

Intellectual Property

Patent database of ICAR-IIHR as per ITMU records as on 16.10.2025

Sl. No.	Patent ApplicationNo.	Titles of the Patent	Date of Filling	Status (Granted/ filed/ in process)	Date of Grant
PATENTS					
1.	15228 (Srilankan Patent)	A process for the production of organic formulation - <i>Pseudomonas fluorescens</i>	02.12.2008	Granted	13.05.2010
2.	250779 (Indian Patent)	A process for producing a bio-pesticide composition containing <i>Trichoderma harzianum</i> and <i>Pseudomonas fluorescens</i>	16.02.2006	Granted	12.03.2011
3.	7,923,005B2 (US Patent)	A process for the production of a Bio –pesticide composition containing - <i>Trichoderma harzianum</i> and <i>Pseudomonas fluorescens</i>	15.02.2007	Granted	12.04.2011
4.	2154975 (European Patent)	A process for the production of organic formulation of bio-pesticide <i>Pseudomonas fluorescens</i>	10.09.2007	Granted	07.11.2012
5.	2007216174 (Australia Patent)	A process for producing a bio-pesticide composition containing <i>Trichoderma harzianum</i> and <i>Pseudomonas fluorescens</i>		Granted	31.01.2013
6.	2007352140 (Australian Patent)	A process for the production of organic formulation of bio-pesticide <i>Pseudomonas fluorescens</i>	10.09.2007	Granted	21.02.2013
7.	7621 (Thailand Patent)	A process for the production Bio –pesticide composition containing <i>Trichoderma harzianum</i> and <i>Pseudomonas fluorescens</i>		Granted	20.11.2013
8.	1005199 (Bangladesh Patent)	A process for the production of organic formulation of bio-pesticide <i>Pseudomonas fluorescens</i>		Granted	03.04.2014
9.	537/CHE/2007	Release of neem volatiles from substrates to control insect pests	15.03.2007	Granted	14.03.2017
10.	1068/CHE/2010	A device for male annihilation of <i>Bactrocera sp</i> using Parapheromone impregnation	16.04.2010	Granted	Patent No. : 304936 Date of

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					Grant: 26.12.2018
11.	2984/DEL/2010	A process for the preparation of crop specific foliar micronutrient formulation for mango	14.12.2010	Filed	---
12.	1477/DEL/2011	Single PCR, single ligation and single transformation method to generate intron containing hairpin RNA for RNA interference in plants	24.05.2011	Filed	---
13.	3199/DEL/2012	A formulation for healing of injury in pest infested trees, a process for its preparation, a method for healing of injury in pest infested trees and a product therefore	12.10.2012	Filed	---
14.	2203/CHE/2014	“Arka Saka Nivarak” - An environmentally-safe formulation for prevention of Internal Breakdown Disorders In Mango – Spongy tissue in Alphonso	05.01.2014	Granted	Patent No. 414246 Date of Grant: 12.12.2022
15.	3817/CHE/2014	Method for mass production of soil-less Arbuscular Mycorrhizal fungal inoculum	08.04.2014	Granted	Patent No. 342299 Date of grant 23.07.2020
16.	201641001693	A process for the production of alkyl coumarate concentrate from <u>Ipomoea carnea Subsp. fistulosa</u>	18.01.2016	Granted	Patent No. : 353180 Date of Grant: 07.12.2020
17.	6930/CHE/2015	A method for sustained in vitro micropropagation of papaya with the management of interfering endophytic microorganisms	13.06.2017	Filed	---
18.	201741044055	A novel kairomone formulation and septa design for attraction of female <i>Bactrocera dorsalis</i>	7.12.2017	Granted	Patent No.: 390086 Date of Grant: 23.02.2022

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19.	201741040311	CRISPR assisted cleavage polymorphism	11.11.2017	Filed	---
20.	201841022601	Iron fortified mushroom and process of producing thereof	16.06.2018	Granted	Patent no. : 506921 Date of Grant: 05.2.2024
21.	1507/CHE/2015	Composition comprising the oviposition stimulation agent(s) and kit comprising the same	24.3.2015	Granted	Patent No. : 309741 Date of Grant: 23.3.2019
22.	201941027155	Composition to manage stem borer, <i>Bacocera rufomaculata</i> and the method of preparation thereof	08.07.2019	Filed	-
23.	201941033416	Suction trap for insects	19.08.2019	Granted	Patent No. : 523430 Date of Grant : 11.03.2024
24.	202041023746 TEMP/E-1/262223/2020-CHE	A novel synergistic blend composition of Para-Pheromones for increasing male trap catches of multiple <i>Bactrocera</i> fruit fly species	05.06.2020	Filed	-
25.	202041029424	Herbiwash for fruits and vegetables	10.07.2020	Filed	-
26.	2470/DEL/2013	DNA based diagnostics for identification of citrus rootstock cultivars	21.08.2013	Granted	Date of Grant: 27.09.2022 Patent No. 407695

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27.	202141025695 TEMP/E-1/28829/2021-CHE	Compositions for dissolving mealybugwax	09.06.2021	Granted	Patent No.: 468095 Date of Grant: 10.11.2023
28.	202141031233 TEMP/E-1/34974/2021-CHE	Compositions for luring fruit flies of <i>Zeugodacus</i> genus	12.07.2021	Granted	Patent No. : 489986 Date of Grant: 27.12.2023
29.	202311045888 TEMP/E1/52508/2023-DEL	A process for the preparation of dragon fruit ready-to-serve beverage	07.07.2023	Granted	Patent No. : 573417 Date of Grant : 07.11.2025
30.	202411068350 TEMP/E-1/79428/2024-DEL	Arka vertical farming module	10.9.2024	Filed	
31	202411086351	dsRNA-BASED COMPOSITION FOR PLANT PEST CONTROL, METHOD OF PREPARING THE SAME, AND USES THEREOF	09.11. 2024	filed	

Copyright

Sr. No.	Accomplishments Type	Title	Date of Approval	Granting Authority
1	Copyright L-114148/2022	Key characters of varieties/hybrids under MLTs of ICAR-AICRP on Fruits	08.04.2022	Copyright Office, Govt. of India

Design

Sr.	Accomplishments	Title	Date of	Granting
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No.	Type		issue	Authority
1	Design No. 422507-001 filed on 06.07.2024	Rotary Comber for chilli pepper harvesting machine	02.12.2024	The Patent Office, Govt. of India