

Mass Media Campaign and Demonstration & Webinar on Processing and Value Addition in the context of Accelerated Retting of Jute

July 13-19, 2021



Overview of the Theme:

Processing and Value Addition in the context of Accelerated Retting of Jute

Jute is often considered as the golden fibre and has played predominant role in Indian economy. The silky lustre, high tensile strength, low extensibility, considerable heat and fire resistance and long staple length made the fibre popular for industrial use. Nearly 4 million farmers and 3.7 lakh labourers sustain over the jute crop. Jute sector also contributes significantly in Indian economy through post harvest technologies including organised mill sector and jute diversified products manufacturing and marketing. The jute growers are mostly marginal and small farmers having poor economic status with small land holdings. Earlier ICAR-NINFET has developed the five grade system and the Commission for Agricultural Costs & Prices (CACP), Government of India has accepted the system with five quality parameters. The minimum support price (MSP) for jute is being fixed on the basis of the five grade system. Five parameters determining fibre quality are strength, fineness, colour, defect and root content is often dependent on proper retting of jute. Thus, retting is the one of the most important fibre extraction processes to dictate the fibre quality of jute. Retting water management plays a key role towards making a difference in fibre quality. Jute retted in flowing water or recycled harvested rainwater produces better quality fibre than stagnant water of pond due to better water quality. Microbial population prevailing in the water plays the crucial role for the retting process as they search for the food from the dead tissues. Availability of sufficient carbon and energy sources in water helps to build the microbial population. Addition of an external source of carbon supplements on the jute bundles will attract more microbes towards the bundles and enhance their activities causing acceleration of the retting process by enzymes.

Retting accelerator composition NINFET Sathi has been developed with this concept and has been found to reduce the duration of retting by 10-12 days with lesser volume of water and upgradation of quality by one to two grades. Mechano-microbial process of extracting ribbons from the bark of jute mechanically and retting in a retting tank through application of microbes along with retting accelerator as food supplement may further reduce the duration of retting with enhanced grade of fibre.

Keeping in view, the importance of the institute in national perspective, Indian Council of Agricultural Research has endorsed the institute to celebrate the Bharat Ka Amrut Mahotsav (Commemoration of 75 years of India's Independence) through mass media campaign and awareness program on one of Institute's flagship technology "Accelerated Retting Technology" with the formation of NINFET-Sathi during the 3rd Week of the July, 2021. To grow the awareness among different stakeholders about the advanced retting technology in a comprehensive manner a weeklong programme will be organized during July 13-17, 2021. The cardinal session of the Bharat Ka Amrut Mahotsav programme will be held through organization of a webinar on July 19, 2021 where lectures by experts will be delivered on water management, retting accelerator NINFET Sathi and mechanisation of extraction process in context to retting of jute.

Weeklong Programme on Mass Media Campaign and Demonstration about the Accelerated Retting of Jute & Distribution of NINFET–Sathi

Date & Time	Topic	Participants
13.07.2021 (Tuesday)	Inauguration & Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Murshidabad	Dr. D.B.Shakyawar , Director, ICAR-NINFET & All ICAR Staffs Dr. D.P.Ray & MGMG Group 4
	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Nadia	Dr. S. Sengupta, Head, MP Division Dr. S.Debnath & MGMG Group 5
14.07.2021 (Wednesday)	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Nadia	Dr. S. Sengupta, Head, MP Division Dr. S.Debnath & MGMG Group 5
	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Murshidabad	Dr. D.B.Shakyawar , Director, ICAR-NINFET Dr. D.P.Ray & MGMG Group 4
15.07.2021 (Thursday)	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Hooghly	Dr. B. Saha, Head QE& I Division Dr.V.B.Shambhu & MGMG Group 2
	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Malda	Dr. A.N.Roy, Head, ToT Division Dr. L.K.Nayak & MGMG Group 1
16.07.2021 (Friday)	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Malda	Dr. A.N.Roy, Head, ToT Division Dr. L.K.Nayak & MGMG Group 1
	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at North 24 Parganas	Dr. S.N.Chattopadhyay, Head, CBP Division Dr. S.B.Roy & MGMG Group 3
17.07.2021 (Saturday)	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at North 24 Parganas	Dr. S.N.Chattopadhyay, Head, CBP Division Dr. S.B.Roy & MGMG Group 3
	Distribution of NINFET-Sathi to Scheduled Caste Jute Farmers at Hooghly	Dr. B. Saha, Head QE& I Division Dr.V.B.Shambhu & MGMG Group 2
19.07.2021 (Monday)	Webinar on Processing and Value Addition in the context of Accelerated Retting of Jute & Valedictory of the Programme	As per the programme schedule attached

Tentative Program Schedule on July 19, 2021

Time	Details	Speakers
Inaugural Session		
11.30 AM	Introduction and welcome	Dr. Biplab Saha, Convener
11.40 AM	Overview and objective of the program	Dr. D. B. Shakyawar, Director
11.50 AM	<ul style="list-style-type: none"> • Release of book on profile of the ICAR-NINFET • Release of Video on “Accelerated retting with NINFET-Sathi” • Release of News Letter of ICAR-NINFET 	By Chief Guest & dignitaries
12.10 PM	Feedback on Accelerated Retting technology with NINFET-Sathi	FPOs/ KVKs/Other stakeholders
12.25 PM	Address by the Guest of Honour	Dr. S.N.Jha, Assistant Director General (PE), ICAR
12.35 PM	Address by the Guest of Honour	Cmde. A. K. Jolly, MD, JCI
12.45 PM	Address by the Chief Guest	Mr. M.C. Chakraborty, Jute Commissioner
1.00PM	Presidential Address	Dr. R.C. Maheswari, Chairman, RAC,ICAR-NINFET
1.10 PM	Vote of thanks	Dr. D.P.Ray, Principal Scientist, QE&I Division
B R E A K		
Technical Session		
Chairman: Dr R.C.Maheswari, Chairman (RAC)		
Rapporteur: Dr S.B.Roy, Principal Scientist and I/C PME Cell		
01.30 PM	Lecture on “Quality of jute and importance of JDP”	Dr. D. B. Shakyawar, Director, ICAR-NINFET
01.50 PM	Lecture on “Water in the context of retting”	Dr. G. Kar, Director, ICAR-CRIJAF
2.10 PM	Lecture on “Development in jute extraction technologies”	Dr. Uday Badegaonkar, ICAR-CIAE, Bhopal
2.30 PM	Interactive Session with speakers	Participants
2.45 PM	Wrapping up the session by Chairman	Dr.R.C.Maheswari, Chairman, RAC, NINFET
3.00 PM	Thanks to the Chair and Speakers	Dr L.K.Nayak, Principal Scientist, TOT Division

All the stakeholders are invited to participate in virtual mode through the given link

Organizing Committee:

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| 1.Dr. D. B. Shakyawar, Director, ICAR-NINFET, Chairman | 9.Dr. D.P.Ray, Principal Scientist, QE&I Division, Member |
| 2.Dr. Biplab Saha, Head, QE&I Division, ICAR-NINFET, Convener | 10. Dr. L.K.Nayak, Principal Scientist, TOT Division, Member |
| 3.Dr. S.N.Chattopadhyay, Head, CBP Division, Member | 11. Dr. V. B. Shambhu, Principal Scientist, TOT Division, Member |
| 4. Dr. A.N.Roy,Head, ToT Division, Member | 12. Sri Sujai Das, Scientist, Member |
| 5.Dr. Surajit Sengupta, Head, MP Division, Member | 13. Sri Navin Kumar Jha, Sr. Administrative Officer, Member |
| 7.Dr. S. B. Roy , Principal Scientist, TOT Division, Member | 14. Miss Swarnali Mukherjee, Assistant Administrative Officer, Member |
| 8. Dr. Sanjay Debnath, Principal Scientist, MP Division, Member | 15. Sri Shahzad Javed, Assistant Administrative Officer, Member |