

PROF S S SINGH

(Dean, School of Natural Resources)

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Education Qualifications

S N	DEGREE	UNIVERSITY	YEAR
1	D. Phil.	H N B Garhwal University, Srinagar, Uttarakhand, India	1986
2	M. Sc.	H N B Garhwal University, Srinagar, Uttarakhand, India	1980

Area/Group of Specialization

- Forest Tree Improvement & Tree Mutagenesis
- Environment Change Impact on Forest & Watershed

Ongoing/Completed Projects

- **Assessment of Air Pollutants and its Impact on Tropical Forest of Northern Chhattisgarh.**
Funding agency: Ministry of Environment & Forest (MoEF), Govt. of India, New Delhi, India
Amount: **Rs. 57.19 Lakhs.** (Running since April 2012)
- **Application of RS & GIS for Integrated Management of Hasdeo River Watershed (A Tributary of Mahanadi River) in Chhattisgarh.**
Funding agency: Ministry of Environment & Forest (MoEF), Govt. of India, New Delhi, India
Amount: **Rs. 50.03 Lakhs.** (Running since April 2013)
- **Watershed Management of Arpa River Basin Area through Remote Sensing & GIS.**
Funding agency: Chhattisgarh Council of Science & Technology (CCOST), Chhattisgarh, India.
(Completed)

National Seminar/Conferences organized as Convener

- **“Forest, Environment and Climate Change: Issues and Challenges”, January 30-31, 2012** at Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas University, Bilaspur-495009, Chhattisgarh, India.
- **“Forest and Environment in India: Contemporary Issues and Challenges”, February 18-19, 2008** at Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas University, Bilaspur-495009, Chhattisgarh, India.
- **“Forest and Forestry Techniques”, March 23-24, 2007** at Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas University, Bilaspur-495009, Chhattisgarh, India.
- **“Recent Advances in Forest Sciences”, January 30-31, 2006** at Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas University, Bilaspur-495009, Chhattisgarh, India.
- **“Tree Biology of Himalayan and Tropical Species”, April 19-21, 1993** at Department of Botany, HNB Garhwal University, Tehri Campus, Tehri-249001, UK, India.

Editorship/Fellow

- Editorial Board Member, International Journal of Environment and Bioenergy, USA.
- Associate Editor, Chhattisgarh Journal of Science & Technology, GGV, India.
- Fellow, International Society for Conservation of Natural Resources (FNRS). BHU, India

Membership of National/International Societies

- Member, International Union of Forest Research Organization (IUFRO), Austria
- Member, International Commonwealth Forestry Association (CFA), United Kingdom
- Life Member, Indian Society of Tree Scientists, Solan, India
- Life Member, International Society for Conservation of Natural Resources, BHU, India.
- Life Member, Indian Society of Agro-forestry, NRCAF, Jhansi, India.

International Conferences/Institute Visited

- Attended International Conference on “Restoring Forests: What Constitutes Success in the 21st Century?” at Purdue University, Lafayette, Indiana, United States of America, 14th October-16th October, 2014.
- Worked at Department of Forestry & Natural resources, Purdue University, Lafayette, Indiana, USA from 17th October - 21st October, 2014.
- Attended International Conference on “Tropical Forestry Change in Changing World” at Kasetsart University, Bangkok, Thailand, 17th November- 20th November, 2008.
- Worked at Faculty of Forestry, Kasetsart University, Bangkok, Thailand from 21st November - 1st December, 2008.

- Attended 1st Forestry Congress and International Agro-forestry Conference at Forest Research Institute, Havana, Cuba, 22nd November- 24th November, 1989.
- Worked at Forest Research Institute, Havana, Cuba from 25th November-30th November, 1989.

National/International Seminar/Conferences attended	:	21
D.Phil./Ph.D. scholars awarded under supervision	:	07
Numbers of Research Scholars working for Ph.D. programme	:	03

Administrative Experiences

- **Dean**, School of Natural Resources, Guru Ghasidas University, Bilaspur, CG, India (September 2012- Continue).
- **Executive Council Member**, Guru Ghasidas University, Bilaspur, CG, India (December 2012- Continue).
- **Head**, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasidas University, Bilaspur, CG, India (September 2004 –September 2013).
- **Chairman**, Board of Studies, Forestry, Wildlife & Environmental Sciences, Guru Ghasidas University, Bilaspur, CG, India (October 2004- Continue).
- **Academic Council Member**, Guru Ghasidas University, Bilaspur, CG, India (September 2012- Continue).
- **Chief Warden**, Guru Ghasidas University Hostels, Bilaspur, CG, India (August 2009- Continue).
- **Finance Officer**, Guru Ghasidas University, Bilaspur, CG, India (August 2010- March 2011).
- **Finance Committee Member**, Guru Ghasidas University, Bilaspur, CG, India (December 2012- Continue).
- **Building Committee Member**, Guru Ghasidas University, Bilaspur, CG, India (July 2012- Continue).
- **Convener**, Consultant Evaluation Committee & Consultant Monitoring Committee, Guru Ghasidas University, Bilaspur, CG, India (February 2010- Continue).
- **Convener**, University Garden Development Division, Guru Ghasidas University, Bilaspur, CG, India (November 2004- Continue).
- **Academic Staff College Advisory Committee Member**, Guru Ghasidas University, Bilaspur, CG, India (November 2011- Continue).
- **Rajbhasa Aayog Committee Member**, Guru Ghasidas University, Bilaspur, CG, India (October 2012- Continue).

List of Some Major Publications

- Singh, Ajay K, **Singh, S S**, Singh, Pushpraj and Chandel, Parmeshwar **2014**. Remote Sensing Techniques for Land use mapping in Lower Agar Sub watershed, Chhattisgarh, India. *Global Journal of Multidisciplinary Studies*. (Accepted)
- **Singh, S S** and Singh, Ajay K **2013**. Spatio-temporal change detection for LULC and its impact on Hasdeo River basin of Central India. *Int. J. Rec. Sci. Res.*, 4 (6): 925 – 930.
- Singh, Ajay K and **Singh, S S** **2012**. Exploring the spatio-temporal dynamics of forest land use/ land cover changes in Ahiran sub watershed of Central India. *For. Rev.*, 43: 19-23.
- **Singh, S S**, Singh, Ajay K and Vandana **2011**. Forest Type Variations and Catchment Status in the Bamni Sub Watershed of Hasdeo River Basin in Chhattisgarh, India. *J. Bio. & Eco. Sci.*, 1(1): 95-102.
- Chauhan, P S and **Singh, S S** **2008**. Radiosensitivity of *Populus deltoids* middle aged clones (12 months) to gamma rays and its synergetic effects with Stik. *Ind. J. For.*, 31(3).
- **Singh, S S** and Vandana **2008**. Sensitivity of *Albizia julibrissin* Durazz Seeds to Gamma Rays. In proceeding of the FORTROP II: Tropical Forestry Change in a Changing World, 17-20 November 2008, Kasetsart University, Bangkok, Thailand. Pp 25-39.
- Chauhan, P S and **Singh, S S** **2007**. Sensitivity of *Populus deltoids* young age stem cuttings (6 months) and its synergistic effects with Kinetin. *Ind. J. Agrofor.*, 9(1): 47-52.
- **Singh, S S**, Kumar P and Rai A K. **2006**. Ultraviolet radiation stress: Molecular and Physiological adaptation in trees. In "Abiotic Stress Tolerance in Plants: Towards the improvement of Global Environment and Food" (Eds. A K Rai and T Takabe), Springer, Netherlands. Pp 91-110.
- **Singh, S S** and Sujata **2004**. Effect of gamma rays on seed germination and seedling growth of *Robinia pseudoacacia*. *Ind. J. Agrofor.* 6(1): 33-38.
- **Singh, S S** **1992**. Sensitivity of cotyledonary leaves of *Leucaena leucocephala* to gamma rays. *Leucaena Research Report*, USA 13:46-48.
- **Singh, S S** **1989**. Sprouting and shoot growth behaviour in stem cuttings of *Leucaena leucocephala* I. Effect of IAA, GA3 and Niagara, *Leucaena Research Report*, USA 10:30-31.
- **Singh, S S** and Paliwal, G S **1987**. Sensitivity of *Albizzia lebbek* seeds to gamma rays. *Ind. For.* 113 (7): 490-500.