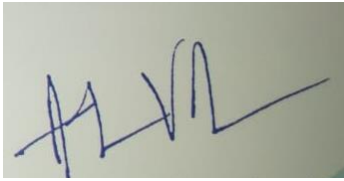


Particulars of Nominator	Remarks about the suitability of the nominee
Signature of the Nominator	I know B. R. Jayanthi Mala for the last 15 years. From her student days she showed a rich aptitude for insect study. Soon after her M.Sc. (Agri) she joined me as a senior research fellow in a fruit fly project. She helped in pilot studies that helped in developing IPM for <i>Bactrocera</i> spp. She was an excellent team member in pest free area studies for <i>Bactrocera caryaea</i> which helped in opening export market for mango in Japan fetching India valuable foreign exchange. IPM in fruit fly is saving about Rs. 300 crores in Karnataka, Andhra Pradesh and Tamil Nadu. As a research scientist she is having 10 years of experience in the field of Entomology. Having working experience in handling onion thrips, mango fruit fly, Coorg mandarin pests, Mealybugs on fruit crops, jamun seed borer, litchi fruit borer, pollinators, bee keeping, etc. Reported few new pests and their management strategies have been worked out for horticultural crop pests. Reported new and emerging pests like Litchi fruit borer, <i>Conopomorpha sinensis</i>, <i>Anselmella kerirchii</i>, Wax scale on guava <i>Ceroplastes</i> spp. Report new natural enemies like Larvi-pupal parasitoid <i>Diachasmimorpha</i> sp. on fruit fly, <i>B. caryaea</i>, Predatory midge <i>Triommata coccidivora</i> on mealybugs, Parasitoid <i>Ceranius</i> sp on onion thrips. She was associated in developing farmer friendly fruit fly trap as a component of IPM in Mango fruit fly. She was involved in screening of several germplasm for developing advanced breeding line against pests in Onion, Pomello, Jamun, brinjal. Pest Free Areas (PFA) of <i>Bactrocera caryaea</i> in major mango belts of South India as a part of trade prerequisite for export of mangoes from India to Japan. She immensely contributed to the integrated pest management of Onion thrips, Coorg mandarin pests, Jamun seed borer etc. She has developed weather-based forecasting model for citrus psylla <i>Diaphorina citrii</i> for the region Coorg. At present, working for a project on “Ecologically mediated interactions of host plants-mealybugs-natural enemies on fruit crops” with main focus on identifying kairomones for predators and parasitoids of mealybugs. Successful in identifying the potent kairomones for attracting natural enemies of mealybugs. Ecofriendly wax solubilizers to degrade mealybug wax are in pipeline. She has isolated a wax degrading bacterium for degrading mealybug wax.

	Also, part of AINRPOG-All India Network Research Project on Onion and Garlic, AICRP- All Indian Coordinated Research Project on fruit crops and AICRP-All coordinated Research Project on Biological control. Focused and determined in achieving my research goals and strong ability to execute assigned responsibilities at her work place. Thorough knowledge about the subject and keen to understand and update with new areas of research. She was part of National Horticulture Fair-2018 to 2020 as a consultant scientist for pest management in horticultural crops. She is very much focused on research and published in several peer reviewed journals. Presented explicitly several research outputs in many national and international conferences/seminar/symposiums. She is bold lady and has served in a remote tribal belt of Chettalli in Coorg, where she successfully helped manage pests of Coorg mandarin and revive this intercrop in coffee. In mealybugs, her research in discovering a wax degrading micro-consortium, ecofriendly wax solubilizers, and a mass multiplication strategy, potent kairomones for predatory cecidomyiid midge stands out. These will soon see the light of transfer of technology. Therefore, it is pleasure to nominate Jayanthi Mala to the prestigious Award- who was also my teacher.
Name: Dr. Abraham Verghese	
Address: Former Director, ICAR-NBAIR, Bengaluru	
Director, GPSIOAM, Bengaluru	
Date: 22.10.2021	
	Signature