Department of Biotechnology

आजादी का अमृतमहोत्सव ||75th Anniversary of Indian Independence

A. Department of Forage Crops, Coimbatore			
1.	**Name of the Biotech KISAN Hub and its collaborating institutes**	:	Hub: Department of Forage Crops, TNAU, Coimbatore Collaborating Institutes 1. Regional Research Station, Virudhunagar 2. Agricultural Research Station, Ramanathapuram 3. Department of Agriculture, Tamil Nadu
2.	**Title of the event**	:	Importance of green fodder and fodder pellet production
3.	**Total number of participants**	:	280
4.	**Invited experts**	:	Dr. K. N. Ganesan, Professor and Head, DFC Dr. T. Ezhilarasi, Assistant Professor, DFC Dr. V. Krishnakumar, Assistant Professor, VAS
5.	**Venue and date**	:	Department of Forage Crops, Coimbatore, September, 2021
6.	**Brief about the programme**	:	Though Tamil Nadu ranks fourth in cattle population, its productivity is very low when compared to the potential of livestock due to lack of balanced green fodder supply. To overcome this issue an interactive meeting under **Azadi Ka Amrit Mahotsav** is planned to impart the knowledge and skill on importance of balanced green fodder supply, cultivation of improved location specific fodder crops and fodder preservation techniques. In this regard, interactive meeting was conducted in collaboration with department of agriculture, Tamil Nadu.
7.	**Quotes of speakers and experts attending the event**	:	**1. Dr. K. N. Ganesan, Professor and Head, DFC** The importance of fodder crops in animal productivity, improved location specific varieties

			of grassy fodders, cereal fodders and legume fodders, seed production techniques and entrepreneurship opportunities. **2. Dr. T. Ezhilarasi, Assistant Professor, DFC** Fodder production technologies, fodder preservation techniques, hydroponic fodder production technologies, mechanisation in fodder production and green fodder area requirement for the cattle. **3. Dr. V. Krishnakumar, Assistant Professor, VAS** Nutritional requirement, location specific breeds of milch animals and goat and livestock management.
8.	**Quotes of beneficiaries attending the event**	**:**	Varieties for stress tolerant, low cost implements and machineries for fodder harvesting and combination of fodder pellets.
B. ICAR-KVK, Papparapatti, Dharmapuri			
1.	**Name of the Biotech KISAN Hub and its collaborating institutes**	**:**	Hub: Department of Forage Crops, TNAU, Coimbatore Collaborating Institutes 1. Regional Research Station, Virudhunagar 2. Agricultural Research Station, Ramanathapuram 3. ICAR-KVK, Papparapatti, Dharmapuri
2.	**Title of the event**	**:**	Sustainable fodder production strategies for enhancing livestock productivity
3.	**Total number of participants**	**:**	110
4.	**Invited experts**	**:**	Dr. K. N. Ganesan, Professor and Head, DFC Dr. S. D. Sivakumar, Associate professor, DFC Dr. M. Thangadurai, VAS, KVK, Dharmapuri
5.	**Venue and date**	**:**	ICAR-KVK, Papparapatti, Dharmapuri, 28.08.2021
6.	**Brief about the programme**	**:**	Though Tamil Nadu ranks fourth in cattle population, its productivity is very low when compared to the potential of livestock due to lack of balanced green fodder supply. To overcome this issue a one day training programme under **Azadi Ka Amrit Mahotsav**

			is planned to impart the knowledge and skill on importance of balanced green fodder supply and cultivation of improved location specific fodder crops. In this regard, the training was conducted in collaboration with ICAR-KVK, Papparapatti, Dharmapuri in which the small and marginal farmers 110 beneficiaries were participated.
7.	**Quotes of speakers and experts attending the event**	**:**	**1. Dr. K. N. Ganesan, Professor and Head, DFC** The importance of fodder crops in animal productivity, improved location specific varieties of grassy fodders, cereal fodders and legume fodders, seed production techniques and entrepreneurship opportunities. **2. Dr. S. D. Sivakumar, Associate Professor, DFC** Fodder production technologies, fodder preservation techniques, hydroponic fodder production technologies, mechanisation in fodder production and green fodder area requirement for the cattle. **3. Dr. M. Thangadurai, VAS, KVK, Dharmapuri** Nutritional requirement, location specific breeds of milch animals and goat and livestock management.
8.	**Quotes of beneficiaries attending the event**	**:**	Impact of red napier and super napier, fodder crops for bunds and borders.
C. ICAR-KVK, Sandhiyur, Salem			
1.	**Name of the Biotech KISAN Hub and its collaborating institutes**	**:**	Hub: Department of Forage Crops, TNAU, Coimbatore Collaborating Institutes 1. Regional Research Station, Virudhunagar 2. Agricultural Research Station, Ramanathapuram 3. ICAR-KVK, Sandhiyur, Salem
2.	**Title of the event**	**:**	Sustainable fodder production strategies for enhancing livestock productivity
3.	**Total number of participants**	**:**	100

4.	**Invited experts**	**:**	Dr. K. N. Ganesan, Professor and Head, DFC Dr. S. D. Sivakumar, Associate professor, DFC Dr. P. Kokila, Assistant Professor (VAS), KVK
5.	**Venue and date**	**:**	ICAR-KVK, Sandhiyur, Salem, 29.09.2021
6.	**Brief about the programme**	**:**	Though Tamil Nadu ranks fourth in cattle population, its productivity is very low when compared to the potential of livestock due to lack of balanced green fodder supply. To overcome this issue a one day training programme under **Azadi Ka Amrit Mahotsav** is planned to impart the knowledge and skill on importance of balanced green fodder supply and cultivation of improved location specific fodder crops. In this regard, the training was conducted in collaboration with ICAR-KVK, Sandhiyur, Salem in which the small and marginal farmers of 100 beneficiaries were participated.
7.	**Quotes of speakers and experts attending the event**	**:**	**1. Dr. K. N. Ganesan, Professor and Head, DFC** The importance of fodder crops in animal productivity, improved location specific varieties of grassy fodders, cereal fodders and legume fodders, seed production techniques and entrepreneurship opportunities. **2. Dr. S. D. Sivakumar, Associate Professor, DFC** Fodder production technologies, fodder preservation techniques, hydroponic fodder production technologies, mechanisation in fodder production and green fodder area requirement for the cattle. **3. Dr. P. Kokila, Assistant Professor (VAS), KVK** Nutritional requirement, location specific breeds of milch animals and goat and livestock management.
8.	**Quotes of beneficiaries attending the event**	**:**	Fodder crops for drought condition and availability of planting materials
D. Renganadhar polytechnic, Auditorium, kovilpalayam, Coimbatore			

1.	**Name of the Biotech KISAN Hub and its collaborating institutes**	**:**	Hub: Department of Forage Crops, TNAU, Coimbatore Collaborating Institutes 1. Regional Research Station, Virudhunagar 2. Agricultural Research Station, Ramanathapuram
2.	**Title of the event**	**:**	Sustainable fodder production strategies for enhancing livestock productivity
3.	**Total number of participants**	**:**	112
4.	**Invited experts**	**:**	Dr. S. D. Sivakumar, Associate professor, DFC Dr. M. Thirunavukkarusu, Assistant professor, VAS,
5.	**Venue and date**	**:**	Renganadhar polytechnic, Auditorium, kovilpalayam, Coimbatore, 28.08.2021
6.	**Brief about the programme**	**:**	Though Tamil Nadu ranks fourth in cattle population, its productivity is very low when compared to the potential of livestock due to lack of balanced green fodder supply. To overcome this issue a one day training programme under **Azadi Ka Amrit Mahotsav** is planned to impart the knowledge and skill on importance of balanced green fodder supply and cultivation of improved location specific fodder crops. In this regard, the training was conducted in collaboration with rotary club of Coimbatore in which the small and marginal farmers (112 beneficiaries) of Kovilpalayam block were participated.
7.	**Quotes of speakers and experts attending the event**	**:**	**1. Dr. S. D. Sivakumar, Associate Professor, DFC** Fodder production technologies, fodder preservation techniques, hydroponic fodder production technologies, mechanisation in fodder production and green fodder area requirement for the cattle. **2. Dr. M. Thirunavukarasu** Nutritional requirement, location specific breeds of milch animals and goat and livestock management.
8.	**Quotes of beneficiaries**	**:**	Fodder crops for drought condition and availability of

	attending the event		planting materials

Training on 'Sustainable fodder production strategies for enhancing livestock productivity'

at ICAR-KVK, Sandhiyur, Salem




Training on 'Sustainable fodder production strategies for enhancing livestock productivity' at Renganadhar polytechnic, Auditorium, kovilpalayam, Coimbatore

Training on 'Sustainable fodder production strategies for enhancing livestock productivity' at ICAR-KVK, Papparapatti, Dharmapuri

Interactive meeting on “Importance of green fodder and fodder pellet production” held with the farmers from different districts of Tamil Nadu at Department of Forage Crops, Coimbatore

Department of Biotechnology

आजादी का अमृत महोत्सव ||75th Anniversary of Indian Independence

Title of the event: Farmers training on advances in pig rearing and advances in Lathyarus and Linseed crop production technologies

Name of the organizer: Krishi Vigyan Kendra, Sonapur-Gadchiroli

Date and Time: 1-5 October, 2021 and 10 am to 5 pm (Every Day)

URL/Registration link (in case of virtual event): Nil

Venue (in case of physical event): KVK, Gadchiroli

Brief background/purpose of the event:

1. Production technology on small scale pig rearing, an untapped potential which is favored by tribal dominated aspirational Gadchiroli district farmers.
2. Production technology in Lathyarus and Linseed crop with major focus on improving productivity and profitability of Farmers with focus on doubling the income.
3. Addressing the scientific interventions with small and marginal farmers especially the women farmers for better agriculture productivity by evolving best farming practices suitable in the regional agro-climatic conditions
4. To establish farmer's producers company to sustain the developments in aspiration Gadchiroli district to encourage youth and educated farmers.

Expected Participants/List of Participants: 100

How is the event linked to Azadi ka Amrit Mahotsav: The event with focus on production technology in Lathyarus and Linseed crop in Rabbi crop with focus on improving productivity and profitability of Farmers, pig rearing will also be helpful for additional income.

Potential/Expected Impact:

- With the implementation of the Biotech Kisan Hub in Aspirational district of Gadchiroli it is expected to address the problems of the local farmers with firm solution by developing the linkages for Science & Technology.
- Platform of Biotech-KISAN will improve the working conditions of small and marginal farmers in the Aspirational Gadchiroli District.
- The business concept will be promoted among the farmers community with the establishment of (FPO) farmer's producers company for assured income generation.

- Judicious efforts on innovative farming and adoption of allied enterprises like Pig Rearing along with IFS model will enhance the family income of the farming community.

सशक्त भारत

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Webinar entitled:

The past present and future of plant agriculture

Speaker: Dr PV Shivaprasad, NCBS-TIFR Bengaluru

Name of the organizer: DBT- Institute for Stem Cell Science & Regenerative Medicine

Date and Time: 09 October 2021, 10-11AM

URL/Registration link (in case of virtual event): Participants have to register to join

Venue (in case of physical event): Online

Brief background/purpose of the event:

The Science Setu Programme at inStem entitled "Discovering Possibilities" is an effort to create awareness about the importance of science in our lives and encourage the participation of young college students and their teachers in the area of Biology. Through setting up engagements with practitioners of science, this programme aims to provide a view to the excitement and numerous opportunities arising from a career in science.
Each webinar covers a topic in a manner accessible to college students and apart from contemporary cutting-edge research, involves colleagues who have faced challenges and success in allied areas such as science journalism, publishing, communications, history of science, as well engagements with students and interns from our laboratories.
Contact email: sciencesetu@instem.res.in

Expected Participants/List of Participants:

UG and PG students from Bangalore:

- St Joseph's;
- Maharani's Science College for Women,
- Mount Carmel College
- Autonomous, Indian Academy Degree College,
- Kristu Jayanti College,

Mangalore:

- St. Aloysius College;

Gadag:

- Bipin Chikkatti Degree College, Gadag

Ujire

- Sri Dharmasthala Manjunatheshwara College,

Kollam,

- St. John's College, Kollam, Anchal Kerala;

Chennai:

- Sri Ramachandra Institute of Higher Education &Research: Undergraduate college and Medical School students.

The talk is also open to students from other colleges and institutes on request

How is the event linked to Azadi ka Amrit Mahotsav:

This is the first talk in the series in the field of Plant Biology and Agriculture and is being held on request from the participating colleges. Dr Shivaprasad is a member of the faculty at NCBS and has been understanding strategies adopted by plants in their response to stress in order to learn and devise new approaches with practical applications.

Overall, this talk like the others in the series will highlight the progress and advances laboratories in India have made in the area collectively, over preceding decades and the current contemporary approaches being taken.

Potential/Expected Impact:

We hope to build sustained interactions with participating colleges and partner with them in nurturing the growth of students curious about possibilities in science as well foster career advancement of exceptional students who would like to venture into science as a career.

सशक्त भारत

Department of Biotechnology

आजादी का अमृतमहोत्सव ||75th Anniversary of Indian Independence

Title of the event: Farmer Entrepreneurship in Small Enterprises for Income Generation

Name of the organizer: Biotech-KISAN Hub, Agri Biotech Foundation, Hyderabad.

Date and Time: 12th October 2021, 10.00 am to 4.00 p.m.

URL/Registration link (in case of virtual event): NA

Venue (in case of physical event): Agri Biotech Foundation, Rajendranagar, Hyderabad

Brief background/purpose of the event:

Agriculture remains a key sector of the Indian economy accounting for around 25 percent share in the gross domestic product. Increased number of people and unemployed graduates living in rural areas are migrating to urban areas in search of jobs. Extremely poor infrastructure and facilities in rural areas aggravated the population pressure on the urban infrastructure. In this situation making agricultural entrepreneurship as a career is the solution. Also, the potential of agriculture for local entrepreneurs is a way of success and as a condition of accomplishing the level of well-being. Agri entrepreneur may be farm level producers or service provider or input producers. The need is combined, and is based on the basic principle, rural employment provider shaping the profile of local entrepreneurs which increases the income level and employment opportunities in rural as well as urban areas.

To induce productivity gains and to create employment opportunities to rural youth and smallholder farmers, small scale Biotech enterprises such as shade net houses, On-Farm Trichoderma production units, backyard poultry for income generation and fodder and slip production for additional income were established by ABF Biotech-KISAN Hub. For parallel spread of these enterprises and to create awareness among farmers about the Entrepreneurship in Small Enterprises for Income Generation the event is conducted.

Expected Participants/List of Participants:

No. of Participants: 46

Programme Schedule

Time		Programme
9:00 – 10:00am	:	Registration
10:00 – 10:15am	:	Welcome Address by Dr.Vishnu Vardhan Reddy, Director, ABF, Hyderabad.
10:15 – 10:25am	:	Genesis and Role of ABF Biotech-KISAN Hub by Dr.V.Sandhya, Project

		Coordinator, ABF Biotech-KISAN Hub, Hyderabad.
10:25 – 10:35am	:	Livelihood Improvement of Small Scale Farmers by Agri Enterprise by Dr.P.Gidda Reddy, Consultant, ABF, Hyderabad.
10:35 – 11:00am	:	Tea & Snacks
11:00 – 11:30am	:	*Theory:* Mushroom Production as a Small Scale Enterprise by Dr.M.Prameela, Senior Scientist, PJTSAU, Hyderabad.
11:30 – 12:00pm	:	*Theory:* Livelihood Improvement of Small-Scale Farmers through Protected Vegetable Cultivation by Shri.R.Rama Krishan, Horticulture Officer, Dept. of Horticulture, Medak District.
12:00 – 12:30pm	:	*Theory:* Hydroponic Green Fodder Production – A livelihood Opportunity for Rural Youth – by Dr.Sk.Z.Ali, Co-PI, ABF Biotech-KISAN Hub, Hyderabad.
12:30 – 1:30pm	:	Lunch Break
1:30 – 2:00pm	:	Demonstration: Hydroponic Green Fodder Production
2:00 – 2:30pm	:	Demonstration: Vegetable Seedling Production
2:30 – 3:00pm	:	Demonstration: Mushroom Production
3:00 – 3:30pm	:	Mushroom Production Unit Visit – PJTSAU, Rajendranagar, Hyderabad
3:30 – 4:00pm	:	Shadenet and Polyhouse Vegetable Production Unit Visit - PJTSAU, Rajendranagar, Hyderabad
4:00 – 4:15pm	:	Tea and Snacks
4:15 – 4:30pm	:	Vote of Thanks and Distribution of Biofertilizers & Biopesticides to farmers

How is the event linked to AzadikaAmritMahotsav:

In the span of 75 years of Azadi, India has focused on entrepreneurial development and regulated growth of an individual. At present small-scale enterprises contributes more than 80 per cent of the total industrial units in the country, 40 per cent of the total industrial production, 35 per cent of the total exports and nearly 80 per cent of industrial employment

in Indian economy. The share of manufacturing in GDP, which was 9 percent in 1950–1951, rose to 18 percent in 2000–2001.

After independence, the Indian government recognized the importance ofdeveloping small scale enterprises which led to the development of enterprises contributing to the GDP. To celebrate the growth, especially farmers as entrepreneurs, an event **"Farmer Entrepreneurship in Small Enterprises for Income Generation"**is conducted under DBT Biotech-KISAN project in theAzadikaAmritMahotsav.

Potential/Expected Impact:

Awareness, training and encouraging farmers to take up small scale enterprises for additional income.

सशक्त भारत

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Lab2 Market Campaign

Name of the organizer: BIRAC

Date and Time: Weekly basis

URL/Registration link (in case of virtual event):

Venue (in case of physical event): Social Media-BIRAC Twitter and Facebook Handle

Brief background/purpose of the event:

Several customized and uniquely positioned initiatives of BIRAC have helped recognize a growing number of the Biotech Entrepreneurship Start-ups & over 165 commercially deployed products. The idea is to initiate a campaign to promote and inspire conversation around the BIRAC supported innovations on the social media platform.

@BIRAC_2012 supported innovation PathoDetect is a highly sensitive real-time PCR test for novel coronavirus 2019 detection. Synthetic Positive controls are provided for the validity of the test and internal control for quality check throughout the procedure is also included. #AzadiKaAmritMahotsav #IndiaAt75.

@DBTIndia @Drrenuswarup @bhalla_anju

How is the event linked to Azadi ka Amrit Mahotsav?

The event has an overarching tagline **विज्ञान से विकास-प्रौद्योगिकी से प्रगति** under the theme *सशक्त भारत.* All these supported innovations are Make in India innovations that aim to strengthen the Atma Nirbhar Bharat initiative.

Potential/Expected Impact:

Outreach of BIRAC supported innovations to the social media audience to make people aware about the innovations that can be helpful to their day to day lives. BIRAC's efforts have resulted in significant changes in the landscape of the Indian biotechnology sector.

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Performa for reporting AKAM events by Ministries

Particulars	Details			
Name of Department/Agency	Department of Biotechnology			
Name of Ministry	Ministry of Science and Technology			
Name of the AI/PSU	Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram			
Name of event	1. Geospatial technology for Sustainable development 2. BIOTECHNOLOGY as a career option of choice 3. Empowerment of tribal communities through value addition of local resources			
Start date of event	02-10-2021 09-10-2021 10-10-2021			
Theme of event (tick one)	□ Freedom Struggle □ Ideas@75 √ Achievements@75 √ Actions@75 □ Resolve@75			
Description of event	1. Open Day event on "Geospatial technology for Sustainable development". Talk delivered by Dr. N.C. Anilkumar, Senior Scientist Kerala State Remote Sensing and Environment Centre, Department of Planning and Economic Affairs, Government of Kerala. 2. Open Day lecture on "BIOTECHNOLOGY as a career option of choice" delivered by Dr. Pradeep Kumar. G, Scientist G, RGCB, Thiruvananthapuram. 3. Training program on the Processing of Wild Honey and distribution of a honey processing machine to the tribal people in Uppukunnu, Idukki.			
Nature of event (tick one)	√Jan bhagidari (open to public) □ Only participation from within Department/Ministry (no public)			
Expected number of participants in event	1. 24 participants 2. 68 participants 3. 27 trainees			
VIP attendees (if any)	Nil			
Associate Partners	**Ministry #1:**		**State/UT #1:**	
	Ministry #2:		**State/UT #2:**	
	Other		**Other**	Government of Kerala

Mode of event	√ Online event (webinar, virtual event) √ Offline event (in-person participation) ☐ Hybrid event (mix of online and offline modes)	
Mode of advertisement of event	√ Websites √ Social Media ☐ Newspaper ☐ Television media ☐ Other mode	
Nodal officer *(DBT Nodal Officer)*	**Name:**	
	Designation:	
	Email ID:	
	Phone number:	

Add any pictures/videos/additional information here:

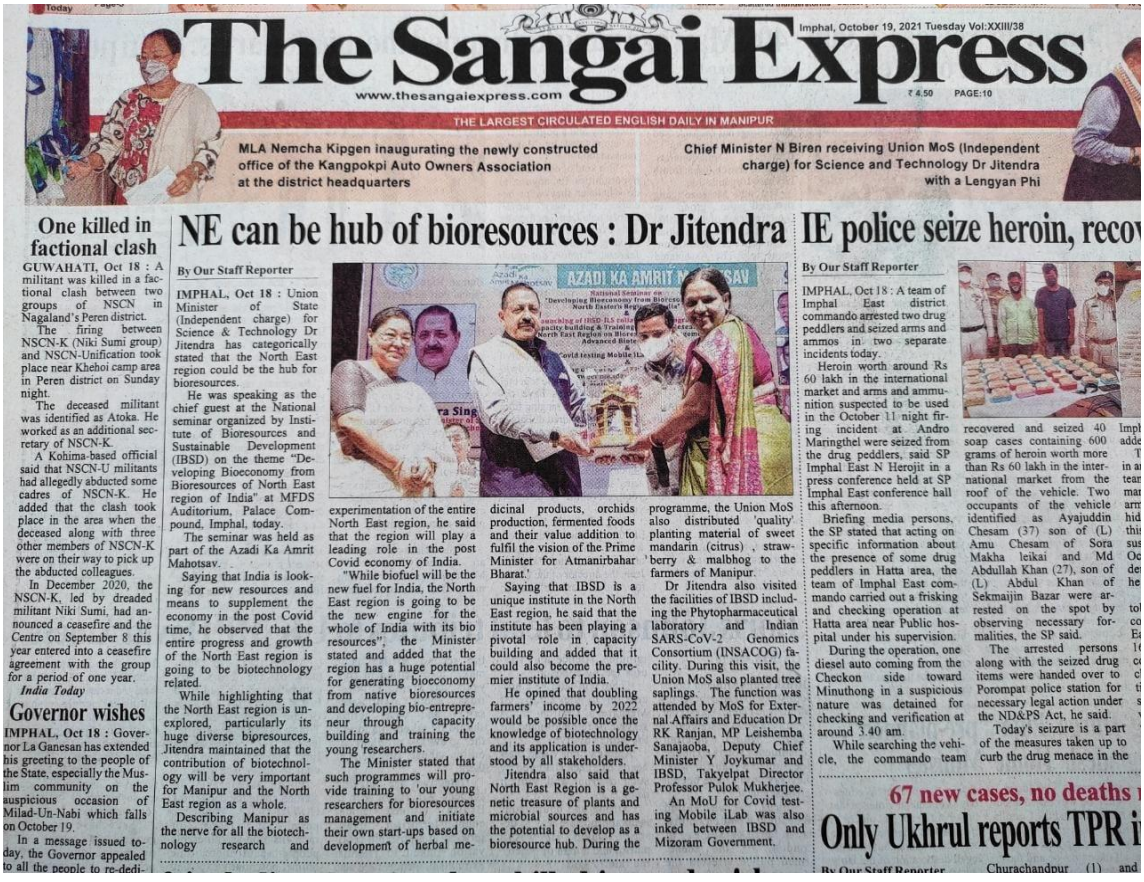
DBT- RGCB's Tribal heritage team has conducted a training program on the Processing of Wild Honey and distribution of a honey processing machine to the tribal people in Uppukunnu, Idukki on 10th October 2021.

Performa for reporting AKAM events by the Ministries

Particulars	Details
Name of Department	Department of Biotechnology
Name of Ministry	Ministry of Science and Technology
Name of the Organiser	DBT-IBSD
Name of event	Developing Bioeconomy from Bioresources of North East India
Start date of event	18th October 2021
Theme of event (tick one)	Actions@75
Description of event	A National Seminar titled "Developing Bioeconomy from Bioresources of North-East India" to commemorate 75 years of progressive India (Azadi Ka Amrit Mahotsav),was organised by the DBT-IBSD on 18th October 2021 at Manipur Film Development Corporation Complex, Palace Compound, Imphal in Manipur under the aegis of its Director, Prof. Pulok K. Mukherjee . Esteemed dignitaries included Shri YumnamJoykumar Singh, Hon'ble Deputy Chief Minister of Manipur &Hon'ble Minister of Science & Technology, Finance, Excise, Taxation, Economics & Statistics, Civil Aviation, Govt. of Manipur,Dr. Rajkumar Ranjan Singh, Hon'ble Union Minister of State, Ministry of External Affairs and Education, Govt. of India, Maharaja LeishembaSanajaoba, Hon'ble Member of Parliament (RAJYA SABHA), Govt. of India , representatives of DBT, Govt. of India, officials of Dept. of Health & Family Welfare, Govt. of Mizoram, apart from academicians , researchers and scientists among others . The attendance of Shri Dr. Jitendra Singh, Hon'ble Union Minister of State (Independent Charge) of the Ministry of Science & Technology, Ministry of Earth Sciences, Union Minister of State in the Prime Minister's Office, Ministry of Personnel, Public Grievances & Pensions, Minister of State in the Department of Atomic Energy and Department of Space, Govt. of India as the Chief Guest marked the highlight of the event. The Hon'ble Union Minister, who arrived at Imphal around 05:00 PM IST, accompanied by the Director and faculties of

	DBT-IBSD Imphal also called on the Hon'ble Chief Minister, Government of Manipur prior to his scheduled visit of IBSD Campus at Takyelpat, Imphal. To commemorate the occasion, the Hon'ble Union Minister planted tree saplings inside the campus of DBT-IBSD and visited research facilities including the Phytopharmaceutical Laboratory and INSACOG (Indian SARS-CoV-2 Consortium). During the seminar, DBT-IBSD-ILS collaborative programme on "Capacity building & Training for Young Researchers of North East Region on Bio resources management & Advanced Biotechnology" was officially launched,MoU for Covid testing Mobile iLab with Government of Mizoram was signed& quality planting material of sweet mandarin (Citrus sp.), strawberry &Malbhog was distributed to the farmers of Manipur.	
Nature of event (tick one)	Jan bhagidari (open to public)	
VIP attendees(if any)	**Dr. Jitendra Singh** Hon'ble Union Minister of State (Independent Charge) of the Ministry of Science & Technology, Ministry of Earth Sciences **Shri Yumnam Joykumar Singh**, Hon'ble Deputy Chief Minister of Manipur &Hon'ble Minister of Science & Technology, Finance, Excise, Taxation, Economics & Statistics, Civil Aviation, Govt. of Manipur **Dr. Rajkumar Ranjan Singh**, Hon'ble Union Minister of State, Ministry of External Affairs and Education, Govt. of India **Shri Maharaja Leishemba Sanajaoba**, Hon'ble Member of Parliament (RAJYA SABHA)	
Mode of advertisement of event	Social Media	
Nodal officer *(DBT Nodal Officer)*	**Name:**	Dr. Vaishali Panjabi,
	Designation:	Scientist E
	Email ID:	vaishalip.dbt@nic.in
	Phone number:	011-24366268
	Name:	Dr. Amit KumarYadav
	Designation:	Scientist C
	Email ID:	yadav.ak@dbt.nic.in
	Phone number:	011-24360295

Add any pictures/videos/additional information here:



The Sangai Express

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THE LARGEST CIRCULATED ENGLISH DAILY IN MANIPUR

MLA Nemcha Kipgen inaugurating the newly constructed office of the Kangpokpi Auto Owners Association at the district headquarters

Chief Minister N Biren receiving Union MoS (Independent charge) for Science and Technology Dr Jitendra with a Lengyan Phi

One killed in factional clash

GUWAHATI, Oct 18 : A militant was killed in a factional clash between two groups of NSCN in Nagaland's Peren district.

The firing between NSCN-K (Niki Sumi group) and NSCN-Unification took place near Khehoi camp area in Peren district on Sunday night.

The deceased militant was identified as Atoka. He worked as an additional secretary of NSCN-K.

A Kohima-based official said that NSCN-U militants had allegedly abducted some cadres of NSCN-K. He added that the clash took place in the area when the deceased along with three other members of NSCN-K were on their way to pick up the abducted colleagues.

In December 2020, the NSCN-K, led by dreaded militant Niki Sumi, had announced a ceasefire and the Centre on September 8 this year entered into a ceasefire agreement with the group for a period of one year.

India Today

Governor wishes

IMPHAL, Oct 18 : Governor La Ganesan has extended his greeting to the people of the State, especially the Muslim community on the auspicious occasion of Milad-Un-Nabi which falls on October 19.

In a message issued today, the Governor appealed to all the people to re-dedi-

NE can be hub of bioresources : Dr Jitendra

By Our Staff Reporter

IMPHAL, Oct 18 : Union Minister of State (Independent charge) for Science & Technology Dr Jitendra has categorically stated that the North East region could be the hub for bioresources.

He was speaking as the chief guest at the National seminar organized by Institute of Bioresources and Sustainable Development (IBSD) on the theme "Developing Bioeconomy from Bioresources of North East region of India" at MFDS Auditorium, Palace Compound, Imphal, today.

The seminar was held as part of the Azadi Ka Amrit Mahotsav.

Saying that India is looking for new resources and means to supplement the economy in the post Covid time, he observed that the entire progress and growth of the North East region is going to be biotechnology related.

While highlighting that the North East region is unexplored, particularly its huge diverse bipresources, Jitendra maintained that the contribution of biotechnology will be very important for Manipur and the North East region as a whole.

Describing Manipur as the nerve for all the biotechnology research and

experimentation of the entire North East region, he said that the region will play a leading role in the post Covid economy of India.

"While biofuel will be the new fuel for India, the North East region is going to be the new engine for the whole of India with its bio resources", the Minister stated and added that the region has a huge potential for generating bioeconomy from native bioresources and developing bio-entrepreneur through capacity building and training the young researchers.

The Minister stated that such programmes will provide training to 'our young researchers for bioresources management and initiate their own start-ups based on development of herbal medicinal products, orchids production, fermented foods and their value addition to fulfil the vision of the Prime Minister for Atmanirbahar Bharat.'

Saying that IBSD is a unique institute in the North East region, he said that the institute has been playing a pivotal role in capacity building and added that it could also become the premier institute of India.

He opined that doubling farmers' income by 2022 would be possible once the knowledge of biotechnology and its application is understood by all stakeholders.

Jitendra also said that North East Region is a genetic treasure of plants and microbial sources and has the potential to develop as a bioresource hub. During the programme, the Union MoS also distributed 'quality' planting material of sweet mandarin (citrus) , strawberry & malbhog to the farmers of Manipur.

Dr Jitendra also visited the facilities of IBSD including the Phytopharmaceutical laboratory and Indian SARS-CoV-2 Genomics Consortium (INSACOG) facility. During this visit, the Union MoS also planted tree saplings. The function was attended by MoS for External Affairs and Education Dr RK Ranjan, MP Leishemba Sanajaoba, Deputy Chief Minister Y Joykumar and IBSD, Takyelpat Director Professor Pulok Mukherjee.

An MoU for Covid testing Mobile iLab was also inked between IBSD and Mizoram Government.

IE police seize heroin, recov

By Our Staff Reporter

IMPHAL, Oct 18 : A team of Imphal East district commando arrested two drug peddlers and seized arms and ammos in two separate incidents today.

Heroin worth around Rs 60 lakh in the international market and arms and ammunition suspected to be used in the October 11 night firing incident at Andro Maringthel were seized from the drug peddlers, said SP Imphal East N Herojit in a press conference held at SP Imphal East conference hall this afternoon.

Briefing media persons, the SP stated that acting on specific information about the presence of some drug peddlers in Hatta area, the team of Imphal East commando carried out a frisking and checking operation at Hatta area near Public hospital under his supervision.

During the operation, one diesel auto coming from the Checkon side toward Minuthong in a suspicious nature was detained for checking and verification at around 3.40 am.

While searching the vehicle, the commando team

recovered and seized 40 soap cases containing 600 grams of heroin worth more than Rs 60 lakh in the international market from the roof of the vehicle. Two occupants of the vehicle identified as Ayajuddin Chesam (37) son of (L) Amu Chesam of Sora Makha leikai and Md Abdullah Khan (27), son of (L) Abdul Khan of Sekmaijin Bazar were arrested on the spot by observing necessary formalities, the SP said.

The arrested persons along with the seized drug items were handed over to Porompat police station for necessary legal action under the ND&PS Act, he said.

Today's seizure is a part of the measures taken up to curb the drug menace in the

67 new cases, no deaths

Only Ukhrul reports TPR i

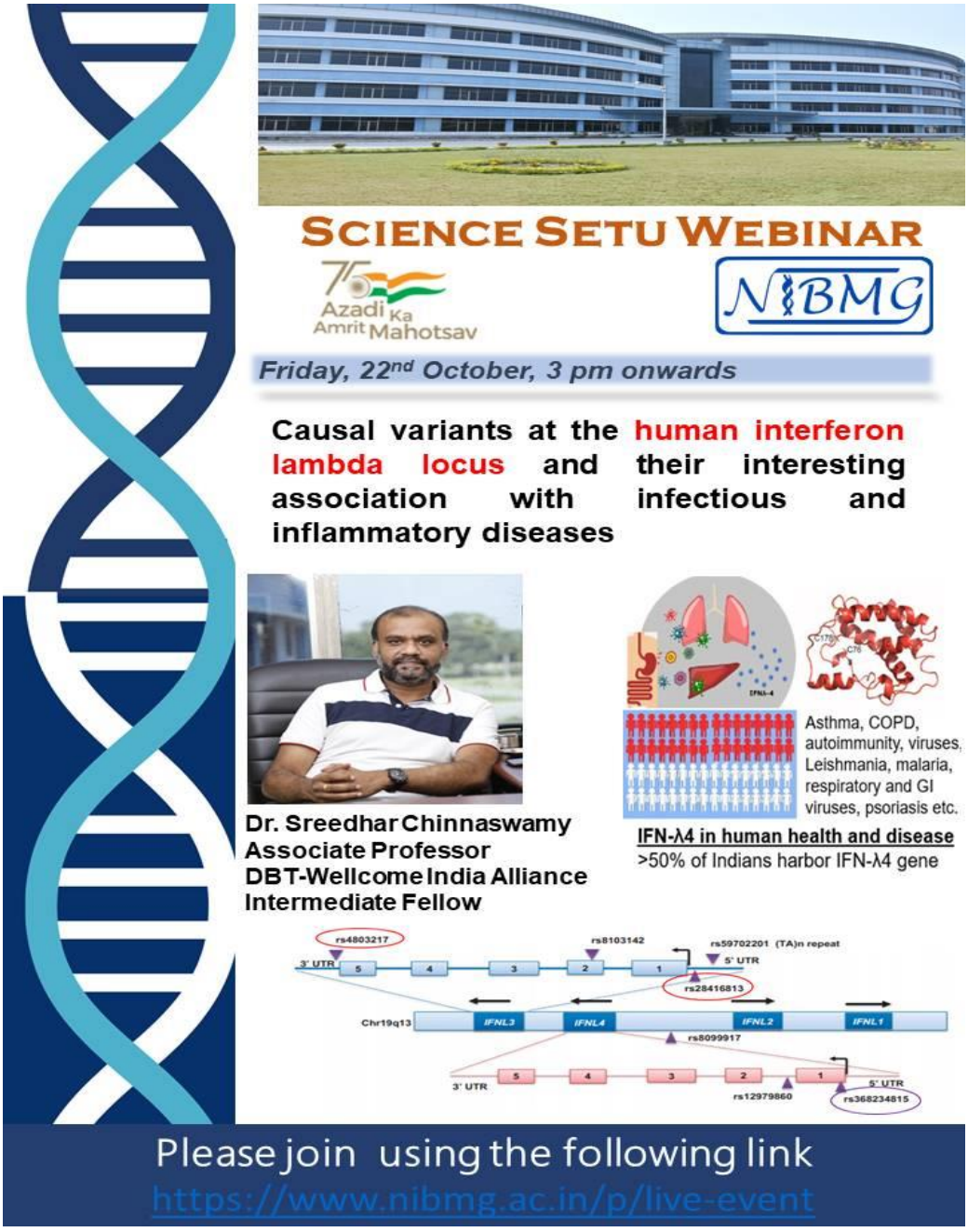
By Our Staff Reporter Churachandpur (1) and

Performa for reporting AKAM events by Ministries

Particulars	Details			
Name of Department/Agency	Department of Biotechnology			
Name of Ministry	Ministry of Science and Technology			
Name of the AI/PSU	National Institute of Biomedical Genomics, Kalyani			
Name of event	Science Setu			
Start date of event	22-10-2021			
Theme of event (tick one)	☐ Freedom Struggle ☐ Ideas@75 ☐ Achievements@75 ☐ Actions@75 ☐ Resolve@75			
Description of event	This event is organised as part of Science Setu program for the DBT STAR colleges. The talk coverd insights into the human INF-λ's association with infections and inflammatory diseases.			
Nature of event (tick one)	☐ Jan bhagidari (open to public) ☐ Only participation from within Department/Ministry (no public)			
Expected number of participants in event	~200			
VIP attendees (if any)				
Associate Partners	**Ministry #1:**		**State/UT #1:**	
	Ministry #2:		**State/UT #2:**	
	Other		**Other**	
Mode of event	☐ Online event (webinar, virtual event) ☐ Offline event (in-person participation) ☐ Hybrid event (mix of online and offline modes)			
Mode of advertisement of event	☐ Websites ☐ Social Media ☐ Newspaper ☐ Television media ☐ Other mode			
Nodal officer	**Name:**	Dr. Sandhya Shenoy		

(DBT Nodal Officer)	**Designation:**	Scientist-F
	Email ID:	sandhya.shenoy@dbt.nic.in
	Phone number:	011-24367192

Add any pictures/videos/additional information here:



Performa for reporting AKAM events by Ministries

Particulars	Details			
Name of Department/Agency	Department of Biotechnology			
Name of Ministry	Ministry of Science and Technology			
Name of the AI/PSU	Institute for Stem Cell Science & Regenerative Medicine (DBT-inStem)			
Name of event	inStem Science Setu Series : Discovering Possibilities			
Start date of event	Saturday 23 October 2021 (Bimonthly since April 2021)			
Theme of event (tick one)	☐ Freedom Struggle ☐ Ideas@75 ☐ √**Achievements@75** ☐ Actions@75 ☐ Resolve@75			
Description of event	The Science Setu program events at inStem cover research in contemporary areas, highlighting key outcomes in basic research, clinical translation and industry in the country. Further, lectures are planned to discuss career opportunities to UG and PG students. The engagements which began in April 2021 highlight the progress and advances laboratories in India have made in the area collectively, over preceding decades and the current contemporary approaches in our laboratories. Speaker: **Prof MS Sheshshayee**; Department of Crop Physiology, University of Agricultural Sciences, Bengaluru. Title: **How much water do we EAT? Do we have enough water to produce food for us in future?** Saturday 10:00 AM; 23 October 2021			
Nature of event (tick one)	☐ √**Jan bhagidari (open to public)** ☐ Only participation from within Department/Ministry (no public)			
Expected number of participants in event	150-200 UG and PG students and their science teachers from Bangalore, Mangalore, Ujire, Gadag in Karnataka; Chennai and Anchal (Kerala).			
VIP attendees (if any)				
Associate Partners	**Ministry #1:**	NIL	**State/UT #1:**	
	Ministry #2:	NIL	**State/UT #2:**	
	Other		**Other**	

Mode of event	☐ √**Online event (webinar, virtual event)** ☐ Offline event (in-person participation) ☐ Hybrid event (mix of online and offline modes)	
Mode of advertisement of event	☐ √**Websites** https://www.instem.res.in/dbt-instem-science-setu ☐ √Social Media DBT Sci Comm; Soc Media account ☐ Newspaper ☐ Television media ☐ √Other mode (email from dedicated account)	
Nodal officer *(DBT Nodal Officer)*	**Name:**	
	Designation:	
	Email ID:	
	Phone number:	

Add any pictures/videos/additional information here:

Performa for reporting AKAM events by Ministries

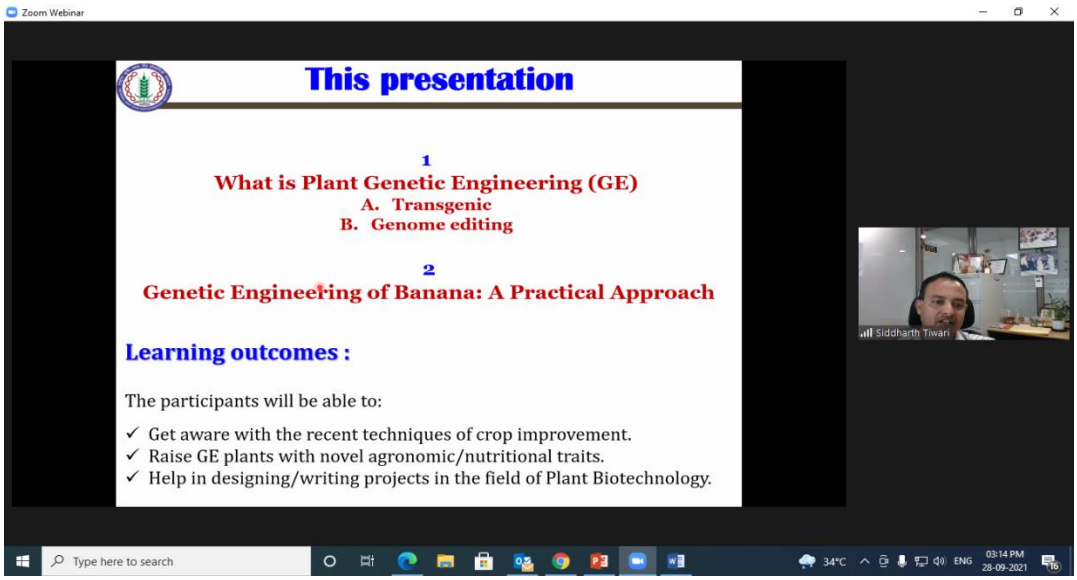
Particulars	Details			
Name of Department/Agency	Department of Biotechnology			
Name of Ministry	Ministry of Science and Technology			
Name of the AI/PSU	International Centre for Genetic Engineering and Biotechnology			
Name of event	Biofortification of crops through Genetic Engineering: Focus on Banana			
Start date of event	28th September 2021			
Theme of event (tick one)	☐ Freedom Struggle ☐ Ideas@75 ☐ Achievements@75 ✓ Actions@75 ☐ Resolve@75			
Description of event	The lecture was organised under the Science Setu Programme to educate the young minds from 13 colleges assigned to ICGEB about methods of Plant Transformation with special reference to Banana.			
Nature of event (tick one)	✓ Jan bhagidari (open to public) ☐ Only participation from within Department/Ministry (no public)			
Expected number of participants in event	80			
VIP attendees (if any)	No			
Associate Partners	**Ministry #1:**	-	**State/UT #1:**	-
	Ministry #2:	-	**State/UT #2:**	-
	Other	-	**Other**	-
Mode of event	✓ Online event (webinar, virtual event) ☐ Offline event (in-person participation) ☐ Hybrid event (mix of online and offline modes)			
Mode of advertisement of event	☐ Websites ☐ Social Media ☐ Newspaper ☐ Television media ✓ Other mode			
Nodal officer	**Name:**	-		

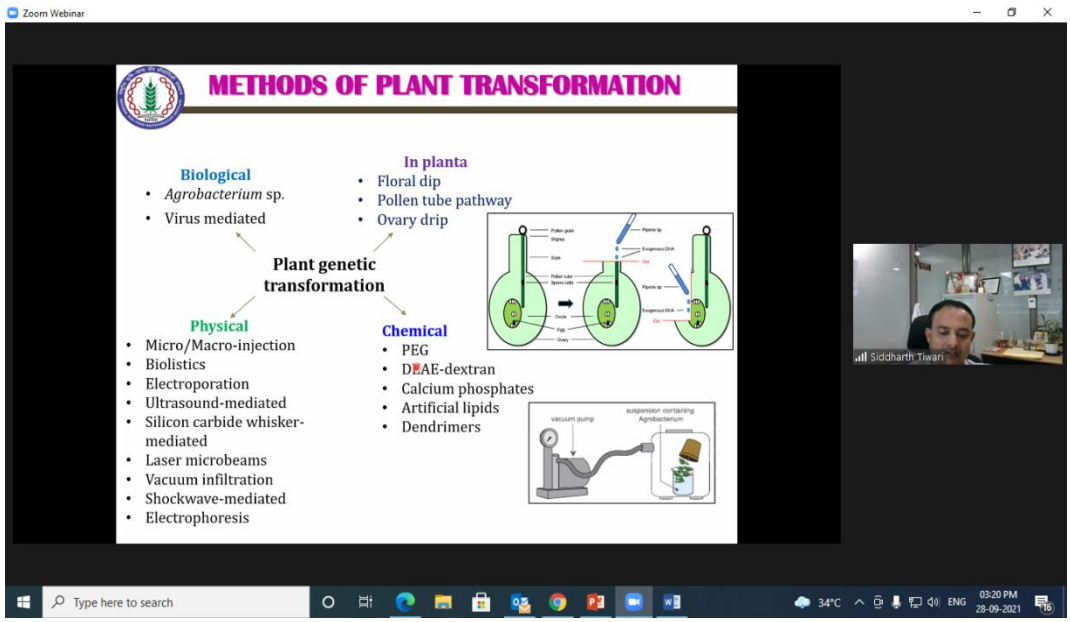
(DBT Nodal Officer)	**Designation:**	-
	Email ID:	-
	Phone number:	-

Add any pictures/videos/additional information here:

The lecture was organised under the Science Setu Programme to educate the young minds from 13 colleges assigned to ICGEB about methods of Plant transformation with special reference to Banana. The lecture highlighted the Biofortification of crops through Genetic Engineering. This talk must have sensitized participant's minds about the important issue of the food security and latest development in the field of Genetic Engineering of Plant.

Pictures:





Performa for reporting AKAM events by Ministries

Particulars	Details
Name of Department	Department of Biotechnology
Name of Ministry	Ministry of Science and Technology
Name of the Organiser	ICAR- IARI, PUSA
Name of event	**Farmer-Scientist Mega connect under the DBT-Biotech-Krishi Innovation Science Application Network (Biotech-KISAN)**
Start date of event	28th October 2021
Theme of event (tick one)	Actions@75
Description of event	A Mega-event ***"Farmers-Scientists Connect Meet"*** under "Azadi ka Amrit Mahotsav" will be organized from 11:30 AM to 12:30 PM on October 28, 2021 (both in physical and virtual mode) under the Biotech-KISAN Hub established at ICAR-IARI, Pusa, New Delhi. It is planned to connect the scientists with 75,000 farmers from 75 Aspirational Districts in the country through virtual mode, where Biotech-KISAN activities are under implementation. The Inaugural Session of the event will be organized at ICAR-IARI, Pusa, New Delhi campus in physical mode from 11:30 AM to 12:30 PM, Hon'ble Minister for S&T and ES, will be the Chief Guest. 100 beneficiary farmers associated with Biotech-KISAN Hub at ICAR-IARI, New Delhi have been invited. After the Inaugural Session for one hour, the event will continue with the lectures from scientists and sharing of experience by farmers till 3:00 PM same day.
Nature of event (tick one)	Jan bhagidari (open to public)
Expected number of participants in event	75,000
VIP attendees (if any)	**Dr. Jitendra Singh**, Hon'ble Union Minister of State (Independent Charge) of the Ministry of Science & Technology, Ministry of Earth Sciences **Dr. Renu Swarup**, Secretary, DBT & DST

	Dr. Shekhar C. Mande, Secretary DSIR **Dr. M. Ravichandran**, Secretary, MoES **Dr. Trilochan Mohapatra**, Secretray DARE & DG, ICAR **Dr. A. K. Singh**, Director ICAR-IARI			
Associate Partners	**Ministry #1:**	MoES, DARE	**State/UT #1:**	
Mode of event	Hybrid event (mix of online and offline modes)			
Mode of advertisement of event	Social Media			
Nodal officer *(DBT Nodal Officer)*	**Name:**	Dr. Vaishali Panjabi,		
	Designation:	Scientist E		
	Email ID:	vaishalip.dbt@nic.in		
	Phone number:	011-24366268		
	Name:	Dr. Amit KumarYadav		
	Designation:	Scientist C		
	Email ID:	yadav.ak@dbt.nic.in		
	Phone number:	011-24360295		