

Personal Details



Dr. Arun Kumar Singh
Principal Scientist

Address : ICAR Research Complex for Eastern Region , Research Centre,
Ranchi-10 , Ranchi, Jharkhand

Email-ID : aksingh171162@rediffmail.com

Research Interest

Improvement in Vegetable crops and farming system Research

Research Highlights

1. Development of bacterial wilt resistant and high yielding varieties/hybrids in Solanaceous vegetables (tomato, brinjal and Capsicum) suitable for open field and protected cultivation.
2. Development of improved high yielding varieties in Cucurbitaceous vegetables (bottle gourd, cucumber, bitter gourd and pointed gourd)

Memberships / Fellowships

1. Life member of Indian Society of Vegetable Science
2. Life member of Horticulture Society of Haryana
3. Life member of Journal of Potassium Research
4. Life member of Indian Society of Plant Genetic Resources

Technology Developed

- Tomato two open pollinated (Swarna Lalima and Swarna Naveen) and 4 hybrids (Swarna Samridhi, Swarna Sampada, Swarna Vijaya, Swarna Deepti and Swarna Anmol for protected cultivation)
- One open pollinated sponge gourd (Swarna Prabha)
- One open pollinated cucumber (Swarna Poorna)
- Swarna Praphulya: OP variety of Chilli
- Swarna Atulya: OP variety of Capsicum

Publication Details

1. Singh, A.K. and Pan, R.S.(2009).Combining ability analysis in Chilli (Capsicum annum L.) Ind. J. of Pl. Gen. Resources 22 (1):50-52.
2. Pan, R.S., Singh, A.K ., Kumar, S. and Rai, Mathura.(2009). Studies on genetic divergence in lablab bean through principal component analysis. Indian J. Hort. 66 (4): 483-487
3. Pan, R.S., Singh, A.K., Kumar, S. and Rai, Mathura (2008). Genetic variation and character association in vegetable amaranth (Amaranthus tricolor L.). Vegetable Science, 35 (1): 81-83
4. Pan, R.S., Das, Bikash., Kumar, S., rai, Mathura., and Singh, A.K.(2007). Dynamics of leaf phenolic content and conidial germination in relation to powdery mildew resistance in garden pea genotypes. Veg., Sci., 24 (2): 127-134
5. Singh, A.K. and Singh, Akhilesh (2001). Correlation and path coefficient analysis of some quantitative traits in brinjal (Solanum melongena L.). Crop Res. 22(3) : 499-502.
6. Singh, A.K. (2001). Head yield of Broccoli as influenced by different dates of transplanting under low-hills subtropical condition of Himachal Pradesh. The Hort. J., 14(3) : 66-67
7. Singh, A.K. (2003). Variability and correlation studies for certain metric traits in French bean (Phaseolus vulgaris L.). The Hort. J. 16 (2) :99-101
8. Singh, A.K., Pan, R.S., Rai, Mathura and Prasad, V.S.R.K. (2003). Genetic studies of quantitative traits in brinjal (Solanum melongena L.). Veg. Sci., 30(2) : 195-197
9. Pan, R.S., Singh, A.K., Rai, Mathura. and Kumar, S. (2006). Stability analysis of yield and its component in bush type French bean. Veg. Sci., 33 (2): 145-148