

Name Dr. B. N. Ghosh
Date of birth 31/12/1962
Designation Principal Scientist
Qualification Ph.D
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Educational Qualifications

- Ph.D (Agri.Chem & Soil Sci), BCKV, Mohanpur (1995).
- M.Sc (Agri.Chem & Soil Sci), ANGRAU, BCKV, Mohanpur (1990).
- B.Sc.(Ag) (Hons)., BCKV, Mohanpur (1987).

Professional Experience

- Land Resource Inventory- Soil resource mapping, land use plan
- Watershed Planning and management
- Soil degradation assessment with different indicator
- Developing Soil and water conservation technologies
- Plant Nutrient management specifically soil carbon management
- Developing Conservation agriculture technology

Research Areas

- Soil resource mapping in relation to carbon sequestration quantification, sequestration strategies evaluation of land and watershed planning and development.

International Experience - Nil

Awards

- Fellow, Indian Association of Soil and water Conservationist, Dehradun, Uttarakahnd, India (2015-16)
- Best Research paper (PeerReview Journal), Indian Society of Soil and Water Conservationist, Dehradun, 2015.
- Best Research paper (Peer Review Journal), Indian Society of Agronomy, New Delhi, 2002
- Best poster paper International potash Research Institute, Switzerland and Indian Society of Agricultural Chemistry, Allahabad (2011)
- Best Research paper (Peer Review Journal), Indian Society of Soil and Water Conservationist, Dehradun,(2021)

Honours/Recognitions

- RAC members Central Silk Board (2012-17),
- Government Inter department panel Expert consultant in THDC for Rehabitational Programme (2006-16)
- Expert member in Adjunct Professor in Kathmandu University (2012).

Ten Best Research Papers along with NAAS Rating-2022

SNo	Publication	NAAS Rating
1.	Meena, V. S., Ghosh, B.N., Singh, Raman Jeet, Bhattacharyya, Ranjan, Sharma, N.K., Alam, N.M., Meena, S. K., Mishra, P.K. (2020). Land use types and topographic position affect soil aggregation and carbon management in the mountain agro-ecosystems of Indian Himalayas. Land Degradation and Development.DOI: 10.1002/ldr.3864.	10.98

2. Singh, Raman Jeet, Deshwal, J.S. Sharma, N.K. Ghosh, B.N. Bhattacharyya, Ranjan.(2019).Effects of conservation tillage based agro-geo-textiles on resource conservation in sloping croplands of Indian Himalayan Region. *Soil Tillage Research*. 191, 37-47. **11.37**
3. Ghosh,B.N. Das, K., Bandhyopadhyay, S., Mukhopadhyay, S., Nayak, D.C and Singh,S.K. (2017). Impact Assessment of GIS based Land Resource Inventory towards Optimizing Agricultural Land Use Plan in Dandakaranya & Easternghats Physiographic Confluence of India. *Journal of the Indian Society of Remote Sensing*. 46 (4), 641-654 **7.56**
4. Ghosh,B.N., Meena,V.S., Singh, R.J., Alam,N.M., Shridhar, Patra, Bhattacharyya, Ranjan, Sharma, N.K., Dadhwal, K.S. and Mishra, P.K. (2018). Effects of fertilization on soil aggregation, carbon distribution and carbon management index of maize-wheat rotation in the north-western Himalayas. *Ecological Indicator*. DOI.org/10.1016/j.ecolind.2018.02.050. **10.96**
5. Singh, Raman Jeet, Ghosh, B.N., Sharma, N.K., Patra, Sridhar, Dadhwal, K.S., Meena, Vijay Singh, Deshwal,J.S.and Mishra, P.K.(2017). Effect of seven years of nutrient supplementation through organic and inorganic sources on productivity, soil and water conservation, and soil fertility changes of maize-wheat rotation in north-western Indian Himalayas. *Agriculture, Ecosystems and Environment*. 249, 177-186. **11.57**
6. Ghosh, B.N., Meena,V.S. Alam, N.M., Dogra, Pradeep, Bhattacharyya, Ranjan, Sharma N.K. and Mishra, P.K. (2016). Impact of conservation practices on soil aggregation and the carbon management index after seven years of maize-wheat cropping system in the Indian Himalayas. *Agriculture, Ecosystems and Environment*. 216, 247-57. **11.57**
7. Ghosh, B.N., Dogra, Pradeep, Bhattacharyya, Ranjan, Sharma, N.K and Dadhwal, K.S. (2012). Effects of grass vegetative strips on soil conservation and crop yield under rainfed conditions in the Indian sub-Himalayas. *Soil Use and Management*. 28, 635-646. **8.95**
8. Bhattacharya, Ranjan, Ved Prakash, Kundu, S., Ghosh, B.N., Srivastava, A.K and Gupta, H.S. (2006). Potassium balance as influenced by farmyard manure application under continuous soybean-wheat cropping system in a Typic Haplaquept. *Geoderma*. 137, 155-160. **12.11**
9. Ghosh, B.N. and Singh, R.D. (2001). Potassium release characteristics of some soils of Utter Pradesh hills varying with altitude and their relationship with forms of K and clay mineralogy. *Geoderma*. 104, 135-144. **12.11**
10. Ghosh, B.N., Dogra, Pradeep, Sharma, N.K., Bhattacharyya, Ranjan, Mishra, P.K. Conservation agriculture impact for soil conservation in maize-wheat cropping system in the Indian Sub-Himalayas. *International Soil and Water Conservation Research*. 3, 112-118. **12.03**

Total Publications (Peer-reviewed journals only): 65

International:35

National:30

Google Scholar link: <https://scholar.google.co.in/citations?user=99CO15wAAAAJ&hl=en>

Research Gate: <https://www.researchgate.net/lab/Birendra-Nath-Ghosh-Lab>