



First Meet of Himalayan Young Researchers

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G.B. Pant Institute of Himalayan Environment & Development
Kosi-Katarmal, Almora 263 643, Uttarakhand, INDIA

Dr Sarnam Singh

Senior Scientist

*Forestry and Ecology Department,
Indian Institute of Remote Sensing (IIRS), Dehradun*

E-Mail: sarnam@iirs.gov.in



Dr Sarnam Singh, presently a Senior Scientist in IIRS Dehradun, Indian Space Research Organization Dehradun, obtained master's degree in Botany from Kanpur University and PhD from University of Calcutta. He also holds Post Graduate Diploma certificates in 'Remote Sensing for Ecological Application' from IIRS and 'Rural and Landscape Ecology' from ITC, the Netherlands and Certificate Courses in 'Eco-development Planning' from WII, Dehradun. Professionally, a botanist (plant taxonomist - specialist in Pterodophyte systematics), forester and expert in Remote Sensing and GIS for natural resources management and conservation, Dr Singh started his career from BSI, later moved to IIRS and evolved multi-disciplinarity component in his research. He extensively worked in entire Indian Himalayan range for botanical explorations, taxonomical and ecological studies, explored the entire Sikkim Himalaya up to an elevation of 20000ft, and worked on structural, functional and conservational aspects of biodiversity in central India. He was the first biologist to explore Namadapha National Park in Arunachal Himalayas after honorable Prof Late Salim Ali in late 1970s. He has contributed significantly in developing and implementing methodologies in GIS domain for wasteland development planning, wildlife habitat analysis, afforestation suitability analysis, monitoring, landscape analysis, biodiversity characterization for conservation planning, prioritization and management, carbon sequestration, vegetation carbon pool assessment, etc. He took lead role in major national level project such as biodiversity characterization and vegetation carbon pool assessment of India. As a RS and GIS expert he has offered consultancy services to World Bank funded projects for eco-development and EIA projects, and works in close cooperation with UNOOSA, UNSPIDER, UNESCAP, IWMI, ICIMOD, etc. for S&T capacity building in Asia Pacific Region. Currently, he is involved in training, education and research programmes of the IIRS and Centre for Space Science and Technology Education in Asia and Pacific (CSSTEAP). He has published 21 authored/ co-authored books, 3 edited books, and 100 research papers and mentored over 28 PhD, M.Tech, MPhil, & MSc and 31 PG Diploma students. He also worked as Associate Editor of JISRS (2003-2010) and Editorial Manager of JISRS (2008-2010).