LIST OF PUBLICATIONS (Dr. GCS Negi)

International Journals


National Journals


**Research Projects Undertaken:**

1. Ecology of reduced tillage and mulching in the Central Himalayan mountains – Phase I & II (Funded by D.S.T., Govt. of India, New Delhi)- **Principal Investigator**.

2. Demonstration of a silvi-pasture model for wasteland restoration in the western Himalaya (Funded by Ministry of Rural Development, GOI, New Delhi)- **Principal Investigator**.

3. Performance and adaptability analysis of sloping watershed environmental engineering technology (SWEET) in the hills of Kumaun Himalayas (Funded by Ministry of Rural Development, Govt. of India, New Delhi)- **Co-Investigator**.

4. Global change impact assessment for Himalayan mountain region for environmental management and sustainable development (A joint project with Nepal and Pakistan, funded by Asia Pacific Network, Japan)- **Co-Investigator**

5. Environmental hazard zonations and resource-use pattern in Alaknanda valley using RS and GIS (A collaborative project with Space Application Centre, Ahmedabad) funded by MoEF, New Delhi- **Co-Investigator**

6. Geohydrological studies for augmentation of spring discharge in western Himalaya. (Funded by Ministry of Water Resources, Govt. of India, New Delhi). - **Principal Investigator**.

7. Creating interest and curiosity through organization of science motivation programme for high school students (Funded by DST-NCSTE, New Delhi)- **Co-Investigator**.

8. EIA/EMP studies of Rupin hydro-electric project- SPML, New Delhi- **Co-Investigator**.
9. Environmental and social impacts of hydropower projects in Ganga River basin (between Dharasu and Gangotri) in Uttarakhand (Funded by MoEF, New Delhi) - **Principal Investigator**.

10. EIA/EMP studies of Nandprayag-Langasu and Tamak-Latara hydro-power projects in Uttarakhand (Funded by UJVNL, Dehra Dun) – **Principal Investigator**.

11. Kailash Sacred Landscape Conservation Initiative (Rapid study on tourism in Pithoragrah Distt.) Funded by ICIMOD, Nepal (**Co-Investigator**).

12. Indicators of climate change in the context of Himalayan ecosystems along an altitudinal gradient (Funded by DST, Govt. of India, New Delhi) - **Principal Investigator**.

13. Inventorization and monitoring of biosphere reserves in India using remote sensing and GIS technology (Funded by MoEF, Govt. of India, New Delhi) - **Co-Investigator**

14. Assessment and quantification of forest ecosystem services with special emphasis on pollination in the Indian Himalayan agro-ecosystems (Funded by Earthwatch Institute, India & UK) – **Co-Investigator**

**Training Manuals/ Folders Developed:**

2. Spring Sanctuary Development in the mountains.

**Ph. D. Thesis Supervised:**

1. Organic matter decomposition and its effect on available nitrogen, phosphorus and potassium in mountain cropfield soil. HNB Garhwal University, Srinagar (Co-Supervisor) (2002).
2. Resource dynamics in a Himalayan watershed and implication for sustainable development. HNB Garhwal University, Srinagar (Co-Supervisor) (2003).

**Master’s Thesis supervised:**

3. Fuelwood and fodder consumption in three villages of Alaknanda valley, Chamoli-Garhwal. Masters Thesis, HNB Garhwal University, Srinagar-Garhwal (Supervisor).
6. Impacts of Hydro-electric Power Projects in Bhagirathi Valley (Ganga Basin), Uttarakhand (Gurukula Kangri Vishwavidyalaya, Haridwar) (2010) (Supervisor)

Consultancy Assignments:

2. Ecological and Economic Impact Assessment of Diversified Agriculture Support Programme in selected villages of Uttarakhand.
5. Rapid EIA and formulation of environmental management plan for Lakhwar-Vyasi hydro-electric project. NHPC, Dehra Dun.
6. Enhancing Livelihood Through Participatory Watershed Development in four watersheds of Distt. Almora (U.A.), India
7. EIA/EMP studies on hydroelectric projects in river Rupin (Distt. Uttarkashi; UA).
8. Valuation of Ecosystem Services in Uttarakhand, LEAD India, New Delhi.
9. Course content on the topic “Forest Based Livelihood (Unit-I; Block-II)”, under the Leadership Programme on Himalayan Ecosystems was written for IGNOU, New Delhi (online publ. on IGNOU website: www.ignouonline.ac.in/save).

Awards/Honours:

1. Selected leadership in environment & development (LEAD) Fellow - Cohort 12
2. Awarded “Visiting Fellowship” by The Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India (Not availed).
5. Awarded honorary member to the Research Board of Advisors of The American Biographical Institute, U.S.A.

Membership of the Professional/Academic Societies:

1) Indian Association of Soil and Water Conservationists, Dehra Dun
2) People’s Association for Hill Area Research, Naini Tal
3) Central Himalayan Environment Association, Naini Tal
4) Sikkim Science Society, Sikkim
5) Commonwealth Forestry Association (India Unit), New Delhi
6) U.P. Association for the Science and Technology Advancement, Lucknow
7) National Institute of Ecology, New Delhi
8) Mountain Action Research Group, Naini Tal
9) Indian Association of Hydrologists, Roorkee
10) Indian Association of Tree Scientists, Solan (H.P.)
11) Society for Plant Physiology & Biochemistry
12) Indian Society for Ecological Economics