

NOMINATION

Particulars of Nominator		Remarks about the suitability of the Nominee for ESI Senior Entomologist Award-2021
Signature of the Nominator		The remark of the nominee suitability is hereby written below.
Name	Dr. S. Satpathy	
Address	PS & Head, Division of Crop Protection, ICAR-CRIJAF, Barrackpore, Kolkata-700121	

I, **Dr. S. Satpathy**, Principal Scientist and Head, Division of Crop Protection, ICAR-Central Research Institute for Jute and Allied Fibres (CRIJAF), Barrackpore, Kolkata nominates **Dr. B. S. Gotyal, Senior Scientist** (Entomology), ICAR-CRIJAF, Barrackpore, Kolkata, India for the “**ESI Senior Entomologist - 2021**”. A citation explaining and justifying the contributions/achievements of the nominee is briefly furnished below.

Dr. B. S. Gotyal has completed his M.Sc. and Ph.D. degrees from the Division of Entomology, ICAR-Indian Agricultural Research Institute (IARI), New Delhi, India in 2009. He has a brilliant academic record throughout his studies as he secured 1st Rank in All India Indian Council of Agricultural Research (ICAR)-Junior Research Fellowship (JRF) Examination for pursuing his postgraduate studies at IARI, and also he is the recipient IARI merit scholarship for his doctoral degree.

As a scientist in Agricultural Entomology, since more than 13 years he has done remarkable work in jute entomology. So far there was no source for insect resistance in jute crop. Dr. Gotyal in his early carrier of research has extensively worked and contributed significantly by successfully identifying the sources and mechanism of resistance in the wild species of jute *Corchorus aestuans* (Accession, WCIN-179) against

jute hairy caterpillar, *Spilosoma obliqua*. This finding has redefined the resistance breeding program and provides the basis for strategies in developing resistant jute varieties against insect pests of jute. The identification of the jute germplasm as a resistant source truly unfolds the practical utility of the wild jute, *C. aestuans* in developing resistant varieties because of its crossability with cultivated jute varieties. This germplasm has got registered in the ICAR-National Bureau of Plant Genetic Resources (NBPGR) gene bank by the Germplasm Registration Committee of ICAR.

In recognition of his outstanding research contribution, he has been aptly honored with the prestigious “**Early career Entomologist Award**” from **Royal Entomological Society, UK, London** (with cash prize of 1250 GBP) and also received *Associate of National Academy of Agricultural Sciences (NAAS), New Delhi in 2019* for his excellent research finding as he has deciphered the biochemical basis of resistance against jute hairy caterpillar, *Spilosoma obliqua* in wild jute species which will pave the way for plant biotechnologists and plant breeders for gene mapping and tagging of the resistance gene in resistance breeding program. Recently in June, 2020 he has also been conferred with a prestigious Prof. T. N. Ananthkrishnan “**YOUNG SCIENTIST AWARD**” (*First Position with cash Prize of Rs. 25000/-*) for research contribution in jute and allied fibre crop protection.

In 2019, Dr. Gotyal has also been bestowed with Dr. B. Vasantharaj David “**YOUNG SCIENTIST AWARD**” for significant contribution to jute entomology and he is also conferred with the **Fellow** of Society for Biocontrol Advancement (SBA), Bengaluru in 2017 for his outstanding contribution in identifying and reporting of many new insect pests and their associated biocontrol agents in jute ecosystem.

With a great passion to agriculture and farmers welfare, Dr. Gotyal has been proactive in transfer of advanced crop Protection technologies to the farmers field through implementation of front line demonstrations, frequent field surveys for monitoring of insect pests, organization of farmers trainings, field days, seed days and delivering lectures in farmers training programs and also providing agro advisories. Besides, the contribution in research, he has also developed an ICT based Android mobile App “**JAF-Safe**” for easy and quick dissemination of scientific information to farming community on the management of jute and allied fiber insect pests. He has also got the trade mark certificate for the logo of the App. This mobile App was released by Honorable, Union Minister for Agriculture, Shri. Narendra Singh Tomar Ji during the 91st Annual General Body Meeting of ICAR on 27.02.2020 in New Delhi. This App, describes in detail about the nature of damage, biology, and life cycle of insect pests, the knowledge of which is very much essential for proper decision making in initiating the pest management strategies. This app is useful for jute growers, students, extension workers, teachers, and other stakeholders. Because of having more than a decade of research experience in jute entomology, Dr. Gotyal has published an informative technical bulletin as a lead author for precise identification and proper management of insect pests in jute crop. Apart from

his research and extension work, he is also involved in various institute building activities.

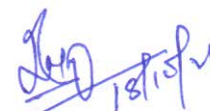
Dr. Gotyal has also developed a strong sense of research and independent thinking and the significant findings related to his research works were published in leading journals like *Frontiers in Plant Science*, *Florida Entomologist*, *Entomologia Generalis*, *International Journal of Tropical Insect Science* etc. He has 55 research papers in journals of national and international repute in his credit and his contribution to "Crop Protection" is highly commendable and appreciable.

He is a great asset to any organization and I wish him all the best.

Place: ICAR- CRIJAF, Barrackpore, Kolkata

Date: 18.10.2021

SIGNATURE



(S. Satpathy)

Official Seal

Head
Crop Protection Division
ICAR-CRIJAF, Barrackpore