



ICAR-National Bureau of Fish Genetic Resources

Canal Ring Road, Dilkusha PO, Lucknow-226002, India



Name Dr. Achal Singh

Designation

Date of birth

July 05,1972

Professional experience

Qualification (PG and above)

Senior Scientist (Agri. Stat.)

Ph.D. (Applied Maths), I.I.T., B.H.U.

M.Sc. (Gold medalist), F.Sc., B.H.U.



Current area of Research

Multivariate Analysis, Bayesian Modelling and ARIMA modeling.

Area of Research

Expertise

More than 18 years experience in planning/designing of horticultural experiment. Time series modeling for Alternet Bearing Intensity in mango.

Awards/ Recognitions (only National and International)

N.A.

Publication (no.)

71 (www.researchget.net/prifile)

- **Research papers** 34
- **Reviews** 0
- **Books** 0
- **Book Chapters** 8
- **Popular articles** 1
- **Others Databases CD-ROM Training Manual** 0
- **Conference papers** 28

Important Research Publications

Ram Kumar, S. Rajan and **Achal Singh (2004)**. Evaluation of plantain varieties under subtropics of North India. *Indian Journal of Agricultural Sciences* 75(7):422-24.

Singh, Achal (2005). Approximaion of fruit volume by using fruit dimensions in mango. *Indian Journal of Horticulture* 62(1): 85-87.

A.K Singh, Anju Bajpayee and **Achal Singh (2006)**. Assessment and utilization of genetic diversity in papaya cultivars in Northern plains. *Indian Journal of Agricultural Sciences* 77(11):692-4.

G. Pandey, A.N. Tripathi, S. Mandal and **Achal Singh (2007)**. Characterization of walnut germplasm through regression and principal component analysis. *Indian Journal of Agricultural Sciences* 77(7):424:26.

- G. Pandey, A.N. Tripathi, S. Mandal and **Achal Singh (2007)**. Characterization of walnut germplasm through regression and principal component analysis. *Indian Journal of Agricultural Sciences* 77(7):424-26.
- Ram Kumar, S. Rajan and **Achal Singh (2007)**. Multiple regression models for yield prediction of plantain. *Indian Journal of Horticulture* 64(2): 159-162.
- Singh A.K., Anju Bajpai, **Achal Singh**, Anurag Singh and B.M.C. Reddy (2007). Evaluation of variability in Jamun (*Syzygium cuminii* Skeels.) using morphological and physico-chemical characterization. *Indian Journal of Agricultural Sciences* 77(12):845-48.
- Rashid M. Khan, R. Kishun and **Achal Singh (2007)**. Exploration of ecto and endophytic bacterial flora in tomato-root-knot nematode crop pathosystem and their toxic potential against survival of root-knot nematode juveniles *in vitro*. *Intl. J. Nematology*, 17:94-100.
- Ram Kumar, S. Rajan; **Achal Singh (2008)**. Evaluation of banana and plantain germplasm (*Musa* spp.) for frost tolerance under field conditions in subtropics. *Indian Journal of Horticulture* 65(1):35-39.
- A.K.Singh, Anju bajpai and **Achal Singh (2010)**. Classification of Morpho- agronomic variability in papaya for developing elite cultivar. *Acta Horticulturae* 851, p.449-52.
- Devendra Kumar, Kaushlesh K. Yadav, Neelima Garg, Muthukumar M. and **Achal Singh (2013)**. Clarification of mango juice by *Aspergillus niger* cellulose using response surface methodology. *International Journal of Innovative Horticulture*, 2(1):84-90.
- Achal Singh**, V.K.Singh, H. Ravishankar and G.K. Shukla (2014). Time Series Application for Quantification of Alternate Bearing Intensity (ABI) in Mango (*Mangifera indica* L) cv. Langra. *Indian Journal of Agricultural Sciences*. **84(1)**:137-41.
- S.R. Bhriguvanshi, TarunAdak, Kailash Kumar, V.K. Singh, **Achal Singh** and Vinod Kumar Singh (2014). Impact of varying soil moisture regimes on growth and soil nutrient availability in mango. *Indian Journal of Soil and water Conservation*: 399-406.
- T. Adak. A. Singha, K. Kumar, S.K Shukla, **A. Singh** and V. Kumar Singh (2014). Soil organic carbon, dehydrogenase activity, nutrient availability and leaf nutrient content as affected by organic and inorganic source of nutrient in mango orchard soil. *Journal of Soil Science and Plant Nutrition*, 2014(2), 394-406.
- S.K. Shukla, T. Adak, Atul Singha, K. Kumar, V.K. Singh and **Achal Singh (2014)**. Response of Guava trees (*psidium Guajava*) to soil application of mineral and organic fertilizers and biofertilizers under conditions of low fertile soil. *Journal of Horticultural Research*:22(2):105-14.
- Kaushlesh K. Yadav, Neelima Garg, Devendra Kumar, **Achal Singh**, Sanjay Kumar and Muthu Kumar M. (2015). Application of Response Surface Methodology for Optimization of Polygalacturonase (PG) production by *aspergillus niger* NAIMCC-F-02958 using Mango Peel as substrate. *J. Environ. Biol.* 36.255-59.
- G.Pandey; D. Pandey; Mritynjay Tripathi; **Achal Singh** and Maneesh Mishra (2016). Studies on biochemical profiling of Indian Gooseberry (*Emblca officinalis*) for genetic diversity, *Journal of Environmental Biology*:37(2)179-84.