

Particulars of Nominator		Remarks about the suitability of the nominee
Signature of the Nominator		The remarks of the nominee suitability are hereby written below <i>Strongly recommended as Scientist is extremely sincere and dedicated worker.</i>
Name and Designation	Dr. Parveen Kumar Director, ICAR - Central Coastal Agricultural Research Institute, Ela, Old Goa- 403402, Goa	
Address		
Date: 18/10/2021		

NOMINATION

I, Dr. Parveen Kumar, Director, ICAR - Central Coastal Agricultural Research Institute, Ela, Old Goa- 403402, Goa, nominate Dr. Maruthadurai. R, Scientist (Agricultural Entomology), ICAR-Central Coastal Agricultural Research Institute, Ela, Old Goa, Goa for the **"Young Entomologist Award-2021"**.

A citation explaining and justifying the contributions/achievements of the nominee is furnished below:

Dr. Maruthadurai, R obtained M.Sc. Entomology (2008) and Ph.D. (2011) from IARI, New Delhi. Thereafter in the year 2011, he Joined **Agriculture Research Service** as a Scientist (Agricultural Entomology) at ICAR-CCARI, Goa. Based on his hard work and contribution in safe guarding the cashew nut production especially from the ravages of stem and root borer he was promoted to Scientist Senior Scale in the year 2015, and continuing to work on developing bio-intensive pest management strategies of economically important insect pests till date. He standardised a semi-synthetic diet for laboratory mass rearing of *Placaederus* spp that helped in understanding the life cycle and opened way of several basic and applied studies, identified a new concept of within the tree distribution of stem and root borers in cashew plantations, standardised bio-intensive pest management practices for cashew stem and root borer, screened cashew varieties and hybrids tolerance to tea mosquito bug attack, evaluated the potential of predatory weaver ants for the management of tea mosquito bug in cashew ecosystem, documented and evaluated the feeding potential of coccinellids and syrphids predators for cashew aphid management. Thus, Dr. Maruthadurai has developed expertise in

cashew stem and borer which resulted in recipient of Core research Grant from DST to develop a low cost acoustic device for early detection of *Placaederus* spp.

Besides, Dr Maruthadurai reported the infestation of invasive ambrosia beetle (*Euplatypus parallelus*) and cotton mealy bug (*Phenacoccus solenopsis*) as a new invasive pest on the cashew tree for the first time in India along with their ecological studies. Some other studies like standardization of roosting plants with food bait technology for attracting and killing fruit flies in cucumber and mango, popularization of pheromone technology for wide area management of red palm weevil and rhinoceros beetle in coconut and predicted potential worldwide distribution of fall armyworm are praiseworthy. Associated in developing a pesticide calculator App for easy calculation of exact amount of pesticide required for spray for effective eco-friendly management of pests, also associated in developing a new variety of Cowpea, Goa cowpea-3 and development of decision support system.

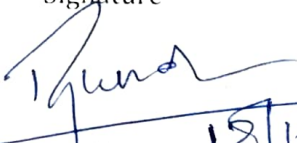
As I understand Dr. Maruthadurai actively involved in transfer of advanced crop protection technologies to the farmers' fields. So far, he has 40 publications to his credit comprising 20 research papers in national and international peer reviewed journals, 9 technical bulletins, 10 extension folders and one book.

Dr. Maruthadurai is an emerging young scientist, recipient of Dr. B. Vasanthraj David "YOUNG SCIENTIST AWARD", and a "FELLOW" of Entomological society of India, New Delhi. In recognition of his scientific contributions, devotion to basic, applied Entomological research and transfer of technology, I feel pleasure in nominating Dr. Maruthadurai, R an effective team worker as well for this prestigious **Young Entomologist Award** of ESI and hope he will prove worthy of same.

With best wishes

Place: Old Goa

Date: 18/10/2021

Signature

(Parveen Kumar) 18/10/2021
Director / निदेशक
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