



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

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Dr Shyamal K Nandi completed his Master's degree in Plant Physiology with minor in Biochemistry from G B Pant University of Agriculture & Technology, Pantnagar, Uttarakhand and obtained PhD degree from Australian National University, Canberra, Australia in Physiology and biochemistry of cytokinins. He has made contributions in different areas of Plant Science, possessing more than 30 years of research and development experience. His initial interests were on kinetics of ion uptake in plants and subsequently extended to investigations on identification, quantification, biosynthesis and metabolism of cytokinins, an important plant growth substance. He extended his studies to physiological basis of dormancy and yield in tea, and then on understanding the mechanism of plant adaptation to environmental stress.

After serving in CSIR Complex (now IHBT), Palampur, Himachal Pradesh he joined GBPIHED in 1993, and actively engaged in bioprospecting and quantification of active ingredients in several Himalayan medicinal plants to select elites (based on high levels). Moreover, he was associated with development of propagation protocols of a several economically important species (trees & herbs) using efficient biotechnological and conventional methods, thus contributing towards conservation and commercial cultivation. Between 2004 and 2005 he served as Professor and Head, Department of Biotechnology at Kumaun University, Nainital, where he coordinated the course programme, and was involved both in teaching and research. Dr Nandi has been the Principal Investigator of several in-house and externally funded projects (ongoing & completed). He has extended his knowledge imparting training to a wide range of people which included school children, farmers, NGOs, academics, and others particularly on plant propagation and conservation aspects. Besides, he is coordinating various institute activities, including as the Nodal Scientist of Plant Biodiversity and Forest Resources Task Force of the National Mission for Sustaining the Himalayan Ecosystem. He has guided over 15 MSc and 8 PhD students, published over 90 research papers/articles in national/international journals, and is life member of a number of professional societies. Dr Nandi is recipient of Visisht Vaigyanik Award of MoEF.