



Dr. Chandish R. Ballal receiving 'Panjabrao Deshmukh Outstanding Woman Scientist Award 2015' from Shri Sudarshan Bhagat, Honourable Minister of State for Agriculture and Farmer's Welfare and Shri Parshottam Rupala, Honourable Minister of State for Agriculture and Farmer's Welfare & Panchayatiraj in presence of Shri Radha Mohan Singh, Honourable Union Minister for Agriculture, Shri S. S. Ahluwalia Honourable Minister of State for Agriculture and Farmer's Welfare & Parliamentary Affairs, Dr. Trilochan Mohapatra, Honourable Secretary DARE and DG ICAR, and Shri. Chhadilendri Roul, Additional Secretary, DARE & Secretary ICAR.

Indian Council of Agricultural Research



Certificate

**PANJABRAO DESHMUKH OUTSTANDING
WOMAN SCIENTIST AWARD 2015**

is presented to

Dr. (Ms.) Chandish R. Ballal

Principal Scientist & Head (Insect Ecology), NBAIR, Bengaluru

16 July, 2016
New Delhi


(T. Mohapatra)
Secretary (DARE) & Director General (ICAR)


(Radha Mohan Singh)
Minister of Agriculture & Farmers Welfare
Govt. of India



INDIAN COUNCIL OF AGRICULTURAL RESEARCH

**PANJABRAO DESHMUKH OUTSTANDING WOMAN
SCIENTIST AWARD-2015**

DR. (MS.) CHANDISH R.BALLAL

Principal Scientist (Agricultural Entomology) and Head, Division of Insect Ecology, NBAIR

CITATION

DR. (MS.) CHANDISH R.BALLAL, Principal Scientist (Agricultural Entomology) and Head, Division of Insect Ecology, NBAIR, has been awarded Punjabrao Deshmukh Outstanding Woman Scientist Award 2015. Her research efforts have been focused on standardizing continuous and effective production technologies for host insects and some of the most potential parasitoids and predators. She has worked out the economics of production and has brought out simple and efficient mass rearing techniques, which are being widely adopted by commercial units, researchers and students. Her focus of research has been on agriculturally important insects and she hold the largest live insect repository in the world, with 117 different insect cultures. The prompt and continuous supply of quality live insect cultures made and production protocols developed by her are valuable services to the student community, bio-control researchers and commercial insectaries. She has identified some of the potential bio-agents for specific pests and their mode of utilization. Her attempts to mass rear noctuid host insects, ichneumoids, anthocorids and predatory mites need special mention as they are difficult insects to multiply and the first of their kind in the country. By interacting with farmers and conducting demonstration trials in farmers' fields, she has created confidence in farmers on the non-chemical mode of pest management. Through her publications, training programmes, farmer interactions and supply of quality natural enemies, she has made sustained efforts to popularize the concept of biological control as an essential component of IPM.
