



In this Issue

1.	From the Director's Desk	1
2.	Significant Research Findings	2
3.	Workshops/Seminars/Meetings/Trainings	3-6
4.	Participation from ICFRE-RFRI in Workshops/Seminars/Meetings	7-11
5.	Memorandum of Understandings(MoUs)	11-12
6.	Activities under Van Vigyan Kendras (VVKs)	12-13
7.	Special Day Celebrations	13-17
8.	Activities related to Official Language	17-18
9.	Visit of Guests	18-21
10.	Awareness & Demonstarion Programmes	19-21
11.	Human Resource News	21
12.	ICFRE-RFRI Recent Publications	22-23
13.	ICFRE-RFRI in News	24-25

From the Director's Desk



ICFRE-Rain Forest Research Institute (ICFRE-RFRI) is one of the nine Research Institutes of Indian Council of Forestry Research and Education (ICFRE) which is an autonomous body under the Ministry of Environment, Forest and Climate Change, Government of India and is premier research organisation in the National Forestry Research System.

The institute along with its two satellite centres- ICFRE-Bamboo and Rattan Centre (ICFRE-BRC), Aizawl and ICFRE-Livelihood Extension Centre (ICFRE-LEC), Agartala has established themselves as a major centre for research on forestry & ecology related issues to extend knowledge through research, education and extension in general and to support forestry research in North Eastern states.

I take pride on this momentous occasion unveiling the 4th issue (July-September, 2024) of the ICFRE-RFRI, newsletter showcasing different research activities, events organized, participated, publications made during this period of ICFRE-RFRI, Jorhat.

I hope that the ICFRE-RFRI Newsletter will serve as a beacon of information on the institutional research and extension activities and will be helpful for researchers, stakeholders and policy planners concerned with forestry research.



Dr. Nitin Kulkarni
 Director, ICFRE-RFRI, JORHAT



SIGNIFICANT RESEARCH ACHIEVEMENTS

ICFRE - Rain Forest Research Institute (RFRI), Jorhat, has successfully completed the soil collection and analysis for the preparation of Soil Health Cards for all Forest Divisions in the state of Tripura.

পরামর্শ (জৈবিক) / RECOMMENDATIONS (ORGANIC)			
পারামিটার / Parameters	উৎস / Source	গোবর সার / FYM Nutrients (kg)	বৈকোসার / Vermicompost Nutrients (kg)
নাইট্রোজেন/Nitrogen	FYM (3.00 t/ha) or Vermicompost (0.94t/ha)	15.00	15.00
ফসফরাস/Phosphorus		6.00	6.56
পটাশিয়াম/Potassium		15.00	7.50
সালফার/Sulphur		12.60	3.28
যক্ষা/Zinc		0.04	0.02
বোরন/Boron		0.01	0.01
রৌহা/Iron		4.41	0.16
ম্যাঙ্গানিজ/Manganese		0.21	0.09
তামা/Copper		0.01	0.00

- খুব দেরি হওয়ার আগেই দয়া করে আমাদের বন রক্ষা করুন।
Please protect our forests before it's too late.
- অনুগ্রহ করে জৈব অথবা অজৈব সার ব্যবহার করুন।
Please use either organic or inorganic recommendation.
- জৈবিক সার মাটির স্বাস্থ্য উন্নত করে।
Organic manure improves soil health.
- পরামর্শ অনুযায়ী সার বিবেচনাপূর্বক ব্যবহার করুন।
Use fertilizers judiciously as recommended.
- সমন্বিত পুষ্টি ব্যবস্থাপনা গ্রহণ করুন সুস্থ মাটি ও বনের উৎপাদনশীলতা বৃদ্ধির জন্য।
Adopt integrated nutrient management for healthy soil and increase forest productivity.

আর্থিক সহায়তা: ক্ষতিপূরণমূলক বনায়ন তহবিল ব্যবস্থাপনা এবং পরিকল্পনা কর্তৃপক্ষ (CAMPA), পরিবেশ, বন ও জলবায়ু পরিবর্তন মন্ত্রক, ভারত সরকার

Financial support: Compensatory Afforestation Fund Management and Planning Authority (CAMPA), Ministry of Environment, Forest and Climate Change, Government of India

বনের মাটির স্বাস্থ্য কার্ড
FOREST SOIL HEALTH CARD

ধলাই বন বিভাগ, ত্রিপুরা
DHALAI FOREST DIVISION, TRIPURA

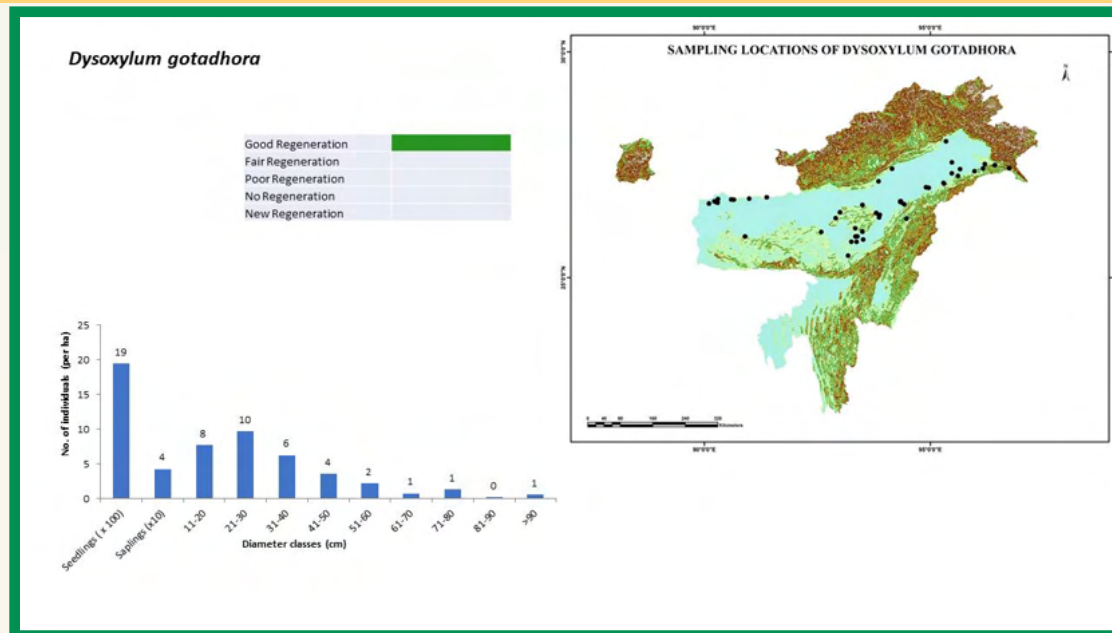
বনের মাটির স্বাস্থ্য কার্ড
Forest Soil Health Card: FSHC/RFRI/TR/01

ডা.ব.গ.শি.প. - বর্ষা অরণ্য গবেষণা প্রতিষ্ঠান
(ভারতীয় বন গবেষণা ও শিক্ষা পরিষদ)
ভারত সরকারের পরিবেশ, বন ও জলবায়ু পরিবর্তন মন্ত্রণালয়ের
অধীনে একটি স্বায়ত্বশাসিত সংস্থা
পোস্ট বক্স নং 136, জোরহাট, অসম
ই-মেইল : dir_rfri@icfre.org / Web : https://rfri.icfre.gov.in

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(INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION)
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Forest and Climate Change, Government of India
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Development of Regeneration Database for Forest Genetic Resources of North East India

ICFRE-RFRI has developed a regeneration database for 100 economically important Forest Genetic Resource (FGR) species that are native to Northeast India. This database marks a significant step in the direction of sustainable forest management in the region.



Abandoned Coal-Mined Land in Meghalaya successfully restored

A 6.5-hectare area of abandoned coal-mined land near Latyke Village, in the Saipung Block of East Jaintia Hills District, Meghalaya, has been successfully restored by the plantation of approximately 32 native plant species with the assistance of plant growth-promoting rhizobacteria (PGPR) and Arbuscular Mycorrhizal Fungi (AMF). This restoration initiative, titled "Restoration of Degraded Coal Mined Land of Meghalaya through Soil Amendment and Microbial Technology for Accelerated Succession," was funded by the Directorate of Mineral Resources, Government of Meghalaya.





ICFRE-RFRI NEWSLETTER

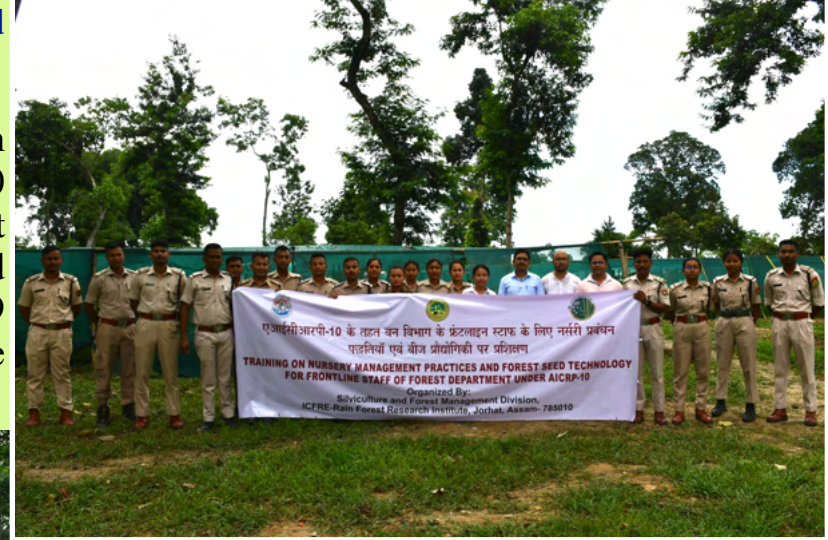
Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



Workshops/Seminars/Meetings/Trainings

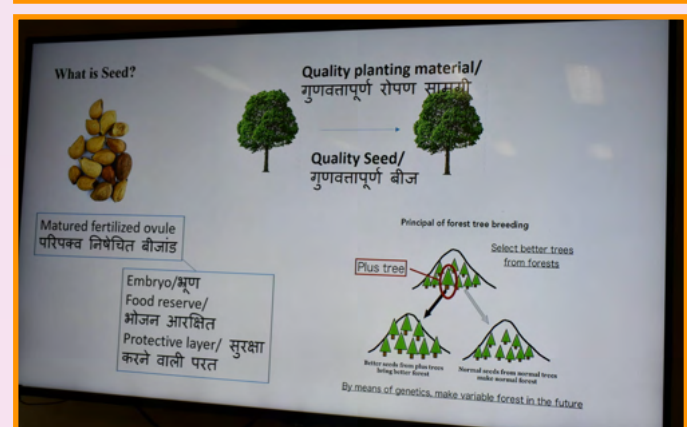
ICFRE-RFRI organizes training on Nursery Management and Forest Seed Technology

Jorhat, July 12, 2024: ICFRE - RFRI, Jorhat, Assam, conducted one-day training on “Nursery Management Practices and Forest Seed Technology” under the AICRP-10 project. The training featured Shri Imotemsu Ao, IFS, Head of the Silviculture & Forest Management Division, Dr. Vishwanath Sharma, Scientist-C and Project Investigator, and Miss Mudang Yampi, Scientist-C, as resource persons. The program benefited 19 frontline staff from the Jorhat Forest Division, providing them with practical knowledge and skills to enhance forest nursery and seed management practices in the region.



ICFRE-RFRI Hosts Virtual Training on Forest Seed Technology and Nursery Management

Jorhat, July 13, 2024: ICFRE - RFRI, Jorhat, Assam, organized a virtual one-day training on “Forest Seed Technology and Nursery Management Practices” as part of the AICRP-10 project. The training was attended by 15 frontline staff from the Korea Division, Baikunthpur, Chhattisgarh Forest Department. This session aimed to equip participants with essential skills and knowledge in seed technology and nursery management to enhance forest restoration and conservation efforts in the region. Among the resource persons were Dr. Vishwanath Sharma, Scientist- C & PI of the project and Dr. Rakesh Kumar Prajapat, Scientist- B.





ICFRE-RFRI NEWSLETTER



Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



ICFRE-LEC conducts Training on Bamboo Propagation and Nursery Management

Agartala, July 15, 2024: ICFRE-LEC, Agartala organized a one-day training on **“Bamboo Propagation and Nursery Management”** with financial support from Seven Sisters Development Assistance (SeSTA). Shri Niren Das, CTO and Training Coordinator at ICFRE-LEC, Agartala, served as the resource person . The training benefited 22 Self-Help Group (SHG) members, equipping them with essential skills in bamboo propagation and nursery management to support sustainable livelihoods.



ICFRE-RFRI Hosts Skill Development Training on Forestry Nursery and Plantation Technology

Jorhat, July 31 to August 2, 2024: ICFRE-RFRI, Jorhat organized a Skill Development Training on **“Nursery and Plantation Technology of Forestry Species”** for farmers at its premises . This program, sponsored by the Assam Agroforestry Development Board, brought together 13 farmers from various districts across Assam. The training aimed to equip farmers with essential skills in nursery and plantation techniques to promote sustainable forestry practices in the region.





ICFRE-RFRI NEWSLETTER



Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |

Agartala, 19-23 August, 2024: ICFRE-LEC organizes Skill Development Training on “Bamboo Handicrafts for Livelihood Development”

The ICFRE-Livelihood Extension Centre, Agartala organized 5-day Skill Development training on “Bamboo Handicrafts for Livelihood Development”, held at the Fashion Handicraft workshop in Ishanpur, West Tripura, the program trained 22 members of Self-Help Groups (SHGs) from West Tripura in bamboo handicraft skills, aiming to enhance livelihood opportunities and promote sustainable craft practices within the community.



ICFRE-RFRI conducted “Junior Rangers” Training to Connect Students with Nature

Jorhat, 21-23 August, 2024: ICFRE-RFRI, Jorhat, Assam conducted 3-day residential training program titled “Junior Rangers – Connecting Students with Nature” for 20 students from three Kendriya Vidyalayas in Jorhat: Kendriya Vidyalaya, NEIST (RRL); Kendriya Vidyalaya, AFS, Rowriah and Kendriya Vidyalaya, ONGC, Cinnamara. Sponsored by the Ministry of Environment, Forest and Climate Change, Government of India, the program aimed to foster a deep connection with nature among young students, encouraging compassion and responsibility toward the environment. The training was coordinated by Shri R.K. Kalita, Course Coordinator and Head of the Extension Division at ICFRE-RFRI.





ICFRE-RFRI NEWSLETTER



Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |

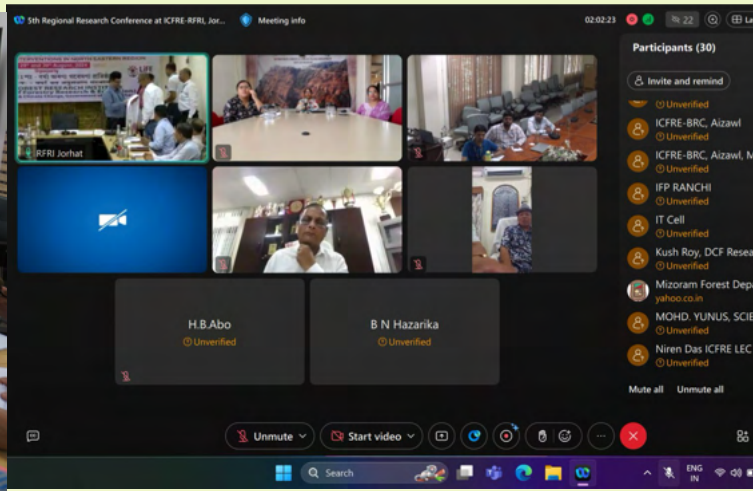
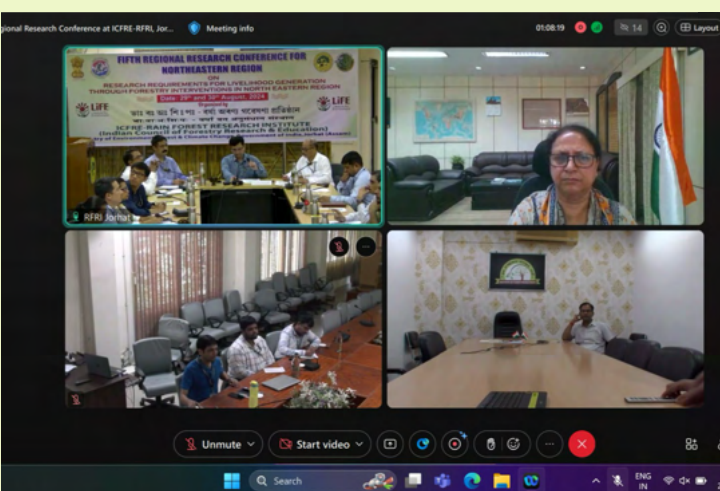
ICFRE-RFRI and ICFRE-LEC Conduct Training on Sustainable Cultivation of Mura Plant

Jorhat, August 28, 2024: ICFRE-RFRI, Jorhat, in collaboration with the ICFRE-Livelihood Extension Center (LEC), Agartala, conducted a training program on “Propagation and Cultivation of *Schumannianthus dichotomus*” at the Tripura State Forest Academy (TSFA), Agartala. The training emphasized the sustainable role of the Murta plant in supporting the livelihoods of rural communities and aimed to curb overexploitation and unscientific harvesting practices. Dr. Prosanta Hazarika, Chief Technical Officer, ICFRE-RFRI, Jorhat, served as the Course Director cum resource person. “Thirty-eight” trainee Foresters from the Academy attended the session. Distinguished attendees included Smt. Paushali Roy, IFS, Director of TSFA; Shri Dhiren Kalai, Course Coordinator, TSFA; and Smt. Archana Das, Faculty Member at TSFA.



ICFRE-RFRI hosts 5th Regional Conference for North Eastern Region

Jorhat, August 29-30, 2024: The ICFRE- Rain Forest Research Institute, organized the 5th Regional Conference for the North Eastern Region on the theme “**Research Requirements for Livelihood Generation through Forestry inventions in North Eastern Region**”. The conference was virtually inaugurated by Smt. Kanchan Devi, IFS, Director General, ICFRE, Dehradun with an inaugural address by Dr. Rajesh Sharma, Deputy General of ICFRE. The institute’s delegation at the event included Dr. Nitin Kulkarni, Director; Dr. R.K. Borah, Group Coordinator (Research) & Shri R.K. Kalita, Head, Extension Division, ICFRE-RFRI, Jorhat. The event witnessed the participation of 60 attendees, comprising senior forest officers from North Eastern States, corporate sector representatives and Scientists from the host institute and other scientific organizations. Prominent dignitaries who contributed their insights included Dr. Pranab Nath, Assam Bio-Refinery Pvt. Ltd., Numaligarh, Golaghat (Assam); Dr. Budhindra Nath Hazarika, Dean, College of Horticulture and Forestry, Pasighat (Arunachal Pradesh) and Shri Shankar Prasad Yadav, Assistant Manager, North Eastern Coalfield, Ledo, Tinsukia (Assam).



PARTICIPATION FROM ICFRE-RFRI IN MEETINGS/ WORKSHOPS/SEMINARS/TRAININGS/

Quarterly Project Review Meeting held

Jorhat, July-22-24, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat chaired the Quarterly Project Review Meeting for the period of April- June, 2024, covering all ongoing projects of ICFRE-RFRI, Jorhat; ICFRE-BRC, Aizawl; and ICFRE-LEC, Agartala. The meeting was held through hybrid mode.

Director, ICFRE-RFRI reviews activities at ICFRE-BRC, Aizawl

Aizawl, July 28-29, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat, visited the ICFRE-Bamboo and Rattan Centre (ICFRE-BRC), Aizawl, to review the ongoing activities of the research centre.



Director, ICFRE-RFRI attends Senior Forest Officials Meeting in Aizawl

Aizawl, July 30, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat, along with officials from ICFRE-BRC, Aizawl, attended the meeting of Senior Forest Officers of the Environment, Forest & Climate Change Department, Mizoram. The meeting, chaired by Shri Ashok Kumar Biswal, IFS, PCCF, Mizoram, was held in the office of the PCCF, at Aizawl, Mizoram.



Director, ICFRE-RFRI attends 30th ICFRE Society AGM

New Delhi, August 5, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat attended the 30th Annual General Meeting of the ICFRE Society, held in the Ministry of Environment, Forest & Climate Change (MoEF&CC), New Delhi.

Director, ICFRE-RFRI attends High Powered Steering Committee of Nirantar

New Delhi, August 9, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat, participated in the 3rd meeting of the High-Powered Steering Committee of the National Institute for Research and Application of Natural Resources to Transform, Adapt and Build Resilience (NIRANTAR). The meeting took place in the Ministry of Environment, Forest and Climate Change (MoEF&CC) office at New Delhi.



ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



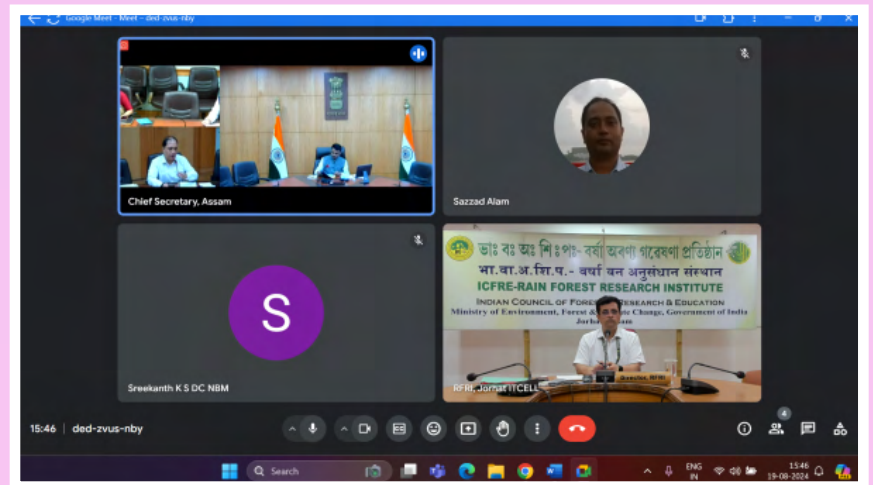
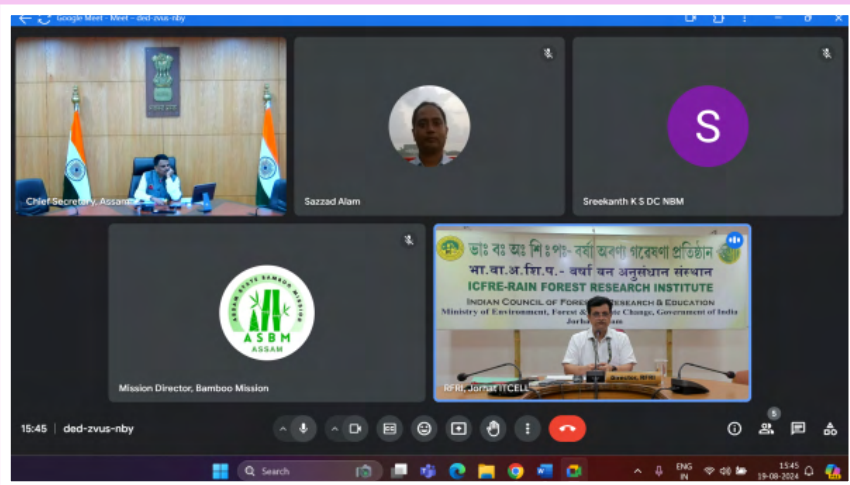
Workshop on GIS Application in Forestry and Ecology Held at Jagannath Barooah College

On August 13, 2024: Dr. Dhruba J. Das, Scientist- F and Head of the Forest Ecology and Climate Change Division at ICFRE-RFRI, Jorhat, participated as a resource person in a workshop titled “**Application of Geographic Information System.**” The event was organized by the Department of Botany, Jagannath Barooah College. During the workshop, Dr. Das delivered three insightful lectures focussing on the applications of Remote Sensing, GIS and GPS in forestry and ecology.



Dr. Nitin Kulkarni Participates in Assam State Bamboo Mission SLEC Meeting

Jorhat, August 19, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat, participated in the State Level Executive Committee (SLEC) meeting of the Assam State Bamboo Mission (ASBM). The meeting, organized by the Industries, Commerce & Public Enterprise Department, Guwahati, was held virtually.



Dr. Satyam Bordoloi attends PAN- India Workshop on Tree Improvement in Coimbatore

Coimbatore, August 19-23, 2024: Dr. Satyam Bordoloi, Scientist- E and Head of the GTI Division, ICFRE-RFRI, Jorhat participated in the “PAN- India Workshop on Tree Improvement”, organized at ICFRE-IFGTB, Coimbatore.

Dr. Nitin Kulkarni delivers inspiring Talk at DISHARAMBH Program

Jorhat, August 22, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat participated as a Guest speaker at the DISHARAMBH program, organized by Assam Kaziranga University, Jorhat. In his inspiring address, he emphasized the significance of forests, environmental conservation, Mission Life, and entrepreneurship development, motivating students to contribute meaningfully to these critical areas. Additionally, he also held discussions with the **Hon'ble Vice Chancellor, Shri P.K. Mishra**, on potential collaborations in various relevant fields attended by the Registrar, Shri Kamath, along with deans and faculty members.





ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



Shri Protul Hazarika speaks on Medicinal Plants at The Assam Kaziranga University, Jorhat

Jorhat, August 28, 2024: Shri Protul Hazarika, Chief Technical Officer of ICFRE-RFRI, Jorhat, Assam participated as a Guest Speaker during the Induction Programme-2024, organized by the School of Pharmacy at Assam Kaziranga University, Jorhat. He delivered an engaging presentation on the topic ‘Medicinal Plants of Northeast India,’ highlighting the region’s rich biodiversity and its potential in the field of medicine.



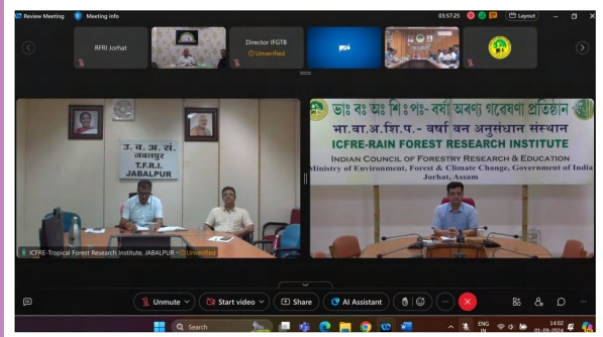
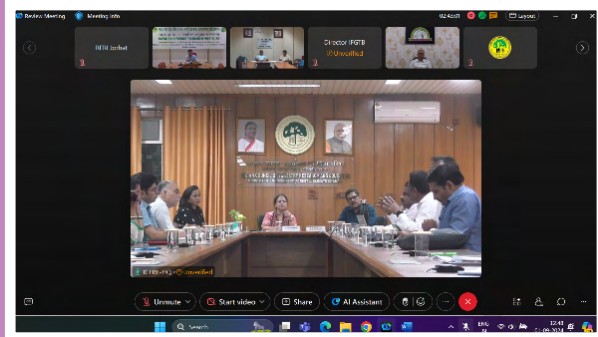
Director, ICFRE-RFRI, attends Valedictory Program of Eri Culture Training Held at Lahdoigarh

Jorhat, August 31, 2024: Dr. Nitin Kulkarni, ICFRE-RFRI attended the valedictory program of the Farmer Skill Development Training on Eri Culture as the Chief Guest at CSB-CMER&TI, Lahdoigarh. The five-day program trained 32 farmers from Jagrathi Kala Kendra, Bihar. The event was also attended by Dr. Abhay Nath Singh, Secretary, Jagrathi Kala Kendra; Dr. Kartik Neog, Director of CMER&TI; and other dignitaries, including retired CSB scientists.



Dr. Nitin Kulkarni participates in Review Meeting on Sustainable Land Management

On 1st September, 2024, Dr. Nitin Kulkarni, Director of ICFRE-RFRI, Jorhat, participated virtually in the Review Meeting of the Centre of Excellence – Sustainable Land Management. The meeting hosted at ICFRE-RFRI, Dehradun, was co-chaired by Shri Anjan Kumar Mohanty, Additional Director General of Forests, MoEF&CC, Government of India and Mission Director (Green India Mission), alongside Smt. Kanchan Devi, Director General of ICFRE.



Dr. Prosanta Hazarika speaks on ‘Biodiversity and its role in the Ecosystem’ at Cinnamara H.S. School

On September 6, 2024, Dr. Prosanta Hazarika, Chief Technical Officer of ICFRE-RFRI, Jorhat, Assam, participated as a resource person in a seminar on ‘Biodiversity and its role in the Ecosystem’, held at Cinnamara Higher Secondary School, Jorhat. During the event, he delivered an insightful presentation, emphasizing the importance and challenges of biodiversity in agriculture and forest ecosystems.



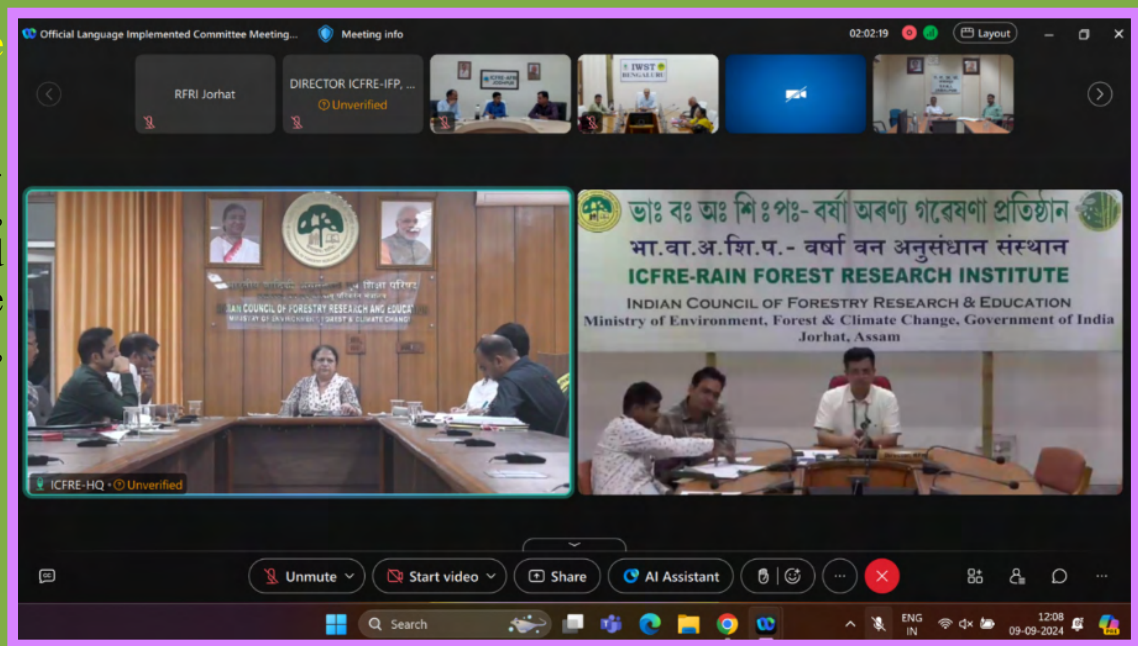


Dr. Dhruba J. Das and Manimoy Das attend Workshop on Climate-Driven Effects on Indian Forests

New Delhi, September 6-10, 2024: Dr. Dhruba J. Das, Scientist- F, and Manimoy Das, SPF, participated in a workshop on “Analysis of Data Related to the Study of Climate – Driven Effects on Indian Forests through Long-Term Monitoring”, held at Van Vigyan Bhawan, New Delhi. This workshop was part of the All India Coordinated Research Project-31, jointly executed by nine ICFRE Institutes and four external research organizations. The data collected from various plots were analysed using advanced statistical tools and universally accepted methodologies.

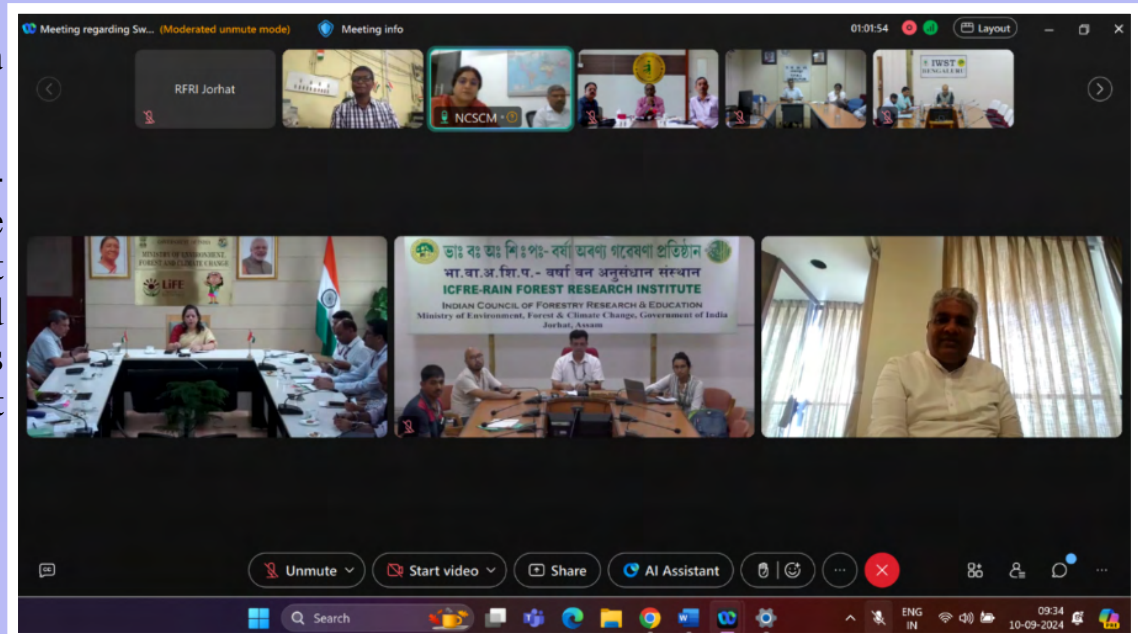
ICFRE-RFRI Officials attend Official Language Implementation Committee Meeting

Jorhat, September 09, 2024: Dr. Nitin Kulkarni, Director; Dr. Vishwanath Sharma, Hindi Officer; and Shri Shankar Shaw, Junior Translation Officer, ICFRE-RFRI, Jorhat, participated virtually in the Official Language Implementation Committee (OLIC) meeting. The session was chaired by Smt. Kanchan Devi, Director General, ICFRE, Dehradun.



Director, ICFRE-RFRI participates in Swachhata Hi Sewa Campaign Meeting

Jorhat, September 10, 2024: Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat, participated virtually in a meeting on the *Swachhata Hi Sewa (SHS)*, campaign under the Swachh Bharat Mission, organized by the Ministry of Environment, Forest, and Climate Change (MoEF&CC), Government of India, and was graced by the presence of Shri Bhupender Yadav, Cabinet Minister for MoEF&CC.





ICFRE-RFRI Scientists attend Afforestation Workshop in Meghalaya

Shillong, September 25, 2024: Dr. Satyam Bordoloi, Scientist – E; Dr. Karma G. Bhutia, Scientist -C; Dr. Vishwanath Sharma, Scientist C; Dr. Rakesh Prajapat, Scientist -B; and Ms. Mitali Mehta, Scientist -B, from ICFRE-RFRI, Jorhat, participated in a workshop on “*Development of Schedule of Rates for Afforestation within Meghalaya and Establishment of a Supply Chain to Ensure Assured Supply of Seeds and Other Plant Propagules of Superior Genetic Makeup.*” held at Sylvan House, Shillong, Meghalaya.



Dr. Protul Hazarika participates in World Pharmacy Day at Jorhat

Jorhat, September 25, 2024: Dr. Protul Hazarika, Chief Technical Officer of ICFRE-RFRI, Jorhat, graced the celebration of World Pharmacy Day as a special guest at Ayush Pharmacy Institute, Dakhinpat Satra Sotai, Jorhat. During the event, he inaugurated a wall magazine and delivered an insightful speech on the medicinal uses of common herbs.



Memorandum of Understandings (MoUs)

ICFRE-BRC, Aizawl signs MoU with Government Zirtiri Residential Science College, Durtlang

Aizawl, July 29, 2024: The ICFRE-Bamboo Research Centre (ICFRE-BRC), Aizawl, entered into a landmark partnership with the Government Zirtiri Residential Science College (GZRSC), Durtlang, through the signing of a Memorandum of Understanding (MoU) for mutual cooperation in research, education, and extension activities. The MoU was formalized in a ceremony where Dr. Nitin Kulkarni, Director, ICFRE-RFRI, Jorhat, signed on behalf of ICFRE-BRC, Aizawl, while Prof. B. Zoliana, Principal of GZRSC, represented the college. This collaboration aims to strengthen academic and research endeavours, focusing on innovative solutions and knowledge sharing to advance scientific research and educational outreach in the region.





ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



ICFRE-RFRI, Jorhat signs MoU with School of Pharmacy, The Assam Kaziranga University

Jorhat, August 2, 2024: The ICFRE-Rain Forest Research Institute (RFRI), Jorhat entered into a strategic partnership with the School of Pharmacy, The Assam Kaziranga University, through the signing of a Memorandum of Understanding (MoU) at its premises. The MoU was signed by Dr. Nitin Kulkarni, Director of ICFRE-RFRI, Jorhat and Dr. R. Jesudasan, Dean of the School of Pharmacy, Assam Kaziranga University, in the presence of prominent officials, including Shri R.K. Kalita, Scientist- F; Dr. S. Bordoloi, Scientist -E; Mrs. Madhuchandra Lahan; and Shri Dibyajyoti Sharma. The collaboration aims to foster joint collaborative work between the two institutions.



ACTIVITIES UNDER VAN VIGYAN KENDRAS (VVK)s

ICFRE-BRC conducts Apiculture training in Mizoram

Aizawl, September 20, 2024: The ICFRE-Bamboo Research Centre (ICFRE-BRC), Aizawl, organized a three-day apiculture training under VVK initiative from September 18-20, 2024, at Hualngohmun Village Council House. The program, focussed on enhancing livelihoods, engaged twenty farmers in active participation. Shri L. Lahmingmawia Pachuau, Additional Director, Department of Horticulture, graced the event. The training focussed on sustainable beekeeping practices to enhance income generation.





ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



ICFRE- RFRI and Digboi Forest Division Host Workshop on Forest- Based Livelihoods

Digboi, September 25-26, 2024: The ICFRE-Rain Forest Research Institute, Jorhat, in collaboration with the Digboi Forest Division, conducted a two-day training workshop on “Forest- Based Livelihood Opportunities” at the Digboi Arboretum. The event attended by 39 participants including farmers, JFMC members and forest staff, covered topics like bamboo cultivation, agarwood production, bamboo charcoal, agroforestry, mushroom farming and forest conservation. Key resource persons included Assistant Conservator of Forests, Jayant Das; Divisional Forest Officer, Shri Ranjith Ram; Forest Range Officer, Gobin Gogoi; Senior Scientist, Rajib Kumar Kalita; Chief Technical Officer, Dr. Runumi Devi Barthakur and Senior Technical Officer, Kumud Bora, among others. External experts included Rajib Rudra Tariang of Digboi College, Dr. Sarodee Barua and Priyanka Amonge of Krishi Vigyan Kendra, Tinisukia.



SPECIAL DAY CELEBRATIONS

ICFRE- RFRI Organizes “Ek Ped Maa Ke Naam” Campaign

Jorhat, July 5, 2024: ICFRE-RFRI, Jorhat, organized the campaign “*Ek Ped Maa Ke Naam*” at its premises. Around 140 participants, including scientists, staff, research fellows, and students, took part in the event. A group of 17 postgraduate students and four teachers from the Department of Horticulture, Assam Agricultural University, Jorhat, also joined the initiative. Dr. R.K. Borah, Group Coordinator (Research), initiated the plantation activity, while Shri R.K. Kalita, Head of Extension Division, conducted the campaign.





ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



ICFRE-RFRI Celebrates 78th Independence Day with Patriotic Spirit

Jorhat, August 15, 2024: The ICFRE- Rain Forest Research Institute, Jorhat, celebrated 78th Independence Day with enthusiasm and patriotic fervor. Dr. Nitin Kulkarni, Director of ICFRE-RFRI, hoisted the National Flag, accompanied by a parade and salute by the Institute's Home Guard Jawans. The event witnessed participation from scientists, staff, research fellows, students, and their families. In his address, Dr. Kulkarni paid tribute to freedom fighters, including unsung heroes of India's independence movement. He highlighted the institute's recent achievements and emphasized the need for implementing Mission LiFE's 75 actionable points, urging the younger generation to become "Pro-Planet People." The celebration featured patriotic poems and songs performed by participants, adding to the spirit of the occasion. Similar celebrations were held at ICFRE-Forest Research Centre for Bamboo & Rattan (FRC-BR), Aizawl, and ICFRE-Forest Research Centre for Livelihood Extension (FRC-LE), Agartala.



Similar celebrations were held at ICFRE-Forest Research Centre for Bamboo & Rattan (FRC-BR), Aizawl, and ICFRE-Forest Research Centre for Livelihood Extension (FRC-LE), Agartala.





ICFRE-RFRI NEWSLETTER



Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |

Matri Van inaugurated at ICFRE-RRI, Jorhat

Jorhat, September, 14: The Matri Van was inaugurated at the Deovan Campus of ICFRE-RFRI, Jorhat, as part of the “*Ek Ped Maa Ke Naam*” campaign launched by the Hon’ble Prime Minister of India on June 5, 2024. Shri Kamakhya Prasad Tasa, Hon’ble Member of Parliament, Assam, planted a sapling in his mother’s name during the event. The program, attended by around 200 participants, including scientists, staff, project fellows, and their families, saw the plantation of 350 saplings of 16 indigenous fruit species across 1250 sq.m. Dr. Nitin Kulkarni, director of the Institute, welcomed the chief guest and Shri R.K. Kalita, Head of the extension division, coordinated the event.



ICFRE-RFRI Celebrates World Bamboo Day with Skill Training

Jorhat, September 20, 2024: ICFRE-RFRI, Jorhat, celebrated World Bamboo Day on September 18, 2024 by launching three-day residential Skill Development Training from 18th to 20th September, 2024 on Bamboo Shoot Processing and Value Addition. Sponsored by the All India Coordinated Research Project on Bamboo, the training saw participation from 23 individuals across Assam. Dr. R.K. Borah inaugurated the program, and entrepreneur Shri Pranjal Kumar Goswami conducted the training sessions.





ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



ICFRE-RFRI Marks World Bamboo Day with Community Program in Ledo

On World Bamboo Day, ICFRE-RFRI organized a program under AICRP-02 to showcase the benefits of bamboo in coal mine restoration efforts. Around 30 villagers participated, celebrating the growth of bamboo saplings they had planted with a picnic under the shade they provided. The event, led by Shri Dinesh Kumar Meena, Scientist-D, highlighted the success of the restoration initiative.



ICFRE-RFRI, Jorhat promotes Swachhata Hi Sewa Through Awareness Program

September 20, 2024: Under the Swachhata Hi Sewa 2024 campaign, ICFR-RFRI, Jorhat organized an awareness program on September 20, 2024, aimed at sensitizing stakeholders about cleanliness and environmental responsibility. Ms. Tara Kumari, Scientist- B and Nodal Officer, led the initiative, interacting with the community members and service personnel to highlight the importance of the cause. The program saw active participation from around 50 attendees.



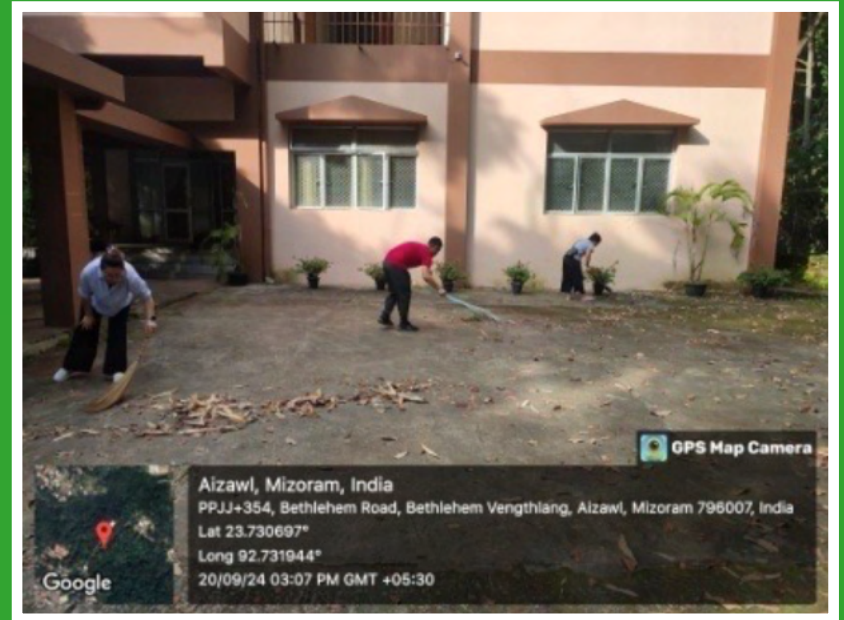
ICFRE-RFRI, Jorhat conducts cleanliness drive under "Swachhta Hi Seva campaign"

Jorhat, September 26, 2024: As part of the Swachhata Hi Seva campaign with the theme "Cleanliness Target Units" (Swachhata Lakshit Ekayi), ICFRE-RFRI, Jorhat organized a cleanliness drive focussed on cleaning laboratories, organizing files, and tidying the herbarium and pond within the campus, reinforcing the Institute's commitment to a clean and organized environment.



ICFRE-BRC, Aizawl, Conducts Swachhata Activities

Aizawl, September 21, 2024: ICFRE-Bamboo and Rattan Centre (BRC), Aizawl, observed Swachhata Hi Seva by taking the Swachhata Pledge on September 17, 2024. A campus-wide cleanliness drive was conducted on September 21, 2024, reinforcing the commitment to maintaining a clean and sustainable environment.



ACTIVITIES RELATED TO OFFICIAL LANGUAGE



Workshop on “Kanthasth 2.0” Held at CSIR- NEIST

Jorhat, September 17, 2024: CSIR- North Eastern Institute of Science and Technology (NEIST), Jorhat, in collaboration with NARAKAS Head Office, organized a one-day workshop on the Translation Tool “**Kanthasth 2.0**”. Mr. Shankar Shaw, Junior Translation Officer, ICFRE-RFRI, Jorhat, participated as the subject expert. Over 40 officers and staff participated in the program.

Quiz Competition on Official Language Held at CSIR-NEIST

Jorhat, September 19, 2024: CSIR- North Eastern Institute of Science and Technology (NEIST), Jorhat, in collaboration with NARAKAS Head Office, organized a Quiz Competition on Official Language. Mr. Shankar Shaw, Junior Translation Officer, ICFRE-RFRI, Jorhat, participated as the Guest Quiz Master. The event saw enthusiastic participation from 35 officers and employees.



Workshop on “Kanthasth 2.0” Held at Central Muga Eri Institute

Jorhat, September 28, 2024: The Central Muga Eri Research and Training Institute, Lahdoigarh, organized a one-day workshop on the translation tool “**Kanthasth 2.0**”. Shri Shankar Shaw, Junior Translation Officer, ICFRE-RFRI, Jorhat, participated as a subject expert. Over 30 officers and staff attended the session.

ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |

ICFRE-RFRI observes Hindi Week-2024

Jorhat, September 20, 2024: ICFRE-RFRI, Jorhat, organized Hindi Week-2024 from September 14-20, 2024, under the leadership of Director Dr. Nitin Kulkarni. Various competitions were held to promote Hindi, with enthusiastic participation from staff. The event concluded on September 24, 2024.



ICFRE-RFRI, Jorhat secures Top Honor for Hindi Implementation

Jorhat, September 30, 2024: ICFRE-RFRI, Jorhat has been awarded the first prize among Category “C” region institutes for its exemplary performance in implementing Hindi during the financial year 2023-24. The recognition was conferred by the Indian Council of Forestry Research and Education (ICFRE), Dehradun. The announcement was made during the closing ceremony of Hindi Fortnight-2024 at ICFRE, Dehradun. This achievement highlights ICFRE-RFRI’s commitment to promoting the use of Hindi in its official work.



VISIT OF GUESTS

Phoenix Foundation Team Visits ICFRE-RFRI, Jorhat

Jorhat, Aug 28: Shri Pasha Patel, Chairman of Phoenix Foundation, Maharashtra, led a delegation to ICFRE-RFRI, Jorhat to observe its latest bamboo research. The visitors appreciated the institute’s efforts and expressed interest in future collaborations.





ICFRE-RFRI NEWSLETTER



Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |

AWARENESS & DEMONSTRATION PROGRAMMES

Students from Assam Agricultural University visits ICFRE-RFRI, Jorhat

Jorhat, July 2, 2024: 153 second-year B.Sc. (Agriculture) students from Assam Agricultural University, Jorhat, visited ICFRE-RFRI, Jorhat as part of their integrated Farming System course on July 2nd and 3rd, 2024. Guided by faculty members Dr. Jogesh Goswami, Dr. Anjan Krishna Sarma and Dr. Lipika Talukdar, the students were provided an overview of the Institute's R&D activities by Dr. R.K. Borah, Scientist-G and Shri R.K. Kalita, Scientist-F.



Horticulture Students from AAU visits ICFRE-RFRI, Jorhat

Jorhat, July 05, 2024: Seventeen postgraduate horticulture students from Assam Agricultural University, Jorhat, guided by faculty members Dr. Preety Hatiboruah, Dr. Ira Sarma, Dr. Sangita Mahanta, and Dr. Binita Hazarika, visited ICFRE-RFRI, Jorhat. Dr. R.K. Borah, Group Coordinator (Research) welcomed them and highlighted the institute's research activities. Shri R.K. Kalita, Head, Extension Division, conducted a session on forest-based entrepreneurship development.





ICFRE-RFRI NEWSLETTER



Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |

TATA Trust Members visit ICFRE-RFRI, Jorhat

Jorhat, July 30, 2024: Two members from TATA Trusts, Guwahati, visited the ICFRE-RFRI, Jorhat aimed to explore collaborative opportunities and learn about the Institute's ongoing research and developmental activities.

Students and Families from Amguri Visit ICFRE-RFRI, Jorhat

Jorhat, July 31, 2024: Ten students from Amguri, Sivasagar District, along with their family members, visited the ICFRE-RFRI, Jorhat. The visit provided an opportunity to learn about the Institute's research and activities in forestry and environmental conservation.

Students from Pasighat Visit ICFRE-RFRI, Jorhat

Jorhat, August 12, 2024: 15 third-year B.Sc. students from the College of Horticulture & Forestry, under Central Agricultural University, Pasighat, Arunachal Pradesh, accompanied by two faculty members, visited ICFRE-RFRI, Jorhat. The visit aimed to enhance their understanding of forestry research and development activities.





ICFRE-RFRI NEWSLETTER



Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |

Students from National Telegraph Girls' High School, visits ICFRE-RFRI

Jorhat, August 16, 2024: A group of 42 students accompanied by three teachers from National Telegraph Girls' High School, Jorhat visited ICFRE-RFRI, Jorhat. The visit provided an opportunity to learn about the Institute's forestry research and activities.



Bosco institute Students Visit ICFRE-RFRI, Jorhat

Jorhat, August 22, 2024: A group of 19 Master of Social Work (MSW) students, accompanied by two faculty members from Bosco Institute, Jorhat, visited ICFRE-RFRI, Jorhat. The visit aimed to explore the Institute's initiatives in forestry and environmental research.

HUMAN RESOURCE NEWS

Retirement: Sri Pradip Hazarika, STO, voluntarily retired on 30th September, 2024



RECENT PUBLICATIONS

PUBLICATIONS

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Prajapati, A., Gupta, H., Pandey, R., **Behera, S.** and Choudhary, S. (2024). Multifunctional Agroforestry, Elite Publishing House, New Delhi, ISBN: 978-93-5899-417-9.

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Darshan, K., Harshitha, K.N., Shreedeevasena, S., Tailor, A., Kumar, B.T., Nigam, S. and **Kulkarni, N.** (2023). Role of melatonin in management of stress tolerance of forest tree species. In: *Melatonin in Plants: A Pleiotropic Molecule for Abiotic Stresses and Pathogen Infection* (Kumar Rainer, Altaf Muhammad Ahsan, Lal Milan Kumar and Tiwari Rahul Kumar, Eds.), Springer, 177-193pp.

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Bordoloi, S., Ibrahim, Md., Bhutiya, K.G., Borah, R.K. & Kulkarni, N. (2024). *A breeding plan of Aquilaria malaccensis Lam.* In: *Breeding Plans for Important Tree Species of India* (Shivakumar, V & Nicodemus, A., Eds.), ICFRE, 165-182pp.



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Aviral, A., Darshan, K., Kumar, S., Prajapati, C., Nigam, S., and Kulkarni, N. (2023). Evaluation of economical mass multiplication of *Trichoderma*, a biocontrol fungal agent. *Indian Journal of Tropical Biodiversity, 31 (1): 42-50.*

Sukumaran, A., Khanduri, V. P., Gairola, S. and Sharma, C. M. (2024). Floral traits and functional role of whorls in pollinator attraction of *Magnolia grandiflora* L. *Folia Oecologica, 51(2):263-274.*

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POPULAR ARTICLES

मनीष कुमार बिजय, नीलू सिंह और नितिन कुलकर्णी (2023). बीज जीन बैंक स्थापना के माध्यम से मध्य भारत वन अनुवंशिक संसाधनों का संरक्षण। मध्य प्रदेश बनांशल संदेश, विशेष संस्कारण, 26:111-112 I

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ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



ICFRE-RFRI IN NEWS

Eastern Chronicle August 30, 2024

ICFRE-RFRI, Jorhat hosts 5th regional conference on forestry innovations for NER livelihoods

ICFRE-Rain Forest Research Institute, Jorhat (Assam) organized a three-day training programme for Personnel of Other Services of North Eastern States' from 02-04 September, 2024. A total of eighteen participants from different departments of North Eastern States such as Agriculture, Rural Development, Education, Judiciary etc. attended it. The training programme, sponsored by the Ministry of Environment, Forest and Climate Change, Government of India, was inaugurated by Dr. Nitin Kulkarni, Director of the Institute. Dr. Nitin Kulkarni, Director of the Institute, delivered his inaugural speech. Dr. Nitin Kulkarni, Director of the Institute, spoke about the importance of forestry in livelihood development. He said that God has gifted enormous natural resources in NER. People have to judiciously utilize these resources for their development. Training Coordinator, Rajib Kumar Kalita spoke about the detailed program content of the training programme. During the training, deliberations will be held on bamboo, agarwood, sericulture, lac cultivation, agroforestry etc. As a part of the training, a field trip will be conducted to visit Biodiversity and Orchid Park, Kohora, Golaghat (Assam). The trainees will also visit participants and development activities of the Institute. Certificates will be distributed to the participants at the end of the training program.

Eastern Chronicle August 22, 2023

ICFRE-RFRI, Jorhat conducts nature connect programme for students of Kendriya Vidyalaya

ICFRE-Rain Forest Research Institute, Jorhat (Assam) conducted a nature connect programme for students of Kendriya Vidyalaya, Jorhat. The programme was inaugurated by Dr. Nitin Kulkarni, Director of the Institute. The programme included various activities such as tree planting, nature walk, and environmental education. The students were encouraged to connect with nature and understand the importance of environmental conservation. The programme was a success and the students showed great interest in the activities.

The Assam Tribune August 12, 2024

Skill development training for farmers

ICFRE-Rain Forest Research Institute, Jorhat (Assam) organized a skill development training programme for farmers. The programme was inaugurated by Dr. Nitin Kulkarni, Director of the Institute. The training focused on various aspects of agriculture, including soil management, pest control, and crop production. The farmers were provided with practical knowledge and skills to improve their agricultural practices. The programme was a success and the farmers showed great interest in the training.

The Assam Tribune August 28, 2024

Nature-connect event held for students by ICFRE-RFRI

ICFRE-Rain Forest Research Institute, Jorhat (Assam) conducted a nature-connect event for students. The event was inaugurated by Dr. Nitin Kulkarni, Director of the Institute. The event included various activities such as tree planting, nature walk, and environmental education. The students were encouraged to connect with nature and understand the importance of environmental conservation. The event was a success and the students showed great interest in the activities.

Eastern Chronicle September 03, 2024

ICFRE-RFRI, Jorhat conducts training program on forest based livelihood issues

ICFRE-Rain Forest Research Institute, Jorhat (Assam) organized a training programme on forest based livelihood issues. The programme was inaugurated by Dr. Nitin Kulkarni, Director of the Institute. The training focused on various aspects of forest-based livelihoods, including agroforestry, sericulture, and lac cultivation. The participants were provided with practical knowledge and skills to improve their livelihoods. The programme was a success and the participants showed great interest in the training.

নিয়মীয়া বাৰ্তা August 31, 2024

বৰ্ষাৰণ্য গৱেষণা প্ৰতিষ্ঠানত গৱেষণা সন্মিলন

ICFRE-Rain Forest Research Institute, Jorhat (Assam) organized a research symposium. The symposium was inaugurated by Dr. Nitin Kulkarni, Director of the Institute. The symposium focused on research in agroforestry, sericulture, and lac cultivation. The participants presented their research papers and discussed the findings. The symposium was a success and the participants showed great interest in the research.

Prag News August 22, 2024

বৰ্ষাৰণ্য গৱেষণা প্ৰতিষ্ঠানত অত্ৰ-ছত্ৰীৰ প্ৰশিক্ষণ শিবিৰ

ICFRE-Rain Forest Research Institute, Jorhat (Assam) organized a training camp for women. The camp was inaugurated by Dr. Nitin Kulkarni, Director of the Institute. The camp focused on skill development in agriculture, including soil management, pest control, and crop production. The women were provided with practical knowledge and skills to improve their agricultural practices. The camp was a success and the women showed great interest in the training.



ICFRE-RFRI NEWSLETTER

Vol-1 Issue-4, July-September, 2024 | October, 2024 issue |



ICFRE-RFRI LIBRARY
VIRTUAL NEWSPAPER CLIPPING SERVICE
Dated: September 12, 2024

Eastern Chronicle
ICFRE-RFRI, Jorhat conducts training program on forest based livelihood issues

From The Eastern Chronicle
ICFRE-RFRI in News

ICFRE-RFRI LIBRARY
VIRTUAL NEWSPAPER CLIPPING SERVICE
Dated: September 13, 2024

দৈনিক জনমভূমি
যোৰহাটৰ বৰ্ষাৰণ্য প্ৰতিষ্ঠানত বাঁহ গাঁজৰ সম্পৰ্কীয় প্ৰশিক্ষণৰ আয়োজন

From The Dainik Janambhumi
ICFRE-RFRI in News

ICFRE-RFRI LIBRARY
VIRTUAL NEWSPAPER CLIPPING SERVICE
Dated: September 09, 2024

The Assam Tribune
Training programme

From The Assam Tribune
ICFRE-RFRI in News

ICFRE-RFRI LIBRARY
VIRTUAL NEWSPAPER CLIPPING SERVICE
September 16, 2024

দৈনন্দিন বার্তা
যোৰহাটৰ বৰ্ষাৰণ্য প্ৰতিষ্ঠানত সালেদ তাৰুৰ 'মাড়ু বন' উদ্বোধন

FROM THE DAINANDIN BARTA
ICFRE-RFRI IN NEWS

ICFRE-RFRI LIBRARY
VIRTUAL NEWSPAPER CLIPPING SERVICE
September 20, 2024

অগ্রদূত
যোৰহাটৰ বৰ্ষাৰণ্য প্ৰতিষ্ঠানত বিষ্ণু বাঁহ দিবস উদযাপন

FROM THE DAINIK AGRADOOT
ICFRE-RFRI IN NEWS

দৈনিক জনমভূমি
বৰ্ষাৰণ্য গৱেষণা প্ৰতিষ্ঠানত ছাত্ৰ-ছাত্ৰীৰ প্ৰশিক্ষণ শিবিৰ

August 22, 2024
ICFRE-RFRI in News

ICFRE-RFRI LIBRARY
VIRTUAL NEWSPAPER CLIPPING SERVICE
September 26, 2024

দৈনিক জনমভূমি
বৰ্ষাৰণ্য প্ৰতিষ্ঠানৰ প্ৰশিক্ষণ কৰ্মশালা

FROM THE DAINIK JANAMBHUMI
ICFRE-RFRI IN NEWS

দৈনিক অগ্রদূত
বৰ্ষাৰণ্য গৱেষণা প্ৰতিষ্ঠানত উত্তৰ-পূৰ্বাঞ্চলৰ বনৰ লগত জড়িত 'আজীৰিক' প্ৰশিক্ষণ

ICFRE-RFRI IN NEWS

অসমীয়া প্ৰতিদিন
যোৰহাটৰ বৰ্ষাৰণ্য গৱেষণা প্ৰতিষ্ঠান কেন্দ্ৰীয় বিদ্যালয়ৰ ছাত্ৰ-ছাত্ৰীৰ বিশেষ প্ৰশিক্ষণ শিবিৰ আৰম্ভ

August 23, 2024
ICFRE-RFRI in News

দৈনিক অগ্রদূত
বৰ্ষাৰণ্য গৱেষণা প্ৰতিষ্ঠানৰ বন মহোৎসৱ উদযাপন

July 07, 2023
ICFRE-RFRI in News



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