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Ch. Padmavathi is a Principal Scientist in Agricultural Entomology at Indian Institute of Rice Research under Indian Council of Agricultural Research. She holds Ph.D in Agricultural Entomology from Indian Agricultural Research Institute, New Delhi. She Joined ICAR in 1999 and has 22 years of research experience working in various ICAR institutes. Initially, she focused on life table studies and host-plant interactions with special emphasis on rice leaf folder. She developed a special high through-put phenotyping method for evaluating large number of entries in field against leaf folder in rice. She also developed a pheno-forecasting model for the prediction of insect pests in rice and validated across locations. She also identified spectral characteristics for leaf folder damage and validated. Her current research interests include host-plant resistance, development and validation of forecasting models development, climate change effects on insect pests and their host plant, mapping spatio-temporal distribution of major insect pests of rice under changing climate scenario and participatory integrated pest management. She was trained in International Centre for Development Oriented Research in Agriculture (ICRA), the Netherlands with field work at Ethiopia. She has published many research papers in national and international journals, technical bulletins and also book chapters (40 research papers in peer reviewed journals, 75 papers presented in seminars/conferences, 14 technical bulletins and 6 book chapters).