



Indian Society of Agroforestry

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Krishivaniki Vihar, Gwalior Road, Jhansi 284003, Uttar Pradesh

Proceedings of the Consultative Workshop on Weed Management in Agroforestry Systems held on 27th February 2025 at ICAR-CAFRI, Jhansi

The Consultative Workshop on Weed Management in Agroforestry Systems was successfully organized by the Indian Society of Agroforestry (ISAF) and the Indian Society of Weed Science (ISWS) on 27th February 2025 at the ICAR-Central Agroforestry Research Institute (CAFRI), Jhansi. The workshop received technical support from ICAR-CAFRI, Jhansi, and ICAR-Directorate of Weed Research (DWR), Jabalpur. The event brought together researchers to discuss the challenges and strategies for effective weed management in agroforestry systems.

The workshop commenced with the ICAR Song/CAFRI Song, followed by a welcome address by Dr. A.K. Handa, Secretary, and ISAF, who highlighted the significance of the workshop in addressing the growing concerns related to weed management in agroforestry systems.

Dr. A. Arunachalam, President, ISAF & Director, ICAR-CAFRI, Jhansi, emphasized the role of agroforestry in sustainable agriculture and the challenges posed by weed infestation. He stressed the need for integrated weed management strategies tailored for agroforestry systems.

Dr. J.S. Mishra, President, ISWS & Director, ICAR-DWR, Jabalpur, delivered his address, discussing the importance of interdisciplinary collaboration for advancing research and developing effective weed control measures in agroforestry systems.

During the technical session first presentation on “Weeds in Agroforestry Systems: Issues and Impacts” was delivered by Dr. Asha Ram, Sr. Scientist (Agronomy), ICAR-CAFRI, Jhansi. He elaborated on the major weed species affecting agroforestry systems, their competitive effects on tree-crop interactions, and their economic and ecological impacts. He also highlighted the need for site-specific weed management practices that take into account the diverse agro-climatic conditions.

The second presentation on “Weed Management in Agroforestry Systems: Opportunities and Strategies” was delivered by Dr. V.K. Choudhary, Principal Scientist (Agronomy), ICAR-DWR, Jabalpur. Dr. Choudhary provided an in-depth analysis of various weed management approaches, including mechanical, chemical, cultural, and biological methods. He also discussed innovative strategies such as allelopathic interactions, mulching, and the use of cover crops for weed suppression. The presentation highlighted the importance of integrating different weed control measures to develop sustainable and cost-effective solutions.

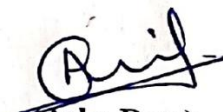
In the afternoon session, all participants visited the experimental farm of ICAR-CAFRI to observe weed-related challenges in agroforestry systems. As part of the visit, biocontrol agents were introduced to manage invasive weeds, including *Zygogramma bicolorata* for *Parthenium*, *Cyrtobagous salviniae* weevil for *Salvinia*, and *Neochetina bruchi* and *Neochetina eichhorniae* for *water hyacinth*.

Following the field visit, an open discussion session was conducted, providing participants with a platform to share their experiences, challenges, and recommendations on weed management in agroforestry systems. The session facilitated insightful deliberations, with key points including:

- Need for a systematic study on the biological cycle of weeds in agroforestry systems to develop effective management strategies.
- Drafting of a policy paper on weed management in agroforestry systems jointly by ISAF and ISWS to guide future research and implementation.
- Integration of traditional knowledge with modern weed management practices to enhance sustainability and efficiency.
- Strengthening research collaboration between ICAR-CAFRI, Jhansi, and ICAR-DWR, Jabalpur, to advance weed management strategies in agroforestry.
- Exploring joint initiatives between selected centers of AICRP on Agroforestry and AICRP on Weed Management to develop holistic solutions for weed control.

A technical bulletin entitled “Innovative extension initiatives for agroforestry in Bundelkhand” was also released on the occasion. The workshop concluded with the felicitation of the Distinguished Chair, recognizing the contributions of experts in agroforestry and weed science.

Dr. A.K. Handa delivered the vote of thanks, expressing gratitude to the organizers, speakers, and participants for their active engagement. He emphasized the importance of continued collaboration and research in addressing weed management challenges in agroforestry systems. The workshop successfully fostered knowledge exchange and set the stage for future research and policy initiatives in weed management for agroforestry systems.



(Asha Ram)

Workshop Coordinator



President, ISAF

Encl:

1. Programme schedule
2. List of participants

Consultative Workshop on Weed Management in Agroforestry Systems

27th February 2025

Venue: Committee Room, ICAR-CAFRI, Jhansi

Organizers: Indian Society of Agroforestry & Indian Society of Weed Science

Technical Support: ICAR-Central Agroforestry Research Institute, Jhansi

ICAR-Directorate of Weed Research, Jabalpur

Programme Schedule

10.00-10.10 AM		ICAR Song/CAFRI Song
10.10-10.20 AM	Welcome	Dr. A.K. Handa Secretary, ISAF
10.20- 10.50 AM	Address by President, ISAF	Dr. A. Arunachalam
10.50-11.20 AM	Address by President, ISWS	Dr. J.S. Mishra
	Tea Break	
	Technical Session	
11.35 AM- 12.00 Noon	Weeds in Agroforestry Systems: Issues and Impacts	Dr. Asha Ram Sr. Scientist (Agronomy) ICAR-CAFRI, Jhansi
12.00 Noon- 1.00 PM	Weed Management in Agroforestry Systems: Opportunities and Strategies	Dr. V.K. Choudhary Pr. Scientist (Agronomy) ICAR-DWR, Jabalpur
1.00 PM -2.00 PM	Lunch Break	
2.15 PM -3.30 PM	Field visit	
3.30- 4.00 PM	Open discussion	
4.00-4.15	Felicitation of Distinguished Chair	
4.15 PM – 4.30 PM	Concluding Remarks and Vote of Thanks	

Coordinators:

Dr. Asha Ram

Dr. Naresh Kumar



List of Participants

S.no.	Name and Designation
1.	Dr. J.S. Mishra, President, ISWS & Director, ICAR-DWR, Jabalpur
2.	Dr. A. Arunachalam President, ISAF & Director, ICAR-CAFRI, Jhansi
3.	Dr. V.K. Choudhary Pr. Scientist, ICAR-DWR, Jabalpur
4.	Dr. A.K. Handa
5.	Dr. Rajendra Prasad
6.	Dr. Badre Alam
7.	Dr. R.P. Dwivedi
8.	Dr. Asha Ram
9.	Dr. Sushil Kumar
10.	DR. Sovan Debnath
11.	Dr. H. Anuragi
12.	Dr. Ashok Yadav
13.	Dr. Sukumar Taria
14.	Dr. Bijoy Chanda
15.	Dr. Suresh Ramanan S.
16.	Mrs. Syamili
17.	Dr. Venkatesh YN