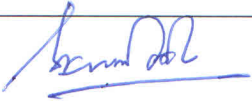


Particulars of Nominator		Remarks about the suitability of the nominee
Signature of the Nominator:		Guru Pirasanna Pandi, G contributed significantly on brown planthopper resistance germplasm identification (IC322922, IC75881, IC426149, IC426126, IC426139, IC256515, IC273558, IC426148, IC256545, IC346890) and varietal (CR Dhan-317) development. Identified association mapping of promising genes against <i>N. lugens</i> biotype-4. Credited the complete mitochondrial genome sequencing of rice gundhi bug, and brown planthopper, from India, first time in the world. Developed over 500 DNA barcode and unique mitochondrial haplotype sequence of different insect species. Identified a new biocontrol agent (<i>Skermanella</i> sp.) against rice leaf folder and pink stem borer. Conceptualized and developed one android mobile app "riceXpert" on management and real time monitoring of rice insect pest and diseases. Developed white backed brown planthopper and rice root-knot nematode database on varietal screening. Developed liquid formulation based Microbial consortium (MC) for rice pest (leaf folder) and disease (seedling blight, sheath rot and sheath blight) management. Commercialized three biocontrol agents (NRRI Trichocard Tj; NRRI Trichocard Tc and NRRI Braconcard Bh) with international quality standards against rice lepidopteran pests. Developed low cost IPM technology for farmers' participatory rice seed production for Odisha. Developed decision support system for farmers through a simple rice-insect diagnostic guide in three languages (English, Hindi and Odia). Assessed the impact of elevated temperature and CO₂ on BPH and validated rice-INFOCROP model for prediction of rice yield and yield losses caused by brown planthopper under different climatic change scenarios. Published 25 peer-reviewed publication in international journals of high impact factors and 25 research papers in national journals, 3 book, 10 book chapters and several technical bulletins. He has awarded Life fellow status of "Entomological society of India" and "Society for Biocontrol Advancement". He is acting as Associate Editor of "Indian Journal of Entomology". Based on the scientific contribution and credentials, I recommend and nominate Dr. Guru Pirasanna Pandi, G for "Young Entomologist Award - 2021"
Name:	Dr. Sarat Kumar Pradhan	
Designation:	NAAS fellow & Principal Scientist, ICAR-NRRI	
Address:	Principal Scientist, ICAR- National Rice Research Institute, Bidyadarpur, Cuttack - 753006, Odisha (India)	
Date:	Dr. S.K. Pradhan Principal Scientist Crop Improvement Division N.R.R.I, Cuttack-753 006 12/10/2021	