

Dr. Vivak Kumar

Asstt. Professor, Agril.Engg & Food Technology

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Educational Qualification: B.Tech (Agril. Engg.) & M.Tech (FPM) From CCSHAU,Hisar, Ph.D From SVPUA&T, Meerut,NET- qualified

Area of Specilization: Farm Power & Machinery (**Conservation Agriculture**)

Experience : 11 years of Teaching and Research

Teaching of Courses (B.Sc (Ag.)/ B.Tech/ M.Tech) : Farm Machinery and Power Engineering, Renewable Energy , Thermodynamics, Basics of Instrumentation, Fundamentals of Soil &Water Conservation Engg, Packaging and Handling of Food, Processing of Cereals , Pulses & Oilseed,Farm Structure & Environmental Control

Students Guided: Guided 02 M.Tech students and Guiding 02 M.Tech students

Research: External Funded Projects

- Worked as PI in 01 and Co-PI in 02 externally funded projects
- Working as cordinator in 01 SVPUA&T-IRRI Research project funded by IRRI

No. of Publications:

Published 02 books, 03 practical/technical manuals, 01 book chapter, 03 research papers in International Reserch Journals, 16 research papers in NAAS rated journals, 03 full length papers in conferences and 60 abstracts in national and international seminars/symosia.

05 Best Papers:

1. **Vivak Kumar**, Y.S.Saharawat, MK Gathala, A.S.Jat, S.K.Singh, Neelam Choudhry and M.L.Jat 2013. Effect of different tillage and seeding methods on energy use efficiency and productivity of wheat in Indo-Gangetic Plains. *Field Crop Research*.**Vol. 142**: 1-8.
2. MK Gathala, J.K.Ladha, **Vivak Kumar**, Y.S.Saharawat and Himanshu Pathak 2011. Tillage and crop establishment affects sustainability of South Asian Rice-Wheat system. *Agronomy Journal*.**Vol. 103 (4) :961-971**.
3. MK Gathala, J.K.Ladha, Y.S.Saharawat,Virendra Kumar, **Vivak Kumar** and Pardeep K.Sharma 2011.Effect of Tillage and crop establishment methods on physical properties of a medium textured soil under a seven year rice-wheat rotation.*Soil Sci.Soc. American Journal*. **Vol. 75(5) :1851-1862**
4. **Vivak Kumar**, D.N.Sharma and P.K.Sardana 2002. Techno Economic Evaluation of Bed Seeding Technique in Wheat Crop. *J. Agricultural. Engineering*, **Vol. 39(2):32-43**.
5. **Vivak Kumar**, D.N.Sharma and M.K.Garg 2004. Trends of Farm Power Sources in Haryana State. *Agricultural. Engineering Today*, **Vol. 28(5-6):59-64**.

International/ National Training/ Exposure:

- Attended 05 weeks Advanced Course on Conservation Agriculture: “Laying the ground for sustainable and productive cropping system” from May 21 to June 22, 2012 at **CIMMYT, El-Batan, Mexico.**
- Attended 21 days Summer School on Resource conserving techniques for improving input use efficiency and crop productivity held at division of Agronomy, IARI, New Delhi from 4th -24th , September 2007.
- Attended in 21 days training programme on Remote Sensing and GIS organized by ISRO Haryana Remote Sensing Application Centre, Hisar during 01 – 21, December 2005.

Additional Duties:

- Working as a coordinator in **SVPUA&T-IRRI** collaborative program
- Working as Assistant Pool Officer of the University
- Incharge of Farm Power & Machinery Lab. of the Deptt.

Future Plan of Research:

- In area of conservation agriculture technologies
- In Micro-irrigation techniques and residue management