



Tanuja Buckseth
(b. November 2, 1986)

Dr. Tanuja Buckseth obtained her doctoral degree from GBPUAT, Pantnagar (UK) in the discipline of Vegetable Sciences during 2013. She joined the Agricultural Research Services (ARS) in the year 2014 and presently working as a Senior Scientist in the Division of Crop Improvement and Seed Technology at ICAR-CPRI, Shimla. She has immensely contributed in the development of new seed production technologies (Tissue Cultures aeroponics/Apical Rooted Cuttings) which are easy to operate, cost effective and farmer's friendly. Her notable contributions towards the development of seed potato production technologies have revolutionized the seed potato industry in India. She has also contributed substantially in the virus freedom, maintenance and multiplication of healthy seed stock of potato varieties and in making them available to the stakeholders. She has also been associated in the development of two potato varieties viz., K. Karan which is a multiple disease resistant variety for Indian hills and plateaus and K. Kiran which is a heat tolerant variety. She has developed an aeroponic nutrient composition (patent granted) and a novel eco-friendly technology for the management of potato cyst nematode by using aeroponic root leachates (ARL) (patent in order to grant, waiting for NBA approval). She has also developed nine unique genetic stocks which have been registered in NBPGR. Seed potato databank a web source developed by her is extremely useful to the potato growers. She was also associated in the development of integrated genomics, physiology and breeding concepts for improving nitrogen use efficiency (NUE) in potatoes grown under aeroponics. She is the recipient of NAAS Associateship, 2024.