

SCIENTIST PROFILE

1. Name & Designation : Dr. Yogesh Kumar, Senior Scientist
2. Date of Birth : 30th June, 1970
3. Date of joining ICAR : 21st March, 2012
4. Date of joining, present post : 21st March, 2012
5. Qualification (Highest degree) : Ph.D



6. Post Doctoral Research Experience/Training:

- Attended three months International training on “Genomics Assisted Breeding on Chickpea” at United State Department of Agriculture-Agriculture Research Service, Washington State University, Pullman, WA, USA from 25th March, 2010 to 25th June, 2010.
- Attended one month International Training on Hybridization Techniques, Screening for Biotic and Abiotic Stresses, Field Plot Techniques, Electronic Data Capturing, Management of Analysis in Chickpea and Lentil at ICARDA, Aleppo, Syria from 13th April, 2008 to 14th May, 2008.

7) Area of Specialization/research interest:

- Development of biotic (Bacterial Leaf Blight) and abiotic stresses (drought, heat tolerant), short duration Rice varieties / hybrids suitable for direct seeding.
- Conventional and Molecular basis of weed competitiveness under upland rice ecosystem
- Marker Assisted Selection for Rice Improvement under upland rice ecosystem

8) Significant Contribution including products and patents (five bullets):

- Desi chickpea variety Birsa Chana 3 has been released by SVRC, Jharkhand on the basis of my previous work as Junior Scientist (Chickpea Breeder) position from November, 2005 to March at Birsa Agricultural University, Ranchi, Jharkhand.
- Four chickpea varieties KWR 108, KPG 59 (both desi), HK94-134, KAK 2 (Kabuli) has already been recommended (through proper channel) for Jharkhand on the basis of five years multilocal data including farmers field data.
- Promising chickpea entries i.e. BAUG 2, BAUG 3, BAUG 1 (2005-06), BAUG 4, BAUG 7, BAUG 12 (2009-10), BAUG 8, BAUG 11, BAUG 13 (2011-12) were entered in AICRP trials.
- Participated in Vth International Congress on Legume Genetics and Genomics (ICLGG) was held at Asilomar, San Francisco, California (USA) from 2-8 July, 2010 and two poster papers presented on “Assessment of 275 world-wide collected chickpea accessions using molecular approaches” and “Inheritance and linkage study of several morphological traits in lentil”.
- Participated in International Symposium Sustainable rice production and livelihood security: challenges and opportunities organized by ARRW was held at Central Rice Research Institute, Cuttack, Odisha, India from March, 2-5 2013 and presented a poster paper on Comparative yield performance of rice varieties (HYV & hybrids) under drought prone conditions in Jharkhand.

9. Awards/Honours:

- Best Poster Award-2009 for the poster presented at ICGL was held at IIPR, Kanpur from 14-16 Feb, 2009 under Biodiversity and Genetic Enhancement Category.
- First Position-1994 by Janta Mahavidyalay, Ajitmal, Kanpur University, Kanpur for securing first position in M.Sc. in the Agricultural Botany.
- First Position-University Gold Medal-1996 by Ch. Charan Singh University, Meerut for securing first position in M. Phil in the Agricultural Botany.

10. Publications (10 best):

- i. Kumar R, Nitin M, Khalkho AS, Sultan NS and **Kumar Y** (2013). Impact assessment of pesticides on growth response of beneficial soil bacterium. **International Journal of Recent Scientific Research** 4(4): 415–419.
- ii. Akhtar J, Murmu HP, **Kumar Y** and Singh PK (2012). Genotypic response and soil sickness for identification of resistant donors against Fusarium wilt of lentil. **Journal of Food Legumes** 25(1): 81-82.
- iii. **Kumar Y**, Mishra SK, Akhtar J, Ghosh J and Sharma B (2010). Inheritance of peduncle length in lentil (*Lens culinaris* Med.). **Journal of Food Legumes** 22(4): 246-247.
- iv. **Kumar Y**, Mishra SK, Sarker A, Tyagi MC and Sharma B (2007). Linkage between genes for leaf size, leaf shape, stipule size, pod size and globe plant type in lentil. **Journal of Lentil Research** 3: 12–17.
- v. **Kumar Y**, Mishra SK, Tyagi MC, Singh SP and Sharma B (2005). Linkage between genes for leaf colour, plant pubescence, number of leaflets and plant height in lentil (*Lens culinaris* Med). **Euphytica** 145: 41–48.
- vi. **Kumar Y**, Mishra SK, Tyagi MC, Singh SP and Sharma B (2005). Inheritance of genes for three pigmentation traits in lentil. **Indian Journal of Genetics and Plant Breeding** 59: 107-112.
- vii. **Kumar Y**, Singh SP, Mishra SK, Giri S, and Hoque ME (2005). Arrangement of Four Genes in the Linkages Group I of Lentil (*Lens culinaris* Medik.). **Bangladesh Journal of Agricultural Research** 30(4): 615-621.
- viii. **Kumar Y**, Mishra SK, Tyagi MC and Sharma B (2005). Detection of two linkage groups in lentil (*Lens culinaris* Medik.). **Indian Journal of Genetics and Plant Breeding** 64(4): 306–309.
- ix. **Kumar Y**, B Sharma, SK Mishra and MC Tyagi (2005). Linkage between genes for flower colour, seed coat pattern and seed coat color in lentil. **Journal of Lentil Research** 2: 22-26.