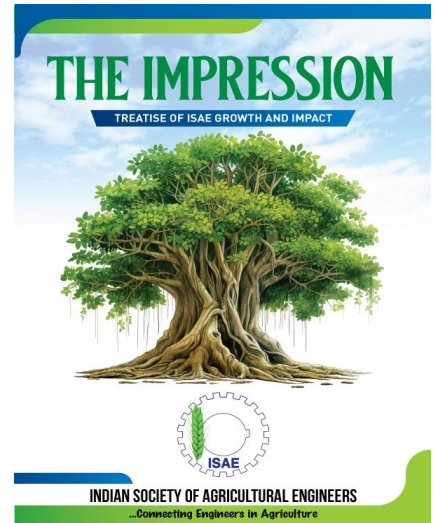
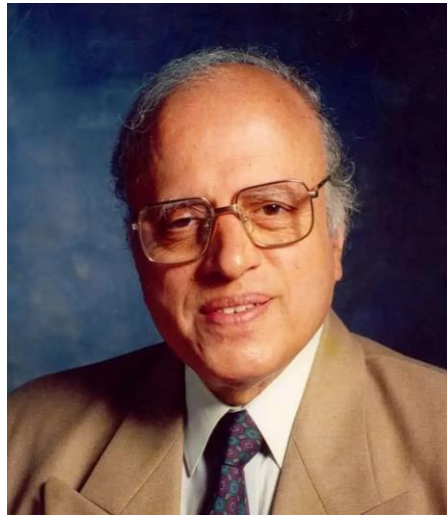


# e-NEWSLETTER

## INDIAN SOCIETY OF AGRICULTURAL ENGINEERS

.... Connecting Engineers in Agriculture

Sept.-Oct., 2023



5600 + Life Members

36 Chapters

2 Scientific Journals

Published by  
**INDIAN SOCIETY OF AGRICULTURAL ENGINEERS**

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## Message From The President



**Dear members!** The 57<sup>th</sup> ISAE Convention and International Symposium is now just after one week. Hope you all have booked your ticket and are excited to meet you. I am extremely happy to inform you all that we applied for Scopus indexing of the journal and it passed all requirements. Now Scopus has suggested to increase the citation paper published in JAEI in the Scopus indexed journal and reapply. It will take substantial time and persuasions from different corners. I solicit your cooperation in their endeavour.

**Dear ISAEians!** The headquarter has release the seed money of Rs. 5000/- to each chapter who has submitted bank account detail. Chapters who have not yet submitted, please do that. ISAE activities will increase with increase in activities of chapters only. The ISAE Wall calendar 2024 and History book of ISAE entitled Impression: Treatise of ISAE growth and impact” are also ready for release in the forthcoming convention. You all are requested to be witnesses of these releases. A new initiative for making software module for automatic approval and downloading of membership certificates has been taken and order placed. Hope in coming few months the new member can download his/her certificates sitting from his/her home/offices.

**Dear friends!** ECs meetings during the period have reviewed the decisions taken earlier and progress their in and found substantial and excellent progress in implementation of decisions taken. MoU for translating our AET and publishing in other Indian languages with M/S i-manager publishers of Tamil Nadu is ready to be signed in the inaugural session of the 57<sup>th</sup> ISAE Convention at Raichur. This is a unique and big initiative by the present executive to popularize the Agricultural Engineering among all Indian languages and people of all states. It will also enhance its economic health substantially. The bidding/expression of interest for holding ISAE convention in 2024 and 2025 has got good response and we will be able to decide in the next council meeting at Raichur. More demand in advance for conducting such mega events indicate that our chapters are becoming more and more active and prompt. Thanks to everyone for every help rendered to the central executive committee

**Dear Agrineers!** Last month I visited Punjab and had a meeting with Chapter’s member including Dean of CAE Ludhiana at Ludhiana. Several issues were raised and discussed solutions. I also conducted a press conference in ICAR-CIPHET and issue of Directorate of Agricultural Engineering was raised. All leading Newspapers/electronic media printed them in National page. I also met Hon;ble VC PAU Ludhiana and requested them to pursue the state Government for Directorate of Agricultural Engineering, which he happily accepted and promised to do the same. I also met the Agriculture Minister of Bihar and thanked him for appointing many Agricultural Engineers in the state and requested him to do the needful for establishing the Directorate. Letters written by Hon’ble AM of Govt. of India was also handed over to him. He promised that he will be doing action as he was remembering all letters going from centre for the purpose. Friends! I am trying my bets from all angle on this subject, but I believe, it is only possible when you all will pursue the case at local level. Togetherness and consistency in persuasion is the must for success of any endeavour.

**Dear All!** The executive committee is trying to do their best in all sphere of activities of ISAE. Your participations in any form is solicited. Now there are independent e-mail id for all three editors-in-chief using ISAE domain. For JAEI we are only accepting papers through online journal management system at [www.ISAE.in](http://www.ISAE.in). Even you can participate in activities of ISAE in form of an author by writing articles in JAEI, citing JAEI papers in other journals, writing for AET, e-newsletter or a special issue on any topic falling in the purview of ISAE activities. We all request to come! Participate and make this an **INCREDIBLE** Scientific society. Hope to meet you all very soon in Raichur. Jai Hind!

S N Jha  
President, ISAE

## From the Editor-in-chief's Desk



*It is pleasing to note that The Indian Society of Agricultural Engineers (ISAE) is moving into a new phase of its development, and several steps have been taken by the EC in this regards. Efforts are being made for Deptt. of Agricultural Engineering in IITs and NITs, Separate directorates in State, and efforts for expanding the activities of ISAE etc.*

*The society and the member are working actively, to reach maximum number of Agrineers and professional in the agriculture sector through its publications, training session and activities across the country through ISAE chapters. This newsletter is featured with glimpses of efforts made through activities and advancement in the field of agricultural engineering conducted during this period of Sept. -Oct. 2023 across the country by various agricultural engineering institutes for dissemination of knowhow to all stakeholders.*

*I hope the content on various technologies news related to Agriculture through this e-newsletter will give takeaways on latest technologies and updated to Agricultural Engineering professionals in introducing and implementing the same.*

*Your suggestions, feedback are also solicited for further improvement of this mouthpiece of ISAE.*

**Chandra Shekhar**  
Chief Editor



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## ISAE Happenings

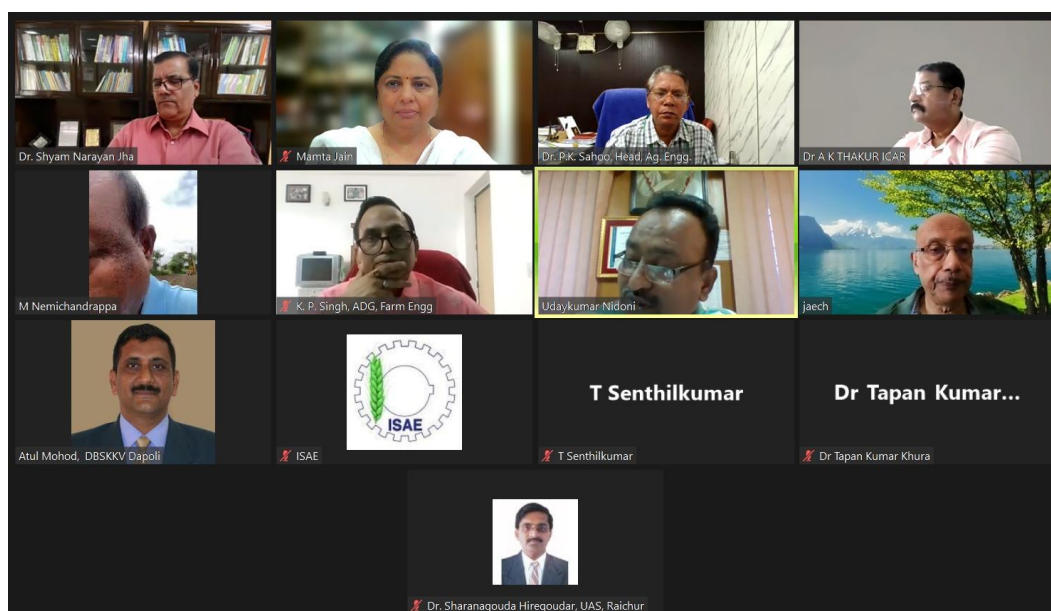
### The 21<sup>st</sup> Executive Committee Meetings Held on Dated 02.09.2023

The ISAE Executive Committee meeting was held on 02.09.2023 in Zoom platform at 10:30 AM the following points were discussed:

- ❖ It was informed that preparation of the 57<sup>th</sup> ISAE annual convention is being monitored by the Secretary General weekly basis. The Secretary General briefed about the budget estimate of the convention, constitution of different committees/subcommittees, short listing of chief guest, guest of honour etc.
- ❖ The Chairperson, Co-chairperson, lead speaker, and rapporteurs for different technical sessions of the convention will be decided by the Vice President (Technical council) in consultation with technical directors and organizing committee.
- ❖ It was informed by the President, ISAE that the ISAE calendar 2024 with theme "Makhana Mechanization" is in proper shape and will need few inputs before final printing.
- ❖ It was informed by the president that MoU with ASABE has been signed and action may be initiated for planning activities to be organized by ISAE and ASABE jointly for next two years.
- ❖ It was advised by the president to conduct ISAE chapters meeting at the earliest so that state level problems, creation of Directorate of Agricultural Engineering, content for ISAE e-news letter and issuing of AET to state chapters for selling may be discussed.
- ❖ The matter of cancelling the earlier MoU between ISAE and AAAE upon request of prof. I M Mishra was discussed and unanimously agreed upon to accept the same. It was advised that correspondence initiated by then president ISAE to the ICAR may be withdrawn so that new MOU may be signed. The new draft MoU was also discussed.
- ❖ The citation of the research papers published by JAE(I) and NAAS rating of journal would improve by indexing JAE(I) in EBSCO. The licensing agreement was signed between ISAE and EBSCO. The letter was received from EBSCO in this regard and the same was ratified by the CEO. The efforts put in all these by Dr. Adlul Islam was appreciated and requested him to be the key person for submission of papers to EBSCO for the purpose as and when required .
- ❖ The EC accepted the request of Dr. S. Mangraj to relieve him from the responsibility as editor of the AET and acknowledged his contribution as member of editorial board of AET and hope to get the cooperation in the future also. Dr. Devinder Dhingra, Principal Scientist, ICAR-HQ was nominated as member of the editorial board of AET.

## ISAE Happenings

- ❖ Special issue on discipline of Soil water Engineering, Process and Food Engineering and Farm Machinery and Power Engineering under JAE(India) proposed by Dr. Jha, President, ISAE was discussed in the meeting. For the special issues Prof R. S. Kanwar ISU USA and Dr. Adlul Islam for Soil water and Dr. ARP Kingsly Prof. Purdue university USA for processing were approved as Guest editor(s). The special issue will have theme relevant to challenge faced by Indian agriculture, special issue number with same volume and ISSN number of JAE (India). The special issues will be published in Soil and water Engineering and Process & Food Engineering in December 2023 and March, 2024, respectively. The Guest editor for Farm Machinery and Power Engineering may be identified at the earliest.
- ❖ Secretary General proposed three teams of most accomplished and imminent scientists in the profession of Agricultural Engineering and residing in the Delhi, NCR region for scrutinizing the applications for ISAE awards. Members also suggested some more name to be added and the same were accepted. It was advised that each committee should be led by the senior-most member of the committee, after taking their consent
- ❖ It was agreed that if present secretary Dr. Tapan Kumar Khura, seek relief from the duty to join in ICAR-CIAE, Bhopal then Dr. Dilip Kumar Kushwaha, Scientist in Division of Agricultural Engineering, ICAR-IAR! may be nominated as secretary-I in his place. (Action. Secretary General)



## ISAE Happenings

### The 22<sup>nd</sup> Executive Committee Meetings Held on Dated 02.10.2023

The 22<sup>nd</sup> ISAE Executive Committee meeting was held on 02.10.2023 in Zoom platform in which the following points were discussed.

- ❖ The invited members Dr. Nemichandrappa and Dr. Nidoni briefed about the progress made in preparation of 57<sup>th</sup> ISAE convention. It was informed that sponsorships to the tune of Rs.35.00 lakhs from different funding agency were assured. Some participants have also registered online for the conventions. The president advised to minimize extra cost in any activities and maximum savings should be returned to HQ. It was also advised that all the Directors may communicate the authors to register for the convention online then only their accepted abstracts will be included in the souvenir.
- ❖ It was informed that for smooth organization of convention different sub-committees such as inaugural, valedictory, technical/poster sessions, transportation, accommodation etc has been constituted by the host institution. It was also reiterated the transportation from Hyderabad airport to Raichur has been made and can be availed from the 5<sup>th</sup> Nov, 2023 onwards.
- ❖ The president also advised to do the needful arrangement for live streaming of the event on online platform. The GB meeting will be on the 6<sup>th</sup> November evening both in offline and online mode
- ❖ The organizing committee from Raichur informed about the list of the Chief Guests, Guest of Honors and other dignitaries for the inaugural and valedictory functions of the convention. The president advised to work hard to invite Chief Minister/ Agriculture Minister of Karnataka in the convention's inaugurations.
- ❖ It was also suggested that chairperson(s), lead speaker, and rapporteurs for different technical sessions of the convention will be decided by the Vice President (Technical council) in consultation with Directors of different disciplines and organizing committee.
- ❖ The numbers of abstract received in different discipline of Agricultural Engineering communicated to the members. It was advised that for convenience, the oral and poster presentation in different theme areas may be kept at the ratio of 8:2 and concurrent session may be arranged for the same. Similarly, four concurrent sessions in different theme areas may be arranged in four disciplines i.e. Farm Machinery and Power Engineering, Soil and water Engineering, Process, Dairy and Food Engineering and Energy & Others in second and third day of the convention.



## ISAE Happenings

- ❖ Dr. A K Thakur, briefed about the status of draft MoU between the CIGR bidding firm and ISAE. The MoU needs to include the local organizing committee for CIGR event.
- ❖ Revenue shares between the ISAE and the publisher in regional languages of AET were deliberated at length. It was decided that revenue share up to 30% or Rs. 50,000/- whichever is more for a period of three years may be ok. The president was also of the view that even only 30 % of sale deed of translated AET will be fine for ISAE. Major intention for this MoU is to reach the common unreachable persons through AET in their languages and make them more aware about Agricultural Engineering.
- ❖ The draft MoU submitted by Indianjournal.com was discussed by the members and advised to revisit the draft MoU before finalizing.
- ❖ The application for the 58th Annual convention of ISAE from the Vasanttrao Naik Marathwada Krishi Vidyapeeth (VNMKV), Parbhani was discussed and EC agreed for the same to put into it in the ISAE council. EC members were also advised to request people to send their willingness to conduct ISAE convention in 2025 and 2026 as well.
- ❖ The point raised by Dr. Kadam regarding organization of 59<sup>th</sup> annual convention of ISAE at Srinagar, J&K. It was decided that matter will be discussed in the GB meeting on 6th November if such proposal is received from ISAE J& K Chapter.
- ❖ The executive members in principle accepted the recommendations for different awards by the constituted award committees. The award committee recommended not to give TAFE best thesis award this time, the EC members also agreed upon it. The letter may be communicated to the awardees well in advance.
- ❖ The President also discussed about the Mason Vaugh Agricultural Engineering Pioneer Award and ISAE Gold Medal for Lifetime Achievements awards and the candidates. In principle, the EC member agreed on the proposed candidates for the above stated awards.



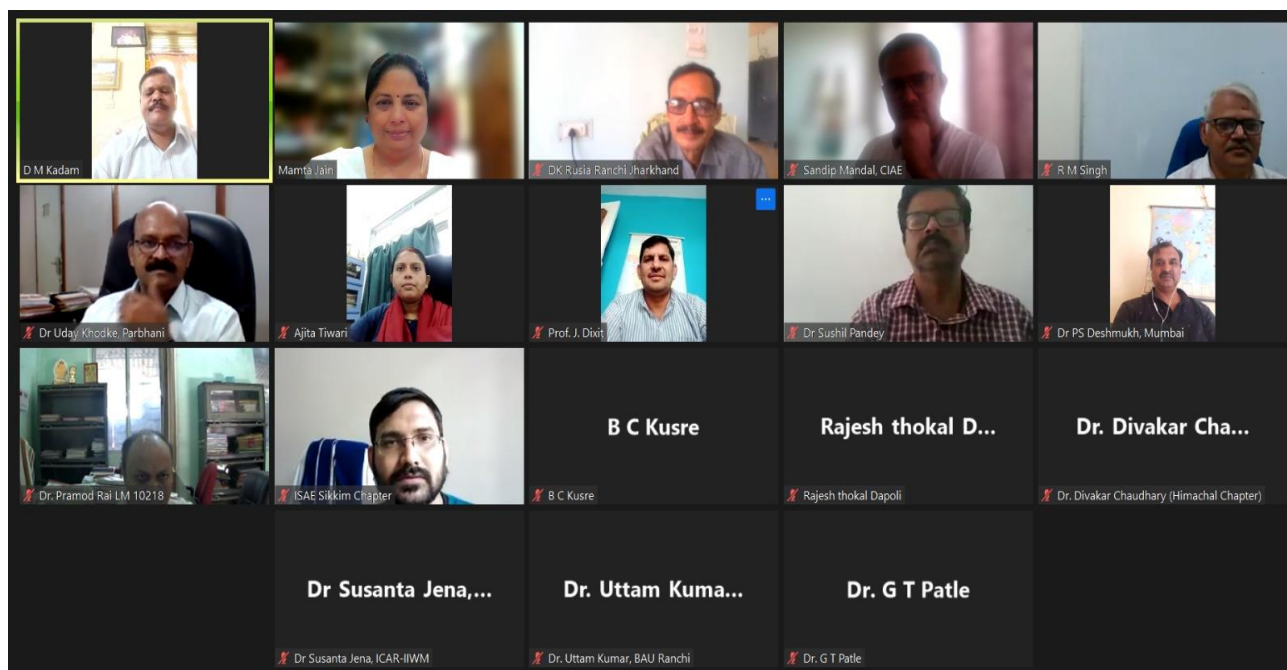


## ISAE Happenings

### ISAE chapter meeting was conducted on 7<sup>th</sup> Oct. 2023

Quarterly Meeting of all ISAE chapters was conducted on 7<sup>th</sup> October 2023 at 11.00am in which Chairman's of chapter, Secretaries/ Members attended the meeting in online mode. In the meeting following agendas were discussed :

- ❖ Action taken on last meeting decision
- ❖ Status of Bank account and submission of account details to ISAE HQ
- ❖ Transfer of Rs 5000 as seed money to chapters from ISAE HQ
- ❖ Transfer of portion of membership fee money to chapters.
- ❖ Organization of Monthly/ quarterly seminar/presentation/ workshop by chapters including Students Activities.
- ❖ Discussion on Monthly webinar on technology developed by chapters, one chapter every month- Participation will be open to all
- ❖ Enrolling Student members, life members, corporate members and institute members.
- ❖ Quality Research papers submission to JAE(I) and article to AET from each Chapters
- ❖ Abstract submission to ISAE Convention
- ❖ Participation in ISAE Convention
- ❖ Several other agenda point of various chapters



## ISAE Happenings

### History book of ISAE, to be released in ISAE convention

History book of ISAE prepared after lot of research, contacts/discussions with peers and inputs by many seniors, juniors, ISAE office staff and executive members. It was conceptualized about one and half year back but now has taken a final shape. In this book, it is tried to compile all trajectory of ISAE.

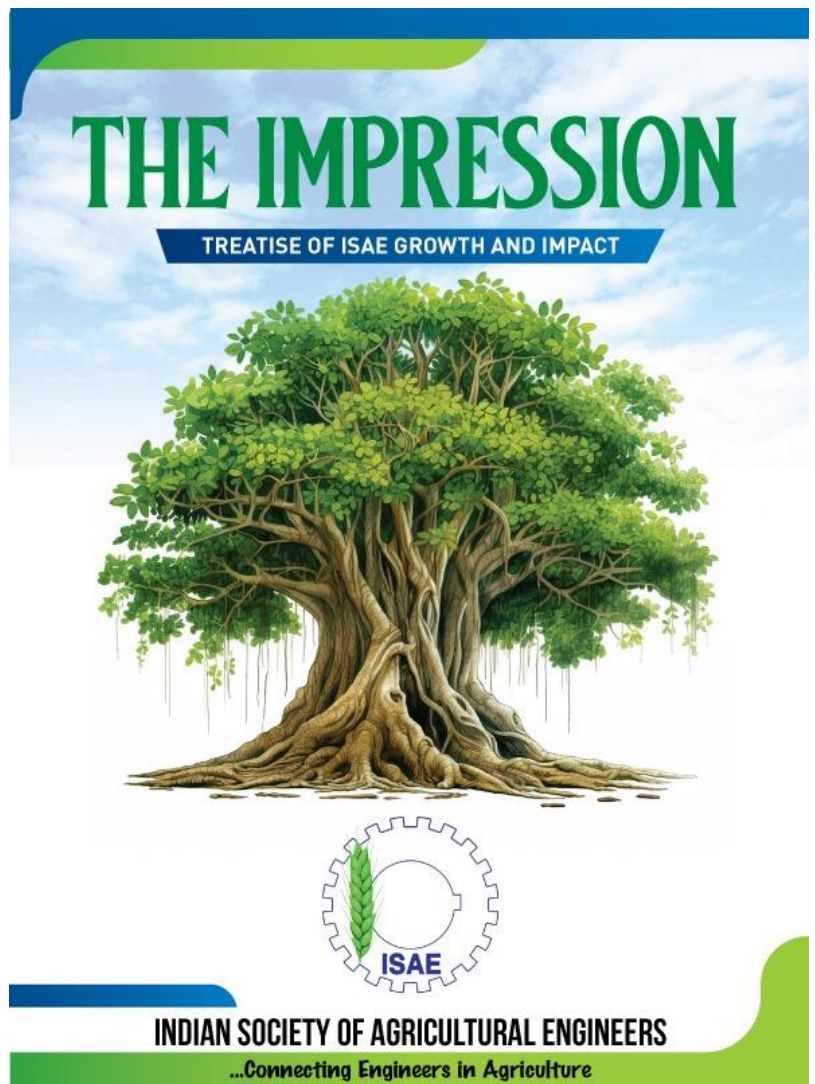
The book is proposed to be release in ISAE Convention in Raichur. Thereafter it will be kept on ISAE website.

The book, “The Impression: Treatise of ISAE Growth and Impact” has beautifully sketched the historical trajectory of ISAE in interesting heads and sub-heads with figures and facts.

It beautifully and in interesting ways describes the contributions and sacrifices of founding members and members who kept its business going even in bad weathers.

It will certainly inspire the coming generations to intensify the activities of the ISAE for better science and society ahead.

Congratulations to ISAE and particularly the present President for thinking and documenting past information in form of a book. It will be certainly read with interest and referred by agricultural engineers in the years to come.





## ISAE Happenings

### Seminar and Workshop Arranged by Dr T Senthilkumar, Director (FMP) ISAE

The following events were conducted by coordination by Dr.T.Senthilkumar, Director (Farm Machinery and Power Engineering) ISAE during August and September 2023

1. Seminar on “ Opportunities and outcome for early stage Agro Industrial startups” organized by Department of Agricultural Engg., Sri Shanmuga College of Engineering and Technology, Sankari, Salem dt TN on 25.08.2023 and delivered a guest lecture on “ Agri Enterprunership opportunities in Farm Machinery sector” as a Guest speaker by Dr.T.Senthilkumar Director FM, ISAE. More than 100 students participated in the program
2. A workshop on Performance assessment of Agricultural Machinery for profitable agriculture division of Farm machinery and Power Engineering, Indian Society of Agricultural Engineering, New Delhi jointly with Sri Shanmuga College of Engineering and Technology, Sankari, Salem dt Tamil Nadu on 09.09.2023. More than 250 students participated in workshop and learned about different instruments used for evaluation of farm machinery and hands on training of different measurements like speed, draft, cone index, soil moisture, noise, vibration, depth of cut, width of cut, seed moisture and wear analysis.





## ISAE Happenings

### 58<sup>th</sup> ISAE convention at Parbhani

During the GBM meeting of ISAE at TNAU Coimbatore, Parbhani Chapter of ISAE has requested to accept our invitation to host 58<sup>th</sup> ISAE Convention at Parbhani during 2024 with the consent of Prof. Indra Mani Vice Chancellor of VNMKV Parbhani and Past President of ISAE. The issue subject was discussed and ISAE GB unanimously agreed for our request.



### Activities of Mumbai Chapter

In the Executive Board meeting of ISAE Mumbai Chapter held on 16 October 2023, passed following resolution on agenda item 2.1 unanimously - *“Resolved that ISAE and it’s chapters will support the efforts, means and ways to ensure getting opportunities in government and non-government sector employment by all possible ways like moral, logistic, media, technical, documentation, legal, financial - partially or fully.”* Proposed by: Dr. Sheshrao Kautkar Seconded by: Dr. Manjit Lad

The above resolution from ISAE Mumbai Chapter was submitted to General secretary ISAE to included as an agenda for the forthcoming Executive Council / ISAE Council / GB of ISAE.

This will pave the way to extend all possible ways to support in the efforts, means and ways to ensure getting opportunities in government and non-government sector employment.

## ISAE Happenings

### Activities of Lucknow Chapter

**Executive Board meeting** : Executive Board meeting was held in online mode on 29.7.2023 in which it was decided to hold a Special Lecture Series along with AGM.

**Special Lecture Series** : A Special Lecture Series IV, was organized on 12.8.2023 at Directorate of Agriculture, Krishi Bhawan, Lucknow. The session was chaired by Er K.B. Singh, Ex-Director (Agriculture) and co-chaired by Er K.P. Tripathi, Ex-Principal Scientist, IISWC, Dehadoon. Dr Bangali Baboo, Ex-National Director, NAIP, New Delhi was the Guest of Honour.

All the participants were welcomed by Dr Jaswant Singh, Chapter Chairman. Dr R.C. Srivastava, Ex-VC, RPCAU, Pusa, Samastipur (Bihar) delivered the first lecture on the topic, "Making One Trillion Dollar Economy of U.P. - Potential of Agricultural Engineering Interventions" whereas Er R.K. Singh, Additional Director (Agriculture) delivered a lecture on the topic, "Boosting 1 Trillion US Dollar Economy of UP through FPOs".

**Annual General Body meeting** : Annual General Body meeting of the Chapter was held on 12.8.2023 after the Lecture Series IV. Various issues were discussed during the meeting.



## ISAE Happenings

### Activities of Lucknow Chapter

**Election of Executive Body of Lucknow Chapter of ISAE:** The election of Executive Body of Lucknow Chapter of ISAE was held and following were selected for different posts of Executive Body:

Name of post	Name of person elected
Patron	Dr R.C. Srivastava, Ex- Vice-Chancellor, RPCAU, Pusa, Samastipur (Bihar)
Chairperson	Er Neeraj Srivastava, Jt Director (Retd), Directorate of Agriculture, Lucknow
Vice-Chairperson (Technical)	Er R.K. Singh, Additional Director (Agriculture), Directorate of Agriculture, Lucknow
Vice-Chairperson (Activity)	Dr A.K. Singh, HoD, Agril Engg Division, ICAR-IISR, Lucknow
Secretary	Dr S.I. Anwar, Principal Scientist, ICAR-IISR, Lucknow
Jt Secretary-cum-Treasurer	Dr R.D. Singh, Principal Scientist, ICAR-IISR, Lucknow

Apart from above, following were elected as Councilors:

- Er B.P. Gupta, Technical Officer (TAC), Krishi Bhawan, Lucknow
- Dr Santosh Kumar Singh, Secretary, AFRC Technical Education, Lucknow
- Dr Anita Yadav, Sr Programme Manager, Gramin Foundation, Lucknow
- Dr Rajendra Gupta, Principal Scientist, ICAR-IISR, Lucknow

**Executive Body meeting :** Executive Body meeting of the Chapter was held on 01.09.2023 at ICAR-IISR, Lucknow in which handing/taking over by old/new executive members was done.

**Visit of Prof. I.M. Mishra :** Prof. I.M. Mishra, Vice-Chancellor, Marathwada Agricultural University, Parbhani (MS) visited Indian Institute of Sugarcane Research, Lucknow on 20.9.2023. He also visited Division of Agricultural Engineering where he was welcomed by the members of Executive Body of Lucknow Chapter of ISAE. He was briefed about the ongoing activities of the Chapter by the Vice-Chairman, Dr A.K. Singh. Prof. Mishra appreciated the work of the Chapter. Former Director, IISR, Dr A.D. Pathak was also present during the occasion.





## World Food Day, ISAE Varanasi Chapter

The World Food Day 2023 was organised by Department of Agricultural Engineering and ISAE Chapter Varanasi in the department of Agricultural Engineering, BHU on 16<sup>th</sup> October 2023. World Food Day, on 16 October, is about promoting worldwide awareness of hunger and promoting action for the future of food, people and the planet. In 2023, the focus is on taking water action in support of food systems. The theme of the programme was “Water is Life, Water is Food. Leave No One Behind”. This theme stresses the importance of water in sustaining life on earth, and its fundamental linkages to our food sources.

Major Points discussed:

- Low cost agricultural equipment for transplanting of paddy
- Water lifting for irrigation
- Farm Mechanisation
- New innovations in Agricultural development
- Development for small and marginal farmers

Head, Department of Agricultural Engineering, Professor V K Chandola welcomed the Guests and highlighted the importance of water conservation. All professors and Chief Guest Professor Ramesh Chand, Former Director, Institute of Agricultural Sciences, BHU, Varanasi shared their thoughts regarding the celebration of world food day each year.

Number of farmers participated in this program and shared their real experiences after using the low cost farm equipment and water lifting devices.

Students were also motivated to give new idea for the development of marginal farmers. Chapter President Prof. R.M. Singh has expressed thanks to every one for attending the program. The program was convened by Dr. V.K. Tripathi, Joint secretary cum treasurer.



Source: Dr. V K Tripathi



# Engineers Day Celebration

National Engineers' Day in India is celebrated every year on September 15 to commemorate the birth anniversary of Sir Mokshagundam Visvesvaraya, a renowned Indian engineer and statesman. In the field of engineering, Sir Visvesvaraya was a pioneer who significantly influenced the growth of India's infrastructure. He was instrumental in the development of dams, irrigation networks and other projects. On National Engineers' Day, we celebrate his legacy and the significant contributions that engineers have made to India's development and modernization. It serves as a reminder of the importance of engineering in the growth and development of the country.

## Engineers' Day significance

Engineers' Day is incredibly significant because it celebrates the dedication, creativity and achievements of engineers in society. It serves as a reminder of the crucial role engineers play in solving complicated problems, advancing technology and raising the standard of living for people around the world. Engineers' Day is a celebration of creativity and progress because it not only recognises the contributions of early engineers but also encourages current and future generations to keep pushing the boundaries.



**College of Agricultural Engineering and Post Harvest Technology  
(Central Agricultural University Imphal)  
Ranipool- 737135 (Sikkim)**

in collaboration with  
**The Institution of Engineers (India) Sikkim State Centre**  
and  
**Indian Society of Agricultural Engineers (ISAE) Sikkim Chapter**

cordially invites you in celebration of the


**56<sup>th</sup> Engineer's Day**

with a discussion on  
**"Engineer's Role for Better Society"**

Venue: **New Auditorium, CAEPHT, Ranipool, Gangtok, Sikkim**  
Date: **15<sup>th</sup> September 2023; Time: 11.00 AM onwards**

**The Engineers Day was celebrated in all the ISAE chapters across the country .**

On the Engineer's Day on 15<sup>th</sup> September 2023, Delhi Regional Board' of All India Manufacturer's Organization (AIMO), organized a National Conference on the topic, "Employment Generation in Present Economic Environment", at Apparel House, Institutional Area, Sector-44, Gurugram-122003, Haryana, to commemorate 163<sup>rd</sup> Birth Anniversary of AIMO founder Sir M. Visvesvaraya, who laid the foundation of modern India's engineering legacy and excellence.



**All India Manufacturers' Organisation**

Founded by Bharat Ratna Sir M. Visvesvaraya in 1941

**NATIONAL CONFERENCE ON ENGINEER'S DAY CELEBRATION**

**TOPIC : "EMPLOYMENT GENERATION IN PRESENT ECONOMIC ENVIRONMENT"**

**DATE: 15TH SEPTEMBER 2023 (FRIDAY); TIME: 10.00 AM**

**VENUE : APPAREL HOUSE, SECTOR 44, GURUGRAM, HARYANA**


**ABOUT ALL INDIA MANUFACTURERS' ORGANISATION (AIMO) :** It is our honour and delight to inform you that "AIMO" was founded by Bharat Ratna Dr. M. Visvesvaraya in 1941 with the motto "prosperity through industry", in order to enhance productivity, generate employment, and to usher in India an era of prosperity & plentifulness through industrial development. Established in 1941 to serve as a beacon of light to India's industry & technology, this prestigious organization "AIMO" had the privilege to be adored and led by India's leading icons of industry and stalwarts of technology & economic development. Few of the most important luminaries of AIMO were Shri Hansraj Gupta Ji, Shri B. D. Somani Ji, Shri K. N. Modi Ji, Dr. S. K. Somayaji Ji & Shri K. G. Khosla Ji.

**INVITATION:** All India Manufacturers' Organisation (AIMO) feels immense pleasure to invite you to the "National Conference on - Employment Generation in Present Economic Environment". This conference is being organized at Apparel House, Convention Centre, Institutional Area, Sector 44, Gurugram-122003, Haryana, at 10.00 am, on 15th September 2023, i.e. "Engineer's Day" to commemorate 163<sup>rd</sup> Birth Anniversary of our founder Sir M. Visvesvaraya, which will be followed by lunch. You are requested to kindly participate in this conference along with your friends & colleagues. We look forward to your gracious presence and your blessings for our protracted efforts.















Warm Regards,

**SUDHIR JHA**  
(NATIONAL CONVENER)

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**ORGANISING COMMITTEE**

 Rajiv Ranjan National President	 Vineet Singh Yadav Vice President (S&E)	 Gopi Kapoor Gen. Secretary (S&E)	 R. Rasthadrathan National General Secretary
 Pradeep Yadav Vice President (S&E)	 CS Anand Jha Vice Member (S&E)	 Rajiv Chugh Vice Member (S&E)	 S S Kapoor Vice Member (S&E)
 Naveen Mehta Vice Member (S&E)	 Amit Chaudhary Vice Member (S&E)	 Vishal Yadav Vice Member (S&E)	 Himanshu Bagar Vice Member (S&E)
			 Ravinder Singh Chairman - Delhi Region Board
			 Himanshu Bagar Secretary (S&E)
			 Himanshu Bagar Vice Member (S&E)
			 Ravinder Singh Vice Member (S&E)



## VL Millet Thresher cum pearler's Demonstration & Distribution Programme

A Millet Threshers Demonstration & Distribution Programme and Farmer-Scientist Interaction was organized by ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora at KVK, Tawang in district Tawang in collaboration with KVK, Tawang, under NEH Programme of Indian Council of Agricultural Research (ICAR) to mark the International Year of Millets 2023. The programme was attended by 20 farmers of villages Bleting, Buri, Gipsu, Kharteng, Kitpi, Lumtsang, Namet, Shakti and Shernup. Dr. Lakshmi Kant, Director, ICAR-VPKAS briefed about the initiatives taken by ICAR-VPKAS for promotion of finger millet in the district, specifically mentioning the successful adoption of early maturing and high yielding finger millet variety VL Mandua 376 in the district and the efforts being made to extend it further through farmer participatory seed production. Further, highlighting the drawbacks of the traditional methods of millet threshing, he explained the advantages of VL Millet Thresher-cum-Pearler in terms of saving time and labour, and reducing drudgery. He requested Sh Darang to include the millet thresher in state government's subsidy schemes to help the thresher reach a larger number of farmers in the district. District Agriculture Officer Sh T Bam offered to extend help from the department in making new agricultural technologies accessible to the farmers and in addressing their agriculture related problems. The functioning of VL Millet Thresher-cum-Pearler was demonstrated by Er Hitesh Bijarniya to the farmers and, thereafter, 13 threshers were distributed by Dr Lakshmi Kant and DC Tawang to the farmers for community use.

**About VL Millet Thresher-cum-Pearler:** VL Millet Thresher-cum-Pearler has been developed by Dr K P Singh, Dr S Kundu and Dr H S Gupta at ICAR-VPKAS, Almora for drudgery reduction, time saving and reduced labour requirements for hill farmers. This machine received the Meritorious Invention Award of National Research and Development Corporation in 2006.



- <https://arunachaltimes.in/index.php/2023/10/13/millet-thresher-demo-and-distribution-prog/>
- <https://himshikharexpress.com/by-vivekanand-institute-of-agricultural-research-almora-a-display-and-distribution-programme-of-madu-madera-thresher-was-organized/>
- <https://krishijagran.com/news/icar-conduct-millet-thresher-and-distribution-program-with-kvk-tawang/>
- <https://arunachal24.in/arunachal-millet-threshers-demonstration-distribution-programme/>

Source: Er. Bijarniya



## Visit of Hon'ble Vice President to NSC Farm

Hon'ble Vice President of India visited the National Seeds Corporation's Farm (Central State Farm), Suratgarh. This Central State Farm was established in August 1956, and presently it is a unit of National Seed Corporation. More than 600 varieties of improved seeds of 60 crops are being produced in the NSC farm area.

During the visit Farmers, FPOs, Agriculture Students and Scientific were invited. Farm machinery demonstration and seed stall was also arranged on the day.

Hon'ble Vice President while speaking to FPO and Farmers said "The condition of the farmers is in our hearts and minds. Understand his problem and will do everything for him. This farmer's son gives you full assurance that I will continue on the path of duty for agriculture and farmers, and will continue to do so without any interruption. I do not need anyone's permission to meet the farmer and improve his condition.





# Dr. S N Jha, Raised the issue of of Directorate of Agricultural Engineering, at ICAR-CIPHET Ludhiana

Dr. SN Jha, DDG (Engg.) ICAR & President ISAE visited Punjab and had a meeting with Chapter's member including Dean of CAE, Ludhiana at Ludhiana. During this several issues were raised and discussed for solutions.

A press conference was also conducted in ICAR-CIPHET and issue of Directorate of Agricultural Engineering was raised. All leading Newspapers/electronic media printed the same in National page.

Dr. Jha, also met Hon'ble VC PAU Ludhiana and requested him to pursue the state Government for Directorate of Agricultural Engineering, which was accepted and promised to do the same.

**पंजाब जागरण**

## विशेषज्ञ बोले, पराली प्रबंधन के लिए कृषि इंजीनियरों को नियुक्त करे पंजाब सरकार

**जागरण संवाददाता, लुधियाना :** इंडियन काउंसिल ऑफ एग्रिकल्चर रिसर्च (आइसीएआर) के उप महानिदेशक डॉ. एसएन झा ने कहा कि पराली के प्रबंधन के लिए पंजाब सरकार कृषि इंजीनियरों को नियुक्त करे। उन्होंने कहा कि किसानों को पराली संबंधी मशीनों को चलाने की पूरी जानकारी नहीं है जिससे प्रदेश में पराली जलाने की घटनाएं नहीं रुक रहीं हैं। ऐसे में यह कृषि इंजीनियर किसानों को मशीनों को पूरी जानकारी दे दें। झा मंगलवार को आइसीएआर सेट्टल इंस्टीट्यूट ऑफ पोस्ट-हार्वैस्ट इंजीनियरिंग एंड टेक्नोलॉजी (सीफेट) में आयोजित कृषि प्रसंस्करण उद्योग इंटरफेस एवं किसान मेले में बतौर मुख्यातिथि पहुंचे थे।

उन्होंने कहा कि केंद्र सरकार की ओर से पिछले कुछ वर्षों से पराली प्रबंधन के लिए मशीनों पर वित्तीय सहायता उपलब्ध कराई जा रही है। उक्त वित्तीय सहायता से पंजाब में पराली प्रबंधन को लेकर बढ़ी संख्या में मशीनों उपलब्ध कराई गई है, लेकिन इसके बावजूद भी पराली जल रही है। इसे लेकर अकसर केंद्र सरकार की राज्यों के साथ होने वाली बैठक में सवाल उठता रहा है कि आखिर लाखों की संख्या में मशीनें होने के बाद भी बड़े स्तर पर पराली का प्रबंधन क्यों नहीं हो रहा। इसके पीछे एक वजह समझ आई कि कहीं न कहीं उक्त मशीनों के इस्तेमाल को लेकर किसानों के पास पूरी जानकारी नहीं है। ऐसे में पंजाब सरकार से आग्रह है कि ब्लाक स्तर पर हरेक जिले में कृषि इंजीनियरों को नियुक्त कर आराम से इन कृषि इंजीनियरों के जरिए चार से पांच गांवों के किसानों का ग्रुप बनाकर पराली प्रबंधन को लेकर मशीनों की पूरी जानकारी दें।

सरकार से यह भी अनुरोध है कि वह प्रदेश में कृषि इंजीनियरिंग निदेशालय (डायरेक्टरेट ऑफ एग्रिकल्चरल इंजीनियरिंग) स्थापित करे। इस दौरान पीएचू के वीसी डॉ. स्तबीर सिंह गोसल, आइसीएआर अटॉरी जीन एक के डायरेक्टर डॉ. परबेंद्र श्योराण, सीफेट के डायरेक्टर डॉ. निचकैत कोतियाले भी मौजूद थे।

डॉ. एसएन झा ने कहा कि पिछले किसान मेले में कृषि मंत्री ने कृषि इंजीनियरिंग निदेशालय स्थापित करने की बात कही थी। अभी इस दिशा में कुछ नहीं हुआ है। इस संबंध में अगस्त में केंद्रीय कृषि मंत्री नरेंद्र सिंह तोमर ने मुख्यमंत्री भगत मान को पत्र भी लिखा था।

संपादकीय  
» पंजाब जागरण

{ KISAN MELA INAUGURATED. } Hindustan Times 04/10/2023 Ludhiana

# Agri-engg units crucial to boost mechanisation, says ICAR DDG

**HT Correspondent**  
ludhiana@hindustantimes.com

**LUDHIANA:** Establishment of a directorate of agricultural engineering in each state is crucial for accelerating agricultural mechanisation, enhancing food security and increasing farmers' income, said SN Jha, deputy director general (agricultural engineering) ICAR, during the inauguration of CIPHET-IIFA 2023, an industry interface fair on agro-processing, and Kisan Mela in Ludhiana on Tuesday.

With an aim to foster collaboration between the agricultural processing and farming communities, the Central Institute of Post-Harvest Engineering and Technology (CIPHET) inaugurated CIPHET-IIFA 2023, as part of its 35th Foundation Day celebration.

The event witnessed the presence of dignitaries, including Jha, as the chief guest, and Satbir Singh Gosal, vice-chancellor (V-C) of Punjab Agricultural University (PAU) as the guest of honour.

Jha said, "The central government has been providing financial assistance for stubble management machinery for some time now. Despite this, stubble burning continues to be a problem in Punjab. One reason for this is the lack of knowledge among farmers regarding the proper use of these machines. In light of this, the Punjab government is recommended to appoint agricultural engineers at the block level in every district as soon as possible."

Jha also stressed the need for the Punjab government to establish a directorate of agricultural engineering, stating, "In the last Kisan Mela at PAU, the agriculture minister spoke about setting up the directorate of agricultural engineering. However, there has been no progress in this regard so far. In August, union agriculture and farmers welfare minister Narendra Singh Tomar wrote a letter to chief minister Bhagwant Mann urg-

**CIPHET-IIFA & KISAN MELA 2023 AIMS TO FOSTER COLLAB BETWEEN AGRICULTURAL PROCESSING AND FARMING COMMUNITIES**

ing the creation of the directorate of agricultural engineering and the appointment of agricultural engineering officers at the district and block levels in Punjab.

In the event, which will conclude on Thursday, several premier institutions collaborated with farmers and entrepreneurs to showcase over 80 stalls featuring post-harvest and value-added technologies. Various value-added products, including gluten-free bakery items, extruded snacks, and innovative millet-based products, were also put on display. Notable achievements include the licensing of the "buckwheat dehuller" technology to a Ludhiana-based firm and MoUs for incubating technologies related to "makhana-based pasta production" and "Kodo millet processing."



## International Workshop on Food Loss and Waste Prevention in South Asian Region - Inauguration

The International Workshop on Food Loss and Waste Prevention in South Asian Region organized jointly by The Indian Council of Agriculture Research and the Thünen Institute, Germany commenced on 30<sup>th</sup> Oct. 2023 in the AP Shinde Hall at National Agricultural Science Complex, New Delhi. Sushri Shobha Karandlaje, Hon. Minister of State for Agriculture and Farmers' Welfare inaugurated the workshop, in presence of Dr. SK Chaudhari, Deputy Director General (NRM) - ICAR, Dr. Stefan Lange, Research Director, Thünen Institute, Germany, Dr. SN Jha, Deputy Director General (Ag. Engg.) - ICAR and around 120 delegates from India, Bangladesh, Bhutan, France, Germany, Indonesia, Nepal, and Sri Lanka.

Dr. Chaudhari deliberated that the ever-increasing human population throughout the world, particularly in the developing and undeveloped countries, is posing serious challenge to provide safe and quality food to the masses. Increasing agricultural production along with appropriate distribution through technological interventions is one way to meet the additional food demand. Another major step could be by saving the produced commodities from losses in fields, transport, storage, retailing, processing etc. without straining the fields, water and environment. Further, non-consumption or throwing the food after processing and value addition creates serious social, economic and environmental concerns. This kind of wastage is simply not acceptable as millions go to bed hungry every night globally. He hoped that the workshop will come out strict and stringent guidelines to achieve the sustainable development goals.

Dr. SN Jha, Deputy Director General (Ag. Engg.), ICAR also welcomed all the guests and delegates and informed the house that Post-harvest losses and Food Waste varies among geographies in the world. It largely depends on the crops and commodities, duration of storage, climate, technological interventions, human behavior, traditions etc. During the G20-MACS held in Varanasi, India during April 2023; a bilateral meeting was held between India and Germany in which both the countries decided to organize a regional workshop to address the challenges of Food Loss and Waste understanding that despite the abundant agricultural production, a substantial amount of food is lost or wasted throughout the food supply chain, from production to consumption, and impacts food security and availability, environment, economy and the society; this hold higher significance for South Asian Region, which is a major food producer as well as consumer of food. He shared that around 74 million tonnes of food is lost in India every year, which, if saved, can make many people richer.





## International Workshop on Food Loss and Waste Prevention in South Asian Region - Inauguration

Dr. Stefan Lange emphasised that mitigating and preventing food loss and food waste is the biggest and most effective lever to ensure that food reaches to the needy. He opined that major efforts are being made to increase production as sustainably as possible through optimized soil and water management, plant and animal breeding, better feed conversion, improved fertilization, more efficient organic farming, control of transboundary plant and animal diseases, etc., in order to produce more food with limited resources and on limited arable land. But none of these above efforts and technologies - and hardly all of them together - can even come close to reducing the gap we face from food losses and waste: worldwide. So, we should be aware that we have by far the greatest leverage to achieve our goals by using the food we already produce today as loss-free as possible. He further informed that a "Collaboration Initiative on Food Losses & Food Wastes" has been functioning to promote the global exchange of research results and practical experience in fighting food losses and waste. He urged all the stakeholders (scientist, policy makers, consumers, etc.) to play an active role in curbing the food loss and waste. He hoped that the Govt. of India can play a vital role in influencing all neighbouring countries in initiating individual as well as collaborative efforts to curb food loss and waste.

Ms. Clementine O'Connor of United Nations Environment Programme, France deliberated upon Food losses and waste metrics and its effect on sustainability of agriculture and environment. She also pointed out that pandemic, climate change and wars also have serious bearing on food loss and waste. She emphasised for policy development to ensure learning and sharing of the best practices across the globe and to create awareness among consumers. She reminded that only a few years are left to achieve the sustainable development of goal 12.3 to reduce the food losses to half by 2030.

Speaking on this occasion, the Hon. Minister of State for Agriculture and Farmers' welfare appreciated the efforts made by ICAR and Thünen Institute, Germany to address an important social and economic issue concerning both to the farmers and the consumers. She stated that approximately 3 billion tonnes of food go waste across the globe. She outlined the scale of problem of food loss and waste. She opined that the proven technologies and practices of developed as well as developing countries should be brought forward so that the losses and wastage across the globe could be reduced using methods acceptable to the society. She also emphasised that the social organizations need to play a vital role in spreading awareness among various stakeholders and also should practice the methods so as to minimise food waste. She also pointed out that loss of food is not only a direct loss to the consumers but also has bearings on environment and supporting economies. She informed that the south Asia a major producer as well as consumer of food and it is our moral responsibility as well as economic necessity to reduce the food loss and waste.

She called to identify the primary reasons of food loss and waste; education and awareness among all the stakeholders; efficient harvest and storage; smart distribution; industry involvement; donation and food banks; innovation in food packaging; and consumer responsibility, etc. She emphasized that wasting food is a crime and exhorted all to teach our children the importance of not wasting food. She was hopeful that the three-days workshop would help us plan and act together to arrive at some meaningful policy.

**All the delegates took a pledge during this session to prevent food loss and waste in families, offices, industries, society and communities.**



## Hon'ble President Draupadi Murmu inaugurated the Global Seminar on Farmers' Rights in New Delhi

Hon'ble President Mrs. Draupadi Murmu inaugurated the four-day global seminar on farmers' rights in Pusa, New Delhi on 12th September. Union Agriculture Minister Mr. Narendra Singh Tomar presided over the function. On this occasion, 26 Plant Genome Patron Awards were given to farmers and organizations in various categories. On this occasion, the President inaugurated the Plant Authority Building and launched the online portal for registration of plant varieties. The President inaugurated the exhibition here and also visited it with the ministers. In the program, Union Minister of State for Agriculture Mr. Kailash Chaudhary, Secretary Mr. Manoj Ahuja, Director General of ICAR Dr. Himanshu Pathak, Dr. Trilochan Mahapatra, Chairman, Protection of Plant Varieties and Farmers' Rights Authority (PPVFRA), Dr. Kent Nandoji, Secretary, ITPGRFA, Mr. Takayuki, India Representative of FAO, Dr. R.S., former DG, ICAR. Parodha, diplomats, representatives of treaty contracting countries, farmers, scientists, officials of agriculture related organizations were also present.

In her address on the occasion of the global seminar organized by International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA), Food and Agriculture Organization (FAO), Rome and Union Ministry of Agriculture Mrs. Murmu said that India's rich agriculture - Biodiversity has been a treasure for the global community. Our farmers have worked hard and enterprisingly to conserve local plant varieties, domesticate wild plants and nurture traditional varieties, which have provided the basis for various crop breeding programmes. This has ensured food and nutritional security for humans and animals. By preserving and nurturing biodiversity, the farming community is not only helping humanity, rather, they are saving the entire planet. He said that the crop varieties of a particular region are deeply connected to the society and culture, they also have medicinal properties





## Hon'ble President Draupadi Murmu inaugurated the Global Seminar on Farmers' Rights in New Delhi

Mrs. Murmu expressed happiness that ITPGRFA chose India as the venue for the first global symposium on farmers' rights, it is appropriate because India is an ancient civilization, where our traditions, culture and agriculture are part of the same. This is the land that has imbibed the concept of "Vasudhaiva Kutumbakam" through the ages. In biodiversity, India is one of the countries blessed with the widest range of plants and species. The efforts of our agro-biodiversity custodians and hardworking farmers, scientists and policy makers, coupled with government support, have played an important role in accelerating several agricultural revolutions in the country. For the first time it called for guaranteeing food security through the conservation, exchange and sustainable use of the world's plant genetic resources for food and agriculture. India played a leading role in introducing the Protection of Plant Diversity and Farmers Rights Act (PPVFR)- 2001, which is linked to the International Treaty on Plant Genetic Resources for Food and Agriculture, for the protection of our farmers.

Union Agriculture Minister Mr. Tomar said that agro-biodiversity conservation is not just a duty, but is a vital necessity for the survival of the ecosystem, the Government of India remains steadfast in its commitment towards this objective. This fact is very clearly underlined by the national law enacted by the Indian Parliament as the Protection of Plant Diversity and Farmers' Rights Act- 2001. Since the enactment of this law, The Government of India has worked diligently to ensure its compliance with the provisions of the law. He said that one of the features of India's plant variety protection framework is its focus on farmers' rights. This Act recognizes the invaluable role of farmers in the conservation and development of plant genetic resources through the continuous efforts of generations of farmers. This Act gives the farmers the right to preserve, use, share and sell the seeds saved in the field. This provision empowers farmers to actively participate in the agricultural value chain while preserving their autonomy while promoting local knowledge and innovation

### Achievements

#### **Dr. Smita N. Solanki, Head Department of FMP Engineering & Research Engineer AICRP, Recived Prani Mitra Award.**

The Animal Welfare Board of India (AWBI), a statutory body of Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India celebrated the World Animal Day 2023 at New Delhi on 4<sup>th</sup> Oct. 2023. The Union Minister of Fisheries, Animal Husbandry and Dairying, Shri Parshottam Rupala and the Minister of State of Ministry of Fisheries, Animal Husbandry and Dairying, Dr. Sanjeev Balyan graced the occasion.

During the occasion Dr. Smita N. Solanki, Head Department of Farm Machinery and Power Engineering & Research Engineer AICRP was awarded with Prani Mitra award





## Up coming Events

# Ministry of Agriculture & Farmers Welfare Hosting A National Level Hackathon

The Theme of The Hackathon is – “Revamp crop yield estimation via remote sensing, machine learning, and data analytics in this hackathon, aiming for sustainable farming by replacing labor intensive methods and addressing crop types and environmental variables.”

### Problem Statement for Crop Survey Hackathon

1. Creating an Effective Crop Assessment Tool Using Geospatial Technology
2. AI-ML Decision System for Efficient Farming using Crop Survey Data
3. Predictive Analytics for Future Crop Yields from Survey Data
4. Automated Crop Identification System for Accurate Field Analysis
5. Robust Data System for Digital Crop Surveys in Low-Tech Farming
6. Innovative Drone Tech for Advanced Digital Crop Survey
7. 5G Enabled Automated drone equipped with multispectral camera and others sensors for crop surveying, pest detection, Topographical Mapping, Drought Assessment, Harvesting support.
8. 5G enabled Drone with higher payload capability for Precision spraying (post to the survey/during survey)
9. 5G enabled AI powered wireless Camera Monitoring Crops/insects/pests : Insect recognition, Fruit detection, Anomaly detection during phenophases, actionable insights



Ministry of Agriculture & Farmers Welfare  
Hosting A National Level Hackathon

**Theme** } Revamp crop yield estimation via remote sensing, machine learning, and data analytics in this hackathon, aiming for sustainable farming by replacing labor-intensive methods and addressing crop types and environmental variables.

**UNLEASH INNOVATION AT THE DIGITAL CROP SURVEY HACKATHON**

**REGISTRATION**  
15th September to 10th October 2023

**Apply Now**

**Eligibility criteria**  
Students/faculties/innovators from any university/technical institution across the country can participate in the form of a group of up to 4 team members (maximum). Participation of at least one student in each group is mandatory.

**Team structure**  
This group will comprise a maximum of 4 participants, with not more than one faculty member and/or more than one innovator or entrepreneur. Participating students can collaborate with local start-ups/industry, students from universities, and technological institutes.

**Awards**

1	5,00,000
2	3,00,000
3	1,00,000

**Stay Tuned**

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## Up coming Events

TIFAN stands for “Technology Innovation Forum for Agricultural Nurturing”. It is an initiative by SAEINDIA (Society of Automotive Engineers) which is an international organization. SAEINDIA was started in 1994 and has been working towards the development of the automotive industry in India. TIFAN is a student competition program that aims to promote innovation and technology in agriculture. The program is designed to encourage students to come up with innovative solutions that can help improve the agricultural sector in India.

SAEINDIA is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners, the ownership of SAEINDIA lies with its members who are Individuals from the mobility community, which includes Engineers Executives from Industry, Government Officials, Academics and Students.

SAEINDIA is a strategic alliance partner of SAE International registered in India as an Indian nonprofit engineering and scientific society dedicated to the advancement of the mobility industry in India

**SAEINDIA TIFAN 2024**  
6<sup>th</sup> Edition  
TECHNOLOGY INNOVATION FORUM FOR AGRICULTURAL NURTURING  
Theme: Automated Vegetable Transplanter (Tractor Pulled Equipment)  
APRIL 2024  
REGISTER NOW!  
Cultivate Innovations Competition for Students  
SPECIAL OFFER Women Students  
EARLY BIRD DISCOUNT (limited period)  
COME, ASPIRE & TRANSFORM

**TIFAN2024**  
COME, ASPIRE & TRANSFORM

**Laying out a Vision**

- Workshop from Industry Leads
- System-level and part-level readiness
- High-level Plan on Technology implementation based on Rulebook.

**Phase 1 Preliminary Round**  
Presentation by each Team on prototype design concepts chosen, validation reports using analytical tools (especially on Design), understanding on working principles based on rule book, emphasize on technology project plan, Design readiness and development documentation.

**Virtual Presentation Round**

- Workshop from Industry leads and/or Webinar support.
- Emphasis on Design Estimates & Early Analysis Results (FEA/CFD etc.)
- Sales and Marketing Plan
- Cost Planning
- Technical Inspection Sheet based on Rulebook.

**Phase 2 Virtual Presentation round**  
Presentation by each team to demonstrate results verification & validation outcomes for prototype designs of the machines, Sales, & Marketing pitch, focus on Cost cutting options considered upon analysis outcomes & other confirmatory checks shown based on Rulebook.

**Physical Round**

- Static and Dynamic Evaluation
- Actual Cost Reports
- Serviceability and Safety Inspections
- Maneuverability test
- Demonstration of Actual machines to judges and panel

Final Show and Tell of the machine in front of judges & panel. An opportunity to connect with leaders and sponsors connect at the final place of the competition.

**Key Event Dates**

Key Event	Date
Registration open	Jul 5, 2023
Registration close	Sep 15, 2023
Phase 1: Design Report submission by students	Oct 2023
Phase 1: Presentation Submission	Oct 2023
Phase 1: Students present designs to Judges (Industry and Academic experts)	Oct 2023
Phase 1: Judges review reports & finalize scores	Oct 2023
Shortlisted team announcement as per the minimum score criteria	Nov 2023
Phase 2: Virtual Presentation round	Apr 2024
Phase 3: Physical Round & Awards Ceremony Date	Apr 2024

**SAEINDIA TIFAN – AWARDS**

Category	Prize Amount
TIFAN Overall Winner	Rs. 1,50,000
<b>TIFAN Zonal Award</b>	
Zonal Winner	Rs. 1,00,000
1st Runner Up Team	Rs. 75,000
2nd Runner Up Team	Rs. 50,000
Best Design & Innovation	Rs. 25,000
Best Cost	Rs. 25,000
Best Sales and Marketing	Rs. 25,000
Best Working Principles	Rs. 25,000

Source - <https://saeindia.org/tifan/>



## Up coming Events


### National Seminar on “Agricultural Engineering Technologies in Cotton Processing and Farmers’ Benefit”, ISAE Mumbai Chapter

ISAE Mumbai Chapter in collaboration with ICAR-CIRCOT, Mumbai, is organizing a National Seminar on **Agricultural Engineering Technologies in Cotton Processing and Farmers’ Benefit** on 3<sup>rd</sup> November 2023.

The theme of the seminar is very apt in the present situation because India is the largest producer of cotton from the largest area. In the given conditions, the Government is pushing, encouraging the farmers and their SHGs, FPOs and FPCs to venture into cotton production and processing. In this backdrop, cotton processing technologies available in India are very much needed to be make aware the stakeholders, especially farmers. Hence this seminar is organised for the benefit of the stakeholders.

All the esteemed Members of ISAE, are requested to mark the presence on this occasion. It is also requested to inform other friend/colleagues Agrineers, who desire to attend the seminar to make it a great success.


On behalf of Dr. G. R. Anap, Chairman, ISAE Mumbai Chapter, all Agrineers are cordially invited for the seminar.



**Indian Society of Agricultural Engineers**  
(A Society Registered under the Societies Registration Act XXI of 1860)

**Mumbai Chapter**

C/o ICAR - Central Institute for Research on Cotton Technology (CIRCOT)  
Adenwala Road, Matunga, Mumbai-400 019, Maharashtra, India  
Tel: 022-24184242/74/5 Fax: 022-24130835 Email: isaemumbai1@gmail.com



**National Seminar on**  
**“Agricultural Engineering Technologies in Cotton Processing for**  
**Farmers’ Benefit”**

**3<sup>rd</sup> November 2023 ( at 10 A.M.)**

Organised By  
**ISAE Mumbai Chapter**

in collaboration with  
**ICAR - Central Institute for Research on Cotton Technology (CIRCOT),**  
**Mumbai**

**Venue:**  
**ICAR-CIRCOT, Adenwala Road, Matunga, Mumbai**

The Theme : India is the largest producer of cotton from the largest area. In the given conditions, the Government is pushing, encouraging the farmers and their SHGs, FPOs and FPCs to venture into cotton production and processing. In this backdrop, cotton processing technologies available in India are very much needed to be make aware the stakeholders, especially farmers. This seminar is organised for the benefit of the stakeholders.

**For Registration**

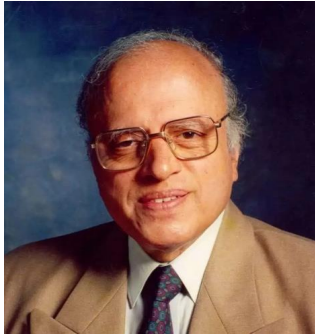
Please Fill-in Registration Form <https://forms.gle/kuQuBy2ysTVQ7kVA>

OR

Please confirm with  
Dr. P. S. Deshmukh, Secretary, ISAE Mumbai Chapter  
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Email: isaemumbai1@gmail.com



## In Memoriam – Dr. M S Swaminathan



**Dr. M S Swaminathan**

(Father of India's Green Revolution)

*“If Agriculture Fails, Everything Else  
Will Fail”*

Dr. M.S. Swaminathan, born on 7<sup>th</sup> August 1925, is popularly known as the Father of Green Revolution in India. He is the Founder Chairman, Emeritus Chairman and Chief Mentor of the M. S. Swaminathan Research Foundation (MSSRF) at Chennai, which he founded in 1988. Dr. Swaminathan obtained a B.Sc. degree in Zoology from the Maharajas College in Thiruvananthapuram, and also in Agricultural Sciences from the Coimbatore Agricultural College. Subsequently, he received M.Sc. degree in Agricultural Sciences (specializing in genetics and plant breeding) from the Indian Agricultural Research Institute (IARI) in 1949 and Ph.D. degree from Cambridge University, UK in 1952.

Dr. Swaminathan joined the faculty of IARI, New Delhi, in 1954. He became the Director of IARI (1961-72), Director General of Indian Council of Agricultural Research (ICAR) and Secretary to the Government of India, Department of Agricultural Research and Education (1972-79), Principal Secretary in the Ministry of Agriculture (1979-80), Acting Deputy Chairman and later Member (Science and Agriculture), Planning Commission (1980-82), and Director General, International Rice Research Institute, the Philippines (1982-88).

A plant geneticist by training, Dr. Swaminathan has made a stellar contribution to the agricultural renaissance of India, and is widely regarded as the scientific leader of India's green revolution movement. His advocacy of sustainable agriculture leading to an evergreen revolution makes him an acknowledged world leader in the field of sustainable food security. The International Association of Women and Development conferred on him the first international award for significant contributions to promoting the knowledge, skill, and technological empowerment of women in agriculture, and for his pioneering role in mainstreaming gender considerations in agriculture and rural development. Dr. Swaminathan has received numerous awards and honours, including the S.S. Bhatnagar Award for his contribution to biological sciences (1961), Ramon Magsaysay Award for Community Leadership in 1971, the Albert Einstein World Science Award in 1986, the first World Food Prize in 1987, the Indira Gandhi Prize for Peace, Disarmament and Development, the Franklin D. Roosevelt Four Freedoms Medal and the Mahatma Gandhi Prize of UNESCO in 2000, and the Lal Bahadur Shastri National Award in 2007. Dr. Swaminathan is a proud recipient of some of India's highest honours including Padma Shri (1967), Padma Bhushan (1972) and Padma Vibhushan (1989). He is a Fellow of many of the leading scientific academies of India and the world, including the Royal Society of London and the US National Academy of Sciences. He has received 81 honorary doctorate degrees from universities around the world. He was a Member of the Parliament of India (Rajya Sabha) for the period 2007-13. He also chairs the Task Force set up by the Ministry of External Affairs to oversee the projects undertaken in Afghanistan and Myanmar in the field of agriculture and was elected the “Living Legend of International Union of Nutrition Sciences” at the 20th International Congress of Nutrition held at Granada, Spain.

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