

Nomination Form for Entomological Society of India Young Entomologist Award

Submitted by

Dr. K. SELVARAJ, Scientist (Entomology),
ICAR- National Bureau of Agricultural Insect Resources,
Bengaluru-560024; Karnataka, India
Email: K.Selavarj@icar.gov.in; Phone: 9482138812



Nominated by

The Director,
ICAR- National Bureau of Agricultural Insect Resources,
Bengaluru-560024



Remarks about the suitability of the nominee

Dr. K. Selvaraj is an excellent scientist who has contributed immensely to the field of pest management especially through biocontrol modules. His contribution to the area of identifying invasive whiteflies viz., rugose spiralling whitefly, *Aleurodicus rugioperculatus* on coconut and many other plants, palm infesting whitefly *Aleurotrachelus atratus* on coconut and woolly whitefly *Aleurothrixus floccosus* on guava which causes serious damage to crops deserves special mention. The most notable contribution by Dr. K. Selvaraj is in combating the invasive rugose spiralling whitefly (RSW) through biological control strategies. He had developed mass production and conservation techniques for the potential parasitoid, *Encarsia guadeloupae*. He also developed and validated potential entomopathogenic fungus, *Isaria fumosorosea* (strain ICAR-NBAIR Pfu-5) based biopesticide for management of RSW. Also standardized production and formulations technology (Talc, grain and oil based) for Pfu-5 with longer shelf life, higher persistence and bio-efficacy. He have been commercialized both technology on mass production of *Encarsia guadeloupae* and *Isaria fumosorosea* and generated Rs 60 lakhs revenue. and commercialized both the technologies. Through his consistent efforts he has created awareness amongst coconut and oil Palm farmers to manage RSW through non-chemical mode and has thus improved the income of farmers significantly and also saved the environment from pesticides hazards. I strongly recommend Dr. K. Selvaraj for the Young Entomologist Award 2021.

Particulars of Nominator

M. Nagesh

M. Nagesh
21/10/21

निदेशक/ Director
राष्ट्रीय कृषि कीट संसाधन ब्यूरो
ICAR National Bureau Of Agricultural Insect Resources
डाक पेटी सं २४९१/Post Bag No. 2491
एच. ए. फार्म पोस्ट/H.A. Farm Post
बेल्लरी रोड/Bellary Road
बैंगलूरु - ५६००२४/Bagalore-560024

Signature of the Nominator:

Name and Designation: Dr. M. Nagesh, The Director, ICAR-NBAIR, Bangalore

Address: National Bureau of Agricultural Insect Resources, P.Bag No:2491, H.A. Farm Post
Bellary Road, Bengaluru - 560 024, Karnataka, INDIA.

Date: 21/10/21