

**Tentative Programme**  
**ISWS Biennial Conference 2024**

*"Climate-smart Weed Management for Global Food Security"*

**28-30 November, 2024, Swatantrata Bhavan, Banaras Hindu University, Varanasi, India**

**Registration: Venue** – Reception, Swatantrata Bhavan, BHU, Varanasi  
 Wednesday, November 27, 2024; Time: 15:00-19:00  
 Thursday, November 28, 2024; Time: 8:00-9:00

**Thursday, November 28, 2024**

Venue: Main Hall	
9:00-11:00	<b>Inaugural session</b> Welcome address : Prof. S.V.S. Raju, Director, IAS, BHU, Varanasi ISWS President's address : Dr. J.S. Mishra, President, ISWS, Jabalpur Address by Guest of Honour : Dr. S.K. Chaudhari, DDG (NRM), ICAR, New Delhi Release of publications : ISWS Award announcement : Dr. R.P. Dubey, Secretary, ISWS, Jabalpur Address by Chief Guest : Dr. Himanshu Pathak, Secretary, DARE & DG, ICAR, New Delhi Presidential remarks : Dr. Panjab Singh, Chancellor, RLBCAU, Jhansi Vote of thanks : Prof. U.P. Singh, Dean, IAS, BHU, Varanasi
11:00-11:30	<b>High Tea</b>
11:30-13:00	<b>KEYNOTE AND PLENARY SESSION</b>  <b>Chairman: Dr. Raghavan Charudattan, USA</b> <b>Co-chairman: Dr. M.S. Bhullar, Ludhiana</b> <b>Rapporteurs: Dr. T. Ramprakash and Dr. P.K. Mukherjee</b> Keynote Lecture 11:30-12:10 <i>The Future of Weed Science</i> <b>Dr. Robert L. Zimdahl, USA</b> Plenary lecture 12:10-12:50 <i>Promoting the Utilization of Weeds – A Way Forward</i> <b>Dr. Nimal Chandrasena, Australia</b> 12:50-13:00 Discussion and concluding remarks by <i>the Chair and Co-chair</i>
13:00- 13:45	<b>Lunch/Posters</b>
TECHNICAL SESSIONS (Concurrent Sessions in Main Hall, Hall 1 and Hall 2)	
Venue: Main Hall	
<b>Date: 28/11/2024</b>	
14:00 -17:00	<b>TECHNICAL SESSION 1: Climate-smart weed management and herbicide resistance and its management</b>  <b>Chair: Dr. L.S. Brar, Ludhiana</b> <b>Co-Chair Dr. V.K. Singh, Hyderabad</b> <b>Rapporteurs: Dr. K.N. Geetha and Dr. C.R. Chethan</b>  14:00-14:20 <i>Global herbicide resistance challenge: Emphasizing the need for an integrated weed management framework</i> <b>Dr. Prashant Jha <span style="background-color: #d3d3d3; padding: 2px;">Lead</span></b> 14:20-14:40 <i>Impact of global warming on herbicide efficacy and weed control for sustainable food production</i> <b>Dr. Mithila Jugulam <span style="background-color: #d3d3d3; padding: 2px;">Lead</span></b> 14:40-15:00 <i>A new dimension on cost-effective precision weed management strategies in light of climate change</i> <b>Dr. C.R. Chinnamuthu <span style="background-color: #d3d3d3; padding: 2px;">Lead</span></b> <i>Weed management in herbicide-tolerant rice under dry direct-seeded rice with special reference to weedy rice</i> <b>Dr. V.K. Choudhary</b>

	<p><i>Understanding temporal emergence and competition between weeds and crops for sustainable weed management</i> <b>Dr. Ram Kumar Singh</b></p> <p><i>Direct-seeded rice as an alternate establishment method of rice: Lessons learnt from two decades of studies in Haryana on weed dynamics to herbicide-tolerant rice</i> <b>Dr. Dharam Bir Yadav</b></p> <p><i>Effect of planting pattern and intercropping systems on weed dynamics and partitioning of nutrients among weeds and pigeonpea</i> <b>Dr. Indu Bhushan Pandey</b></p> <p><i>Manoeuvring tolerant cultivars for weed management in direct-seeded rice</i> <b>Dr. Malay Kumar Bhowmick</b></p> <p><i>Modelling geographic distribution of Echinochloa colona and Cyperus rotundus under current and future climate scenarios</i> <b>Dr. Yogita Gharde</b></p> <p><i>Conservation tillage and in-situ rice residue driven weed dynamics, soil temperature fluctuation, nutrient status and wheat productivity under aberrant climate nexus in north-western Indo-Gangetic Plain</i> <b>Dr. Ankur Chaudhary</b></p> <p><i>Exploring the molecular basis of imazethapyr resistance in Commelina spp. and Echinochloa colona</i> <b>Dr. Deepak Pawar</b></p> <p><i>Weed management and yield improvement of greengram through climate resilience management practices</i> <b>Dr. K.S. Shashidhar</b></p> <p><i>Climate-smart weed management on pearl millet under custard apple-based agri-horticulture system in Eastern Plain Zone</i> <b>Dr. Pratik Sanodiya</b></p> <p><i>Research evidences of climate-smart weed management in root and tuber crops</i> <b>Dr. Namdev Mhaskar</b></p> <p><i>Optimizing weed management and irrigation regime on spring maize performance amidst climate Variability under Tarai region</i> <b>Miss. Munny Chinyo</b></p> <p><i>Performance of different Phalaris minor Retz. biotypes growing with and without wheat in relation to different herbicides</i> <b>Mr. Sangam</b></p> <p>Discussion and concluding remarks by the Chair and Co-chair</p>
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**Venue: Hall 1** **Date: 28/11/2024**

14:00 -17:00	<p><b>TECHNICAL SESSION 2: Recent approaches for integrated weed management in rice and rice-based cropping systems</b></p> <p><b>Chair: Dr. A.N. Rao, Hyderabad</b>  <b>Co-Chairs: Dr. B.P. Bhatt, New Delhi</b>  <b>Rapporteurs: Dr. Vimalkumar J. Patel and Dr. J.K. Soni</b></p>
14:00-14:20	<p><i>Closing yield and profitability gaps caused by weeds in smallholder rice production</i> <b>Dr. Virendra Kumar</b> <span style="background-color: red; color: white; padding: 2px;">Lead</span></p>
14:20-14:32	<p><i>Integration of pre-emergence herbicide with imazethapyr for sustainable weed control in HT rice</i> <b>Dr. Simerjeet Kaur</b> <span style="background-color: blue; color: white; padding: 2px;">Invited Paper</span></p>
14:32-15:44	<p><i>Weed dynamics in deep water rice in varying land situations along the Brahmaputra River ecotone zone in erstwhile Sibsagar district, Assam</i> <b>Dr. Iswar Chandra Barua</b> <span style="background-color: blue; color: white; padding: 2px;">Invited Paper</span></p> <p><i>A novel herbicide delivery method to increase efficacy and weed management in transplanted rice ecosystem</i> <b>Prof. Murali Arthanari Palanisamy</b></p> <p><i>Does weed diversity influence yield losses in dry direct-seeded rice?</i> <b>Prof. Buddhadeb Duary</b></p>

	<p><i>Weed management in rice-wheat-sesbania cropping system under conservation agriculture</i> <b>Dr. Tej Pratap</b></p> <p><i>Crop establishment and weed management techniques for enhancing productivity of rice fallow greengram</i> <b>Dr. Srinivasulu Katragadda</b></p> <p><i>Bio-efficacy evaluation of new herbicide molecule penoxsulam 9% + pyrazosulfuron-ethyl 6% WDG against weed complex in transplanted rice</i> <b>Dr. N. Ananda</b></p> <p><i>Weed management in rice: A need for sustainable food security in Chhattisgarh</i> <b>Dr. Veenapani Dubey</b></p> <p><i>Effects of tillage and herbicide on weed interference and crop yield in a direct-seeded rice-wheat-greengram system in eastern Indo-Gangetic Plains</i> <b>Dr. Sonaka Ghosh</b></p> <p><i>Assessment of weed diversity and critical crop-weed competition impact on upland rice using spatial techniques in the mid-hills of Meghalaya</i> <b>Dr. N. Premaradhya</b></p> <p><i>Integrated weed management in semi-dry rice</i> <b>Dr. Y. Sreeja</b></p> <p><i>Impact of crop establishment methods, nutrient levels and weed management practices on weed suppression and yield optimization in hybrid rice</i> <b>Dr. Abhinandan Singh</b></p> <p><i>Geospatial analysis of impact of weed management practices in rice crop of Chhattisgarh plains</i> <b>Dr. Manju Tiwari</b></p> <p><i>Weed flora and their diversity under the non-chemical weed management in direct seeded rice</i> <b>Dr. Mona Nagargade</b></p> <p><i>Crop establishment methods and weed management practices influence weed dynamics, system productivity and profitability in rice-chickpea-greengram cropping system</i> <b>Dr. Muni Pratap Sahu</b></p> <p><i>Comparative study of weed control methods on weed dynamics and productivity in transplanted rice in Eastern Uttar Pradesh</i> <b>Mr. Abhishek Mishra</b></p> <p><i>Weed management through conservation agriculture practices under rice-wheat system</i> <b>Miss. Kajal Verma</b></p> <p><i>Evaluation of the bio-efficacy of bispyribac-sodium 9.1% + metsulfuron-methyl 1.2% + chlorimuron-ethyl 1.2% SC w/v against weeds in transplanted paddy</i> <b>Mr. Sameer Shrivastava</b></p> <p><i>Evaluation of weed competitive ability of rice cultivars in dry direct-seeded rice under changing climate</i> <b>Miss. Anamika Pandey</b></p> <p><i>Effect of integrated weed management practices in transplanted rice</i> <b>Miss. Mausmi Rastogi</b></p> <p><i>A Comprehensive study to weed control practices for various growth attributes and yield of direct-seeded rice</i> <b>Miss. Ruchi Rajpoot</b></p> <p><i>Can remotely piloted aerial application systems do a broadcast aerial herbicide application in rice cultivation?</i> <b>Mr. Reuben Senyo Kudiabor</b></p> <p>Discussion and concluding remarks by the Chair and Co-chair</p>
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Venue: Hall 2

Date: 28/11/2024

14:00 -17:00

**TECHNICAL SESSION 3: Current trends in integrated weed management in pulses and oilseeds**

**Chair:** Dr. V. Pratap Singh, Varanasi  
**Co-Chair:** Dr. K. Sammi Reddy, Baramati  
**Rapporteurs:** Dr. Puja Ray and Dr. Dasari Sreekanth

14:00-14:20	<i>Climate-smart weed management in pulse crops for sustainable productivity and profitability</i> <b>Dr. Narendra Kumar</b> <span style="background-color: #f08080; padding: 2px;">Lead</span>
14:20-14:32	<i>Weed management in chickpea through broad-spectrum post-emergence herbicides</i> <b>Dr. A.S. Rao</b> <span style="background-color: #add8e6; padding: 2px;">Invited Paper</span>
14:32-15:44	<i>Integrated weed management framework for oilseeds: A path towards self sufficiency</i> <b>Dr. Kulasekaran Ramesh</b> <span style="background-color: #add8e6; padding: 2px;">Invited Paper</span>
	<i>Integrated weed management in soybean with new generation ready mix pre-emergence herbicides</i> <b>Dr. B.T. Nadagouda</b>
	<i>Weed management in sesame using pre- and post-emergence herbicides</i> <b>Dr. Jagadeesh Hosmath</b>
	<i>Chemical weed management in blackgram for enhancing productivity</i> <b>Dr. Sreenivasulu Sakamuri</b>
	<i>Efficacy of herbicides against diverse weed flora of Indian mustard</i> <b>Dr. Dinesh Sah</b>
	<i>Integrated weed management in Indian mustard under NEH region</i> <b>Dr. Rajvir Sharma</b>
	<i>Impact of post-emergence herbicides on weed management, yield performance and economic viability in mungbean cultivation</i> <b>Dr. M. L. Mehriya</b>
	<i>Integrated weed management in chickpea under irrigated conditions</i> <b>Mr. D.D. Chaudhari</b>
	<i>Improving the productivity and weed control in groundnut through ready-mix post-emergence herbicides</i> <b>Dr. B.S. Yenagi</b>
	<i>Yield maximization in soybean through use of ready-mix post-emergence herbicides in rainy season</i> <b>Dr. S.S. Nooli</b>
	<i>Efficient weed management in chickpea through new-generation herbicides</i> <b>Dr. Lokesh Jain</b>
	<i>Deciphering the post-emergence herbicide tolerance in major pulse crops based on phytotoxic, morpho-physiological and yield variability</i> <b>Dr. Chaitanya Prasad Nath</b>
	<i>Efficient weed management in lentil through new-generation herbicides</i> <b>Dr. Anju Khangarot</b>
	<i>Tillage and weed management practices influence weed prevalence, system crop and energy productivity, and environmental footprints of maize-wheat-greengram</i> <b>Mr. Narendra Kumar</b>
	<i>Effect of dose and time of imazethapyr on weed and yield in summer season blackgram</i> <b>Mr. Lalchand Kumawat</b>
	<i>Impact of nutrient and weed management practices on chickpea productivity and weed dynamics</i> <b>Mr. Mohammad Vaheed</b>
	<i>Efficacy of pre- and post-emergence herbicides for chemical weed management in sesame</i> <b>Miss. Uma Bermaiya</b>
	<i>Bio-efficacy of post-emergent herbicides in common bean under rainfed condition of Kashmir Valley</i> <b>Miss. Aroosa Khatoon</b>
	<i>Effect of post-emergence herbicides combined with guar gum polymer on weed dynamics, growth, productivity and economic performance of mungbean</i> <b>Miss. Fuhar Sharma</b>
	<i>Integrated weed management for chocolate weed (<i>Melochia corcholia</i> L.) in sesame</i> <b>Mr. Dhanu Unnikrishnan</b>
	<i>Bio-efficacy of post-emergence herbicides against weeds in soybean</i> <b>Mr. Alok Sinha</b>
	Discussion and concluding remarks by the Chair and Co-chair
17:00-17:15	<b>POSTERS/Tea</b>
<b>17:15 -18:15</b>	<b>General Body Meeting of ISWS</b>
	<b>Date: 28/11/2024</b>

Plenary lecture - Presentations: (timing 40 minutes)

Lead - Presentations: (timing 20 minutes)

Invited Paper - Presentations: (timing 12 minutes)

Oral - Presentations: (timing 7 minutes)

18.15-19.30	<b>Cultural event</b>
19.30-22:00	<b>Dinner</b> <span style="float: right;"><b>Date: 28/11/2024</b></span>
<b>Friday, November 29, 2024</b>	
<b>Venue: Main Hall</b> <span style="float: right;"><b>Date: 29/11/2024</b></span>	
9:30-11:00	<b>PLENARY SESSION-2</b>  <b>Chair: Dr. N.T. Yaduraju, Mysore</b> <b>Co-Chair: Dr. Muthukumar Bhagawathianan, USA</b> <b>Rapporteurs: Dr. Simerjeet Kaur and Dr. Surabhi Hota</b>
9:30-10:10	Herbicide-resistance in weeds and their management under climate change scenario <b>Dr. Samunder Singh, Hisar</b> <span style="background-color: #f4a460; padding: 2px;">Plenary lecture</span>
10:10-10:50	Herbicide-tolerant crops and weed management with special reference to direct-seeded rice <b>Dr. A.K. Singh, New Delhi</b> <span style="background-color: #f4a460; padding: 2px;">Plenary lecture</span>
10:50-11:00	Discussion and concluding remarks by <i>the Chair and Co-chair</i>
<b>Venue: Main Hall</b> <span style="float: right;"><b>Date: 29/11/2024</b></span>	
11:00-13:00	<b>TECHNICAL SESSION 4: Digital technologies and extension strategies in weed management</b>  <b>Chair: Dr. N.N. Angiras, Palampur</b> <b>Co-Chair: Dr. Virendra Kumar, Philippines</b> <b>Rapporteurs: Dr. N. Ananda and Dr. Deepak V. Pawar</b>
11:00-11:20	<i>Role of digital technology on advanced weed management</i> <b>Dr. Muthukumar Bhagawathianan</b> <span style="background-color: #c00000; color: white; padding: 2px;">Lead</span>
11:20-11:40	<i>Role of weed management technologies for farm profitability and sustainability</i> <b>Dr. M.S. Bhullar</b> <span style="background-color: #c00000; color: white; padding: 2px;">Lead</span>
	<i>Weed management in direct-seeded rice: A farmer field study</i> <b>Dr. Meenakshi Sangwan</b>
	<i>Brush-cutter with rotary tiller: An economically viable weeding tool for small and marginal farmers of India</i> <b>Dr. C.R. Chethan</b>
	<i>Optimizing triafamone 20% + ethoxysulfuron 10% herbicide dose through drone technology for sustainable weed management in rice</i> <b>Dr. Ashirbachan Mahapatra</b>
	<i>Molecular profiling of Echinochloa species using random amplified polymorphic DNA, simple sequence repeat, and inter-simple sequence repeat markers</i> <b>Dr. Sahadeo Kuwardadra</b>
	<i>Impact of improved weed management technologies: An econometric approach</i> <b>Dr. A. Jamaludheen</b>
	<i>Advancing herbicide development: A computational approach combining physicochemical parameter and scaffold analysis</i> <b>Miss. Priyanka Rani</b>
	<i>Herbicide use pattern and economics of weed control in dry and tar-water sowing methods of dry direct-seeded rice at farmer's field in Tarn Taran district of Punjab</i> <b>Dr. Navjot Singh Brar</b>
	<i>HierbaRobo and HierbaApp: An AI-powered weeding robot and android mobile application for weed identification and removal</i> <b>Mrs. Justina Michael</b>
	<i>Modern agriculture's new weed control approach</i>

	<p><b>Mr. Ankur Singh</b> <i>Empowering weed management through artificial intelligence and digital technologies</i></p> <p><b>Mr. Ambuj Kumar Singh</b> <i>Impact assessment of chemical weed management technology in transplanted rice through field demonstration</i></p> <p><b>Miss. S. Karubakee</b> Discussion and concluding remarks by <i>the Chair and Co-chair</i></p>
<b>Venue: Hall 1</b>	
<b>Date: 29/11/2024</b>	
11:00-13:00	<p><b>TECHNICAL SESSION 5: New directions for integrated weed management in wheat and maize</b></p> <p><b>Chair: Dr. A.K. Singh, New Delhi</b> <b>Co-Chair: Dr. U.P. Singh, Varanasi</b> <b>Rapporteurs: Dr. Malay Kumar Bhowmick and Dr. Himanshu Mahawar</b></p>
11:00-11:20	<p><i>Weed management under conservation agriculture systems</i> <b>Dr. T.K. Das</b> <span style="background-color: red; color: white; padding: 2px;">Lead</span></p>
11:20-11:32	<p><i>Conservation agriculture practices increases weed problems in rice-wheat system: Myth or reality</i> <b>Dr. U.P. Singh</b> <span style="background-color: blue; color: white; padding: 2px;">Invited Paper</span></p> <p><i>Weed management in maize during summer season in Assam</i> <b>Dr. Khagen Kurmi</b></p> <p><i>Bio-efficacy of post-emergent herbicides in wheat under temperate condition of Kashmir valley</i> <b>Dr. Ahmad Abdullah Saad</b></p> <p><i>Management of itch grass (<i>Rottboellia cochinchinensis</i>) in maize</i> <b>Dr. M.B. Patil</b></p> <p><i>Weed control efficacy of topramezone 33.6% SC against complex weed flora of maize</i> <b>Dr. S.B. Yogananda</b></p> <p><i>Integrated weed management in cotton-based intercropping system</i> <b>Dr. P. Saravanane</b></p> <p><i>Compatibility of herbicides tank mixed with nano urea in wheat and impact on wheat and weeds</i> <b>Dr. Amarjeet Nibhoria</b></p> <p><i>Eco-friendly weed management in maize through legume intercropping in the hilly terrain of Eastern Himalayas</i> <b>Dr. Jeetendra Kumar Soni</b></p> <p><i>Evaluation of performance of new herbicide molecules for enhanced productivity and weed management in maize under rainfed ecology of Madhya Pradesh</i> <b>Dr. Gaurav Mahajan</b></p> <p><i>Influence of integrated nutrient and weed management on yield and weed dynamics of zero till maize</i> <b>Dr. Kesipeddy Naganjali</b></p> <p><i>Impact of herbicide mixture on weed flora, yield and quality of Rabi popcorn</i> <b>Dr. Partha Sarathi Patra</b></p> <p><i>Efficacy of clodinafop-propargyl 15% SC along with carfentrazone-ethyl 40% SC against different weed flora in wheat of Mahrajanj, Uttar Pradesh</i> <b>Dr. Shiv Poojan Yadav</b></p> <p><i>Efficacy of mesotrione on weed management, growth and yield of summer maize</i> <b>Dr. Mahua Banerjee</b></p> <p><i>Punjab successfully converted additional 2.5 lac ha area under kharif maize?</i> <b>Dr. Pardeep Kumar Sagwal</b></p> <p><i>Optimizing weed management and herbicide efficacy in wheat: Influence of rice residue mulch and herbicide application methods in zero-tillage systems</i> <b>Mrs. Charul Chaudhary</b></p> <p><i>Supplemental effects of chemical weed management in straw-mulched rainfed maize under drought-prone central plains of India</i> <b>Mr. Diyan Mandal</b></p>

	Discussion and concluding remarks by <i>the Chair and Co-chair</i>
<b>Venue: Hall 2</b>	<b>Date: 29/11/2024</b>
11:00-13:00	<p><b>TECHNICAL SESSION 6: Current developments in integrated weed management in agri- and horticultural crops and systems</b></p> <p><b>Chair: Dr. A.S. Rao, Hyderabad</b>  <b>Co-Chair: Dr. Sunil Kumar, Modipuram</b>  <b>Rapporteurs: Dr. B. Duary and Dr. M.G. Deeksha</b></p>
11:00-11:20	<p><i>Integrated weed management in seed spices</i>  <b>Dr. Arvind Verma</b> <b>Lead</b></p>
11:20-11:32	<p><i>Integrated weed management in millets</i>  <b>Dr. K.N. Geetha</b> <b>Invited Paper</b></p> <p><i>Impact of pendimethalin on germination, growth, and productivity of summer pearl millet</i>  <b>Dr. Vinodkumar B. Mor</b></p> <p><i>Fertilizer and weed management in sugarcane</i>  <b>Dr. D.D. Patel</b></p> <p><i>Assessment of pre-mix herbicides on weed dynamics, growth, and yield of barley in a guava based agri-horti system</i>  <b>Dr. Manoj Kumar Singh</b></p> <p><i>Effect of weed management practices on pearl millet productivity and weed dynamics under semi-arid condition of Rajasthan</i>  <b>Dr. Seema Sharma</b></p> <p><i>Early post-emergence herbicides effect on weeds, yield and economic of Bt cotton</i>  <b>Dr Jainendra Kumar Singh</b></p> <p><i>Effect of integrated weed management practices and nutrient management on weed and yield of millets under rainfed agroecosystem</i>  <b>Dr. Rakesh Kumar</b></p> <p><i>Standardization of weed management strategy for commercial farming of sweet potato in Indian conditions</i>  <b>Dr. J. Suresh Kumar</b></p> <p><i>Three years weed dynamics in different crop establishment and weed management methods</i>  <b>Dr. Nikhil Kumar Singh</b></p> <p><i>Quantification of garlic to pre- and post-emergence herbicides</i>  <b>Dr. Hiren Der</b></p> <p><i>Evaluation of new herbicide molecules for integrated weed management in sugarcane plant cane</i>  <b>Dr. Sourabh Munnoli</b></p> <p><i>Dynamics of weed flora in major Kharif crops</i>  <b>Dr. B.S. Gohil</b></p> <p><i>Weed management in cotton using new ready-mixed and tank-mix herbicides to enhance productivity, profitability, and fibre quality</i>  <b>Dr. Rishi Raj</b></p> <p><i>Effect of eco-friendly weed management practices on weed dynamics and yield of organic Tomato</i>  <b>Miss. Meesala Srija</b></p> <p><i>Nutrient and weed management in buckwheat (<i>Fagopyrum esculentum</i>) after Sali rice</i>  <b>Mr. Bamon Timung</b></p>
	Discussion and concluding remarks by <i>the Chair and Co-chair</i>
13:00- 13.40	<b>Lunch/Posters</b>

Venue: Main Hall		Date: 29/11/2024
13.40-15.00	<p><b>Special Session on Industry</b></p> <p><b>Chair:</b> Dr. J.S. Mishra, Jabalpur  <b>Co-Chair:</b> Dr. R.P. Dubey, Jabalpur and Dr. P.J. Suresh, Mumbai  <b>Convener:</b> Dr. V.K. Choudhary, Jabalpur  <b>Rapporteurs:</b> Dr. Yogita Gharde and Dr. Todar Mal Poonia</p> <p>Bayer  Syngenta  Corteva  UPL  ADAMA  BASF  PI Industries  Dhanuka</p> <p>Discussion and concluding remarks by <i>the Chair and Co-chair</i></p>	
<b>TECHNICAL SESSIONS (Concurrent Sessions in Main Hall, Hall 1 and Hall 2)</b>		
Venue: Main Hall		Date: 29/11/2024
15.00 -17.00	<p><b>TECHNICAL SESSION 7: Biological weed control and weed utilization</b></p> <p><b>Chair:</b> Dr. Nimal Chandrasena, Australia  <b>Co-Chair:</b> Dr. Sushil Kumar, Jabalpur  <b>Rapporteurs:</b> Dr. K. Ramesh and Dr. A. Jamaludheen</p>	
15:00-15:25	<p><b>Mahesh K. Upadhaya Award Lectur</b></p> <p><i>Biological control of weeds by using plant pathogens: now and in the future</i>  <b>Dr. Raghavan Charudattan</b> <b>Lead</b></p> <p><i>Please don't degrade weeds; they are highly medicinal</i>  <b>Dr. C.K. Venugopal</b></p> <p><i>Allelopathic potential of alternanthera philoxeroids (mart.) griseb. extracts and its bioefficacy as bioherbicide in blackgram</i>  <b>Dr. S. Kamala Bai</b></p> <p><i>Climate change influence on multitrophic interactions of invasive aquatic weeds and their biocontrol agents</i>  <b>Dr. Puja Ray</b></p> <p><i>Non-chemical approaches to weed management in organic systems</i>  <b>Dr. Amandeep Singh Sidhu</b></p> <p><i>Isolation and characterization of phytopathogenic microbes from plant phyllosphere for phytotoxicity against Echinochloa colona</i>  <b>Dr. Pramod Kumar Gupta</b></p> <p><i>Unravelling the effects of drought stress on rice and weeds through physiological and biochemical approaches</i>  <b>Dr. Sreekanth Dasari</b></p> <p><i>Insecticidal activities and phytochemical screening of crude extract of Argemone mexicana L.</i>  <b>Dr. Kranti Waghmare</b></p> <p><i>Use of weed biochar as a novel technology in carbon sequestration for enhancing the crop productivity under climate change</i>  <b>Miss. Suchismita Satapathy</b></p> <p><i>Bio-herbicides: an eco-friendly approach for integrated weed management</i>  <b>Miss. Kratika Nayak</b></p> <p><i>Molecular diversity of fungal pathogens associated with Trianthema portulacastrum for the development of mycoherbicide</i>  <b>Mr. Vaddi Saitheja</b></p>	



	<p><i>The utility of weeds in different fields</i>  <b>Mr. Vishwajeet Singh</b></p> <p><i>Germination ecology of annual ryegrass (<i>Lolium rigidum</i> G.) populations in Eastern Australia</i>  <b>Mr. Pankaj Ghodke</b></p> <p><i>Utilization of a widespread invasive taxa <i>Prosopis juliflora</i> for metal bioaccumulation and detoxification in metal-contaminated Sites</i>  <b>Mr. Akil Prasath</b></p> <p><i>Ecological Assessment of Agrestals Weeds of Wheat Crop in Moradabad District, Uttar Pradesh, Bharat</i>  <b>Mr. Sachin Sharma</b></p> <p><i>Discussion and concluding remarks by the Chair and Co-chair</i></p>
<b>Venue: Hall 1</b>	
<b>Date: 29/11/2024</b>	
15.00 -17.00	<p><b>TECHNICAL SESSION 8: Herbicide residues and weeds quarantine methods</b></p> <p><b>Chair: Dr. Samunder Singh, Hisar</b>  <b>Co-Chair: Dr. C. Chinnusamy, Coimbatore</b>  <b>Rapporteurs: Dr. P. Murali Arthanari and Dr. Sahadeo Kuwardadra</b></p>
15:00-15:20	<p><i>Monitoring herbicide residues under climate change</i>  <b>Dr. Shobha Sondhia</b> <b>Lead</b></p>
15:20-15:32	<p><i>Integrated approaches for safe crop production: herbicide residue management</i>  <b>Dr. T. Ramprakash</b> <b>Invited Paper</b></p>
15:32-15:44	<p><i>Importance of quarantine laws for restricting expansion of weed seeds</i>  <b>Dr. Mool Chand Singh</b> <b>Invited Paper</b></p> <p><i>Hidden tale of glyphosate in Indian environment</i>  <b>Dr. Tirthankar Banerjee</b></p> <p><i>Adengo SC 465®: A reliable ally in the battle against hard to control weeds in corn</i>  <b>Dr. Ramisis Fulgencio</b></p> <p><i>Mateno More®: A promising solution for controlling phalaris minor &amp; mix of broad leaves weed in wheat crop</i>  <b>Dr. Karanpreet Singh</b></p> <p><i>Surfactant-induced modifications in leaching patterns of mesosulfuron-methyl and iodosulfuron-methyl and environmental impact</i>  <b>Dr. Harshdeep Kaur</b></p> <p><i>Trace level quantification of tembotrione, TCMB and M5 in soil, water and plant</i>  <b>Dr. Debabrata Ghoshal</b></p> <p><i>Development of an extraction method for novel triketone and pyrazolone herbicide from various matrices by using response surface methodology and genetic algorithm models</i>  <b>Mr. Atanu Sarkar</b></p> <p><i>Adsorption-desorption dynamics of glyphosate in wheat straw biochar enriched biomixtures</i>  <b>Miss. Garima Sethi</b></p> <p><i>Trace level analysis of glyphosate and AMPA in water using LC-MS/MS</i>  <b>Mr. Subhajit Rakshit</b></p> <p><i>Discussion and concluding remarks by the Chair and Co-chair</i></p>
<b>Venue: Hall 2</b>	
<b>Date: 29/11/2024</b>	
15.00 -17.00	<p><b>TECHNICAL SESSION 9: Management of parasitic, invasive and aquatic weeds</b></p> <p><b>Chair: Dr. Prashant Jha, USA</b>  <b>Co-Chair: Dr. C.R. Chinnamuthu, Coimbatore</b>  <b>Rapporteurs: Dr. S. Kamala Bai and Dr. Archana Anokhe</b></p>
15:00-15:20	<p><i>Management of Orobanchae in mustard</i>  <b>Dr. R.S. Jat</b> <b>Lead</b></p>

15:20-15:32	<i>Integrated weed management in plantation crops</i> <b>Dr. P. Prameela</b> <small>Invited Paper</small>
15:32-15:44	<i>Phytoremediation: aquatic weed-based technology for water quality improvement in peri-urban areas of India</i> <b>Dr. P.J. Khankhane</b> <small>Invited Paper</small> <i>Impact of Lantana camara invasion on major soil nutrients and floral diversity of forest in Chhattisgarh</i> <b>Mrs. Neelu Solanki</b> <i>Parasitic weed Cuscuta in lucerne and its management</i> <b>Dr. Vimalkumar J. Patel</b> <i>Ecological consequences of Singapore Daisy invasion on the native weed flora</i> <b>Dr. P. Gayathri Karthikeyan</b> <i>Influence of Lantana camara removal by uprooting on soil microbial properties in deciduous forest of Balrampur, Chhattisgarh</i> <b>Dr. Himanshu Mahawar</b> <i>Survey insights on the ecological and agricultural threat of Ambrosia psilostachya in Karnataka</i> <b>Dr. M.G. Deeksha</b> <i>Phanerogamic plant parasites: Approaches of managing parasitic weeds</i> <b>Miss. Stuti Maurya</b>  Discussion and concluding remarks by the Chair and Co-chair
17:00-18:00	<b>Closing ceremony (in Main Hall)</b> <ul style="list-style-type: none"> <li>• Remarks by Organizing Secretary : <b>Dr. R.P. Dubey, Secretary, ISWS, Jabalpur</b></li> <li>• Declaration and distribution of Best Poster awards</li> <li>• Remarks by President, ISWS : <b>Dr. J.S. Mishra, President, ISWS, Jabalpur</b></li> <li>• Remarks by Guest of Honor : <b>Dr. Nagendra Rai, Director, ICAR-IIVR, Varanasi</b></li> <li>• Remarks by Chief Guest : <b>Dr. Rajbir Singh, ADG (A,AF&amp;CC), ICAR, New Delhi</b></li> <li>• Rapporteurs : <b>Dr. Shobha Sondhia and Dr. C.P. Nath</b></li> <li>• Vote of thanks : <b>Dr. M.K. Singh, Local Organizing Secretary, Varanasi</b></li> </ul>
17:01-17:30	<b>High Tea</b>
19:30-22:00	<b>Dinner</b> <span style="float: right;">Date: 29/11/2024</span>
	<b>Saturday, November 30, 2024</b>
	<b>Field visit and Excursion</b>