

### Bio data

1. Name : KRISHNA KUMAR SINGH
2. Date of Birth : 01.01.1962
3. Designation : SENIOR PRINCIPAL SCIENTIST
7. Core R& D Area : Engineering Science & Technology
8. Further Sub-Subject specialization of the area under which the activities have been carried out during the assessment period: IRRIGATION WATER MANAGEMENT AND TEA FARM MECHANIZATION
9. Highest Qualification : M. Tech (SWCE) from IIT Kharagpur (W.B.)
10. Employment details :

Sr. No.	Grade / Post	From	To	Lab./Instt.
1	Sr Principal Scientist	30.03.2012	Till date	CSIR-IHBT Palampur
2	Scientist 'EII'	30.3.2004	30.03.2012	CSIR-IHBT Palampur
3	Scientist' EI'	30.3.1999	30.3.2004	CSIR-IHBT Palampur
4	Scientist 'C'	30.3.1994	30.3.1999	CSIR-IHBT Palampur

11. Indicate contact details
  - a). Phone : 01894-201270
  - b). Mobile : 09418325636
  - c). Email ID : [kksingh@ihbt.res.in](mailto:kksingh@ihbt.res.in)
12. Members of Professional Societies /Institutions :
  1. The Institution of Engineers (India)
  2. The Indian Society of Agricultural Engineers
  3. The Indian Association of Soil and Water Conservation,
  4. The Krishi Anusandhan Parishad Allahabad (UP)

13. Research Projects being perused/Carried out by the undersigned

Sl. No	Title of Project	Project Category	Duration	Participating Agencies	Your Role as defined
1	Improvement in Productivity and Quality of Hill Area Tea	R & D	1994-2007	CSIR-IHBT Palampur	Member
2	To promote mechanization in plucking and other field operations in tea garden in Kangra district of Himachal Pradesh	R& D	1998-2001	Tea Board of India	Leader
3	Training and demonstration of Tea Farm Mechanization	Rural Sector Project	2007-20012	CSIR-IHBT Palampur	Leader
4	Tea Farm Mechanization	Supra Institutional Project	2007-20012	CSIR-IHBT Palampur	Member
5	Design, fabrication and evaluation of portable Charcoal kiln	Grand In Aid	2009-12	DBT	Member
6	Design, fabrication and evaluation of pressure seasoning machine for round bamboo	Grand In Aid	2009-12	DBT	Member
7	Irrigation networking of the Lab	Other Lab Project	2007-12	CSIR-IHBT Palampur	Leader
8	Introduction, domestication, improvement, and cultivation of economically important plants	Biological Science Cluster Project	2012-17	CSIR	Member
9	Development of Bamboo Composite Structural Elements	FTT	2018-2020	CSIR	PI
10	Development of activated bamboo charcoal	Biological Science	2018-2020	IHBT	PI

#### 14. Paper and Patents List

1. **Singh, K.K.**, Ravindranath, S.D. and Shekhawat, R. S. 2005. A comparative study of conventional and mechanised tea farm operations in Himachal Pradesh. *39<sup>th</sup> Annual Convention & Symposium of ISAE* March 9-11. FM 10:60.
2. **Singh, K.K.**, Ravindranath, S.D. and Shekhawat, R. S. 2005. Comparative studies on mechanized pruning and skiffing operations on *Camellia sinensis* L. O. Kuntze in Himachal Pradesh. *XVIII National Convention of Agricultural Engineers and National seminar on cash crops Agricultural Engineering Division of the Institution of Engineers (India)* March 26-27. ED-2005-04: 49.
3. **Singh, K.K.**, Ravindranath, S.D. and Shekhawat, R. S. 2005. A comparative study of conventional and mechanised tea farm operations in Himachal Pradesh. *Journal of Agricultural Engineering (1):15-22*
5. A continuous type multipurpose shoot sorter Inventors: Ravindranath, S.D. and Singh, **K.K.** PCT Countries Patent No: 130200 filing date: 14.03.2003.
4. A Jacket attachment for carrying portable skiffing and shoot harvesting machine. Ref No 0217 NF 2002/IN dated: 14/02/2005 Inventors: Ravindranath, S.D. and **Singh, K.K.**
5. **Singh, K.K.**, Om Prakash and Sood, A. 2009. Study the performance of pressure seasoning machine for round green bamboo. *NCAE and National Seminar on Emerging Trends of Ag. Engg. For Farm Mechanization*. Deptt. of Agricultural Engineering , COA, CSK HPKV Palampur (HP). January 20-21: 46.
6. **Singh, K.K.**, Om Prakash and Sood A. 2011. A simple portable type charcoal kiln for bamboo. *National Seminar on Augmenting Productivity of mountain Farming through Ag. Engg interventions*. 1. Deptt. Of Agril. Engg. , COA, CSK HPKV Palampur (HP), 2. Deptt. Of Agriculture, Government Himachal Pradesh 3. ISAE (HP Chapter) November 16-17 :68
7. Om Prakash, **Singh K.K.** and Sood A. 2011. Methods of bamboo preservation and effect on CCA in green round bamboo. *The Indian Forester*. 1:99-104
8. **Singh K.K.**, Om Prakash and Sood, A. 2015. A Simple portable type kiln for bamboo charcoal. *Agricultural Mechanization in Asia, Japan*. Winter 46 (1) 14-17.
9. A simple portable type charcoal kiln for wood, Sticks and leaves. Ref: 0035NF2011 dated: 19.09.2012. **Singh K.K.**, Om Prakash and Sood, Anil.
10. **Workshop:** Lecture delivered on “Appropriate irrigation for hilly region” Organized by Central Ground Water Board Dharamshala on 28 th March 2011.
11. **Workshop:** Organized Training & workshop on development of composite bamboo structural element 8<sup>th</sup> March 2019.
12. **Technical folder:** Tea Farm Mechanization