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Dr. Anil Sirohi, born in 1962, did B.SC from Himachal Pradesh University, Shimla in 1983, M.Sc. (Ag.) in Plant Breeding from GB Pant University of Agriculture and Technology, Pantnagar in 1986, and Ph.D in Plant Breeding from HPKV, Palampur in 1989. , Served as Assistant Scientist ( Plant Breeding) at CSKHPKV, Palampur *w.e.f.* Nov. 1989 – Nov.1994; Assistant Scientist Sr. Scale ( Plant Breeding) at CSKHPKV, Palampur *w.e.f.* Nov. 1994 – Nov.1998; Scientist (Plant Breeding) , CSKHPKV, Palampur *w.e.f.* Nov.1998 – Aug.2003; Associate Professor, Department of Genetics and Plant Breeding, College of Agriculture, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut *w.e.f.* Aug.2003 – Nov.2006; Professor Department of Genetics and Plant Breeding, College of Agriculture, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut *w.e.f.* Nov.2006 – Nov.2007; Professor Department of Molecular Biology and Genetic Engineering, College of Biotechnology, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut *w.e.f.* Nov.2007 – Present. He visited Cornell University, Ithaca, New York. Faculty Coordinator in Cornell’s International Agricultural and Rural Development (IARD) 4020 and 6020 courses, which focus on agriculture in developing nations and featured advanced e-learning platforms and an experiential field visit to India in January 2012 and January 2013. As a Nodal Officer AIP and Dean College of Biotechnology, he has been responsible for notable improvement in the infrastructure, curriculum development and establishment of e-learning system. He gave new directions to the education and reviewed and revamped course curriculum of B. Tech. Biotechnology program of SVPUA&T, and courses on critical thinking/ethics, soft skills, e-learning, computer competence, and entrepreneurship development and gender and societal and experiential learning issues are included. New innovative experiential learning programs namely, (1) “Student Applied Biotechnology Experience in Industry (SABEI)” and (2) “Student Market Applied Research Team (SMART)” and Bioscience internship has also been introduced in the restructured curricula. As a

researcher he has developed/identified 6 varieties of pulses which have been recommended and included in package of practices for adoption in the state (2 in chickpea, 3 in urdbean and 1 in lentil). At present handling 2 USAID funded projects (Agriculture Innovation Partnership Project as Nodal Officer since 2011 and Obama Singh Initiative Project as PI) and 2 UPCAR funded projects( as Co-principal investigator) and 1 UPCST funded projects( as Co-principal investigator) ; presently working on improvement of wheat and rice using Marker assisted selection in collaboration with Molecular Biology Laboratory, Department of Genetics and Plant Breeding, College of Agriculture. Dr. Sirohi has to his credit 195 publications including over 75 research papers in reputed national and international journals, over 90 lead papers and Abstracts in National and international conferences, edited books and proceedings book chapters, books, proceedings and popular articles. He has been teaching Genetics, Plant Breeding and Biotechnology courses since 1989 and has guided 6 M.Sc. and 1 Ph.D. students in Genetics and Plant Breeding and 10 M. Tech. Students in Biotechnology. He has established good organizational capability in organizing several national and international conferences and workshops.

### **Selected Publications**

1. D.Singh, A. Kumar, **A. Sirohi**, P. Kumr, J. Singh, V. Kumar, A. Jindal, S. Kumar, N. Kumar, V. Kumar, V. Sharma, S. Gupta and S. Chand (2011). Improvement of Basmati rice (*Oryza sativa* L.) using traditional breeding technology supplemented with molecular markers. *African Journal of Biotechnology* 10(4): 499-506.(International Impact factor 0.565 NAAS rating 7.6)
2. Kumar, N., Singh,D, Sachin, Sirohi,P., Kumar,A, **Sirohi, A**, Kumar,V, Malik, Vikas and Chand, S. (2010). Identification of genes for resistance to blast (*Magnaporthe oryzae*): Molecular breeding strategies for improvemen of rice (*Oryza sativa* L.). *Vegetos*: 23(1):151-155
3. Singh, Jitender, Anchal Rani, Pankaj Kumar, V.K. Baranwal, P.L. Saroj and **Anil Sirohi**.2012. First report of a 16SrII-D phytoplasma 'Candidatus *Phytoplasma australasia*' associated with a tomato disease in India. *New Disease Reports* 26, 14.
4. Singh, A, **Sirohi, Anil**. And Panwar, K.S. 1997. Inheritance of mungbean yellow mosaic virus resistance in urdbean (*Vigna mungo* (L) Hepper). *Indian J. Virol.* 14(1): 89-90.
5. Singh, D. A. Kumar, **A. Sirohi** and H.S. Dhaliwal (2010). Introgression of genes for dwarfism (*sd1*) and bacterial leaf blight resistance (*Xa21* and *xa13*) into basmati rice using phenotype and marker assisted selection. *Prog. Agri.*10 (3): 166-168. (NAAS Rating 3.6)
6. Singh, Jitender, Juhi Bhardwaj, Pankaj Kumar, Priya Tomar, Anchal Rani, Rosy Rani Amit Kumar Singh and **Anil Sirohi** (2012) In silico-identification and comparative analysis of candidate gene encoding proline in *Lens culineris*. submitted *Journal of Legume Research - An*

International Journal (Accepted).

7. Thakur, Sanjay K and **Sirohi, Anil** (2009). Correlation and Path analysis in Chickpea (*Cicer arietinum* L.) under different seasons. *Legume Research an international Journal*; 32(1):1-6