security(WLMFLS-2017 During January 20-22,2017 at IGKV, Raipur(Chhattisgarh) India

VP Singh, KK Singh and **Dileep Kumar** (2018) Impact of trash mulching as an active component of integrated weed management technique for season-long weed control in Sugarcane *In Proceedings of XXI Biennial National Symposium of Indian Society of Agronomy, 24–26 October, 2018* at MPUAT, Udaipur, Rajasthan

Dileep Kumar, Shiva Dhar, Sanjeev Kumar And Dinesh Chand Meen (2018) Effect of zinc application on economics and nutrient uptake in maize-wheat cropping system *In Proceedings of XXI Biennial National Symposium of Indian Society of Agronomy, 24–26 October, 2018 at MPUAT, Udaipur, Rajasthan*

Dileep Kumar, V P Singh and K K Singh 2019. Effect of variable plant density and seed sowing depth of *ipomoea spp.* on its growth behavior. (In) abstract: **SUGARCON-2019 “Green Technologies for Sustainable Development of Sugar & Integrated Industries during 16-19 February 2019 at ICAR-IISR, Lucknow.**

b. Popular article:

V. P. Singh, Dileep Kumar and K. K. Singh (2018) Management of problematic weeds in sugarcane *Indian Farming* **68**(11): 58–63

Seminar/Symposia/workshop attended:

- Attended International Conference on Global ravine Conference on Managing Ravines For Food security and Livelihood Security During March 07-10, 2016
- Attended workshop on Intellectual, Property, technology Management and entrepreneurship & development during March 22nd 2018 At IISR, Lucknow.
- International Conference on Green Technologies for Sustainable Development of Sugar & Integrated Industries, Feb 16-19, 2019 at ICAR-IISR, Lucknow.

- Participated in AICRP on Sugarcane Crops Annual Group Meeting UAS, Dharwad Karnatka during October 14-16, 2019