

e-NEWSLETTER INDIAN SOCIETY OF AGRICULTURAL ENGINEERS

.... Connecting Engineers in Agriculture

Nov. - Dec. 2025



7000 + Members

36 Chapters

3 Scientific Publications

Published by
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Message From The President



My Dear ISAE members and all stakeholders! First of all, I along with all members and staff of ISAE Wish You All a **Very Happy and Glorious New Year 2026!** The last month of the Indian Society of Agricultural Engineers (ISAE) was having a momentous month organizing highly successful the **59th** ISAE Convention and International Symposium and a vibrant Annual General Body meeting (AGBM). The Society also conferred various awards and recognitions to our members using online award application/nomination module first time. We congratulate all winners from our core of hearts. Participation of industries in large number and giving recognition/appreciation certificates to them was also a new Initiative.

Dear members! Our ISAE is getting recognition worldwide as well as at National level. We signed MoU with APEDA for collaborative activities and for sharing information. In UN-ESCAP CSAM meeting in Lao Republic I suggested them to collaborate with ISAE and likeminded societies of CSAM member countries and the same was agreed upon. We had two executive committee meetings, one council meeting and AGBM each during the period of this e-newsletter and several important decisions were taken to further raise the bar of standard and functioning of the society.

Dear ISAEians! The citations of our journal JAEI is rocking. Citations in **2025** were than **600** and total number of papers published is **78**. We have made Google scholar page for Agricultural Engineering Today (AET) as well in this month and you will be happy to note that citations of AET, though it is now magazine, is quite handsome. Now whenever citations of papers/article published in our journal/magazine we can know citations immediately. The society's publications' citations are progressing leaps and bounds. We are getting benefits of citations. I therefore request and recommend all potential authors to submit articles in these most prestigious publications of ISAE.

Friends! The dates for our CIGR conference **2028** is now final and it is being advertised through various media. Its website www.cigr2028.org is ready to visit. We had review meeting with CIGR officials in their board meeting on **18th December 2025**.

Dear Agineers! Efforts for establishing directorate/Department of Agricultural Engineering is progressing with its own pace. We are getting response of letter written by HAM to all state Government. Some states are getting speed while others need further push up. Some states have taken new initiatives such as Bihar has restructured cadres and probably has given DDO power to Agricultural Engineering officers in district level, while J & K has reorganized form Board of Command Area development authority with major stake of Agricultural Engineers. A special letter by Secretary DARE and DG ICAR has also been written to Chief Secretary Punjab for accelerating the process of establishing Directorate of Agricultural Engineering

Friends! All activities of the society are progressing well and participations of majority of members will further give speed and scale. Society is yours, without your participation in all activities in large numbers its acceleration may get changed to retardation. I therefore personally, whoever whatever from anywhere to contribute. Persuasion for Directorate at local level, timely and quality review of research papers, contributions of articles in our publications, gathering advertisements for AET and e-newsletter, conducting workshop/seminar using ISAE banners are some of continuous activities where your participations are essential to progress the society to a newer height. Jai Hind! Jai Bharat!

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) has moved to a new phase of its development, with several steps taken by the EC for betterment of the Society and expanded the activities. The Indian Society of Agricultural Engineers (ISAE) worked hard in year 2025, and will continuously work hard for betterment of agriculture profession, growing reputation and reach to Agricultural Engineering professionals/ Agrineers in the coming year.

This newsletter is featured with glimpses of efforts made through activities and advancement in the field of agricultural engineering conducted during this period of Nov.–Dec. 2025, especially the glimpse of 59th Annual Convention and International Symposium held at CIAE Bhopal are presented in this newsletter highlighting the grand success of the event.

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

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

With our best wishes for a constructive and fruitful New Year 2026.

Chandra Shekhar
Chief Editor



e-Newsletter Editorial Board



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Contents

- 1** ISAE Happenings
- 2** 59th Annual Convention of ISAE
- 3** ISAE Awards - 2025
- 4** Announcement of 7th CIGR International Conference 2028
- 5** 9th Eima Agrimach India 2025
- 6** Union Agriculture Minister holds bilateral meeting with Russian counterpart to deepen India–Russia cooperation in the sector
- 7** Growth of Agri-Tech Startups and Digital Agriculture Mission
- 8** AI-Based Weather Forecasting Initiatives for Farmers
- 9** New members

ISAE Happenings

9th ISAE Executive Committee meeting held on 13 Dec. 2025

The 9th ISAE Executive Committee meeting was held on 13th Dec, 2025 at 3:30 pm in Zoom platform. The Secretary General welcomed all members of the Executive Committee members and presented the Action Taken Report from the previous meeting, informing the committee that ISAE HQ had received calendars from the printer. Chapters may collect these from HQ for distribution to members who need them. He also noted that proceedings from the previous Executive Council and General Body meetings would be circulated soon to all concerned.

1. Feedback on Recently Concluded Convocation – The President sought feedback on the recently concluded convocation. Dr. S. Manivannan, Vice-President (Activity Council) expressed overwhelming appreciation for the convention, commending the Bhopal Chapter for their meticulous organization and outstanding execution. He emphasized settling the event accounts per bye-law timelines. He also confirmed discussing this with the Convenor, who assured submission of accounts with all required documents. Dr. Athul Mohod, Vice-President (Technical Council) also praised the organizers for a well-managed event.
2. Website Management and Conference Portal – The Secretary General highlighted issues in the online membership module requiring resolution for a smoother user experience. The President proposed developing an ISAE-owned conference management portal for ISAE conventions and other events. The current web developer quoted ₹90,000 - ₹1,50,000 depending on requirements. The committee decided to negotiate with the developer and proceed. A separate bank account in the name of "ISAE Conference" shall be opened for ease of management and better accountability of conference/event related transactions.
3. AET Journal Updates – Back volumes of the AET journal need uploading. The President noted JAE(India)'s visibility on Google Scholar and expressed satisfaction with its rising citations. He raised concerns about AET's lack of visibility there; the web management team will be tasked to resolve this.
4. Representation to UPSC – The Secretary General reported receiving letters from several chapters requesting inclusion of Agricultural Engineering as a subject in UPSC exams. After discussion, the President assured a representation letter would be sent from higher authorities of the Council/Ministry to the UPSC board.
5. CIGR-2028 Conference Preparations – The President urged intensifying preparations for the CIGR-2028 conference with rigorous, aggressive promotion. Dr. Devinder Dhingra provided an update: an exclusive website has been created, and the first circular published. For website security issues, security certificates need purchase and installation. The EC approved this, requesting Dr. Dhingra to handle it and submit bills for reimbursement. The President stressed securing the site before December 28, ahead of the CIGR team review meeting, and asked Dr. Dhingra to prepare a brief presentation. The EC advised revising the organizing team to include current Executive Committee/Council and local chapter members. Bimonthly organizing committee meetings were proposed for progress reviews. Exploring notification on the ICAR webpage was suggested for wider visibility.

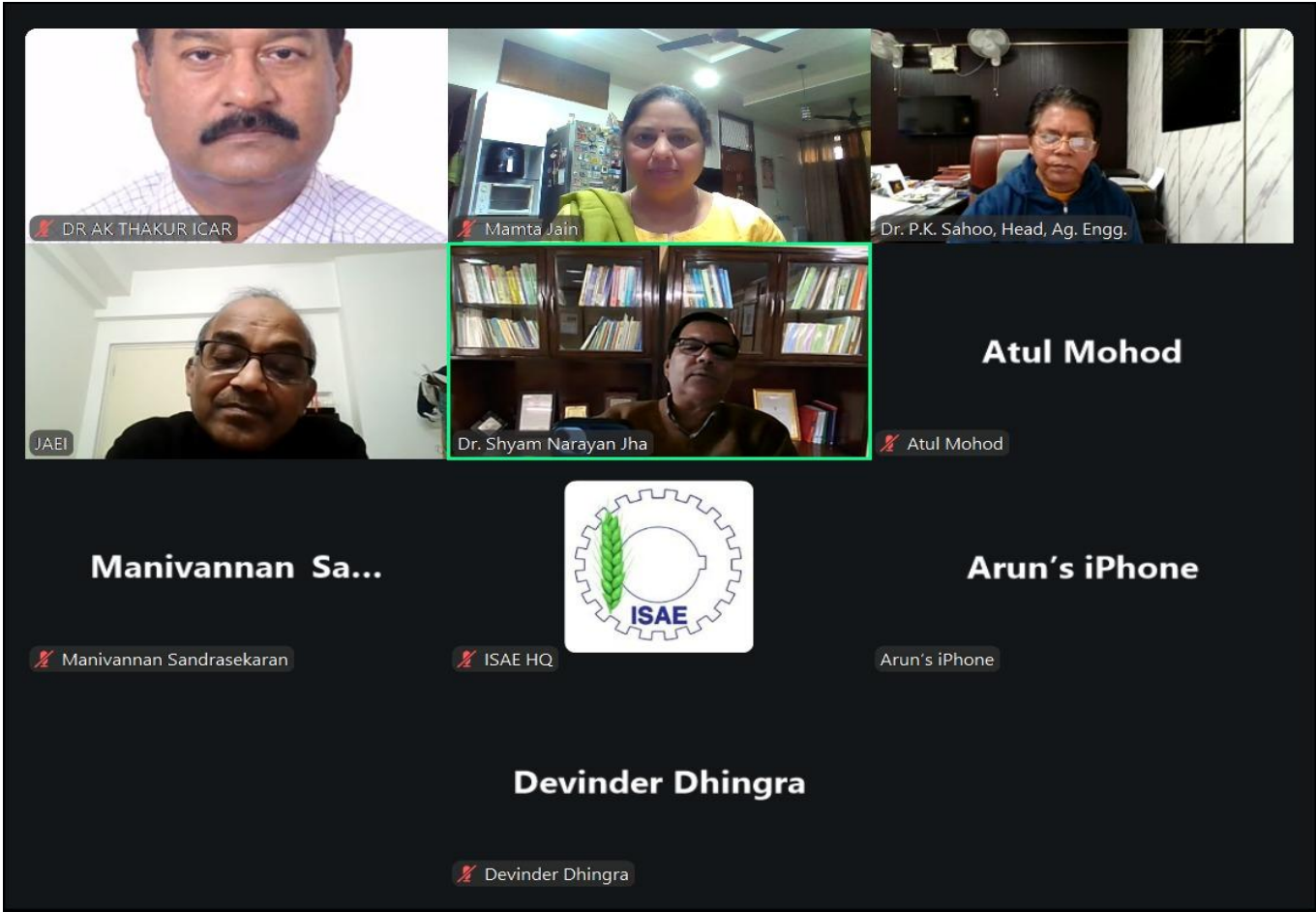


ISAE Happenings

9th ISAE Executive Committee meeting held on 13 Dec. 2025

- 6. CA Charges Revision – The Secretary General informed that the CA requested for increase in annual charges. After discussion, the proposed rates were deemed too high. The Secretary General was authorized to negotiate and approve a nominal increase.
- 7. Online Award Module Update/Revision – The President suggested updating the online award module, from submission to scrutiny and review, to enable Expert Committee to work at their convenience. This would eliminate costs for hosting Expert Committees at ISAE HQ and allow location-flexible committee formation.
- 8. Membership Details Updation Drive – The committee decided to launch a membership details updating drive, urging members to confirm contact details (including mobile numbers, designations, and current addresses). A WhatsApp group will also be created for quick ISAE communications.

The meeting concluded with a formal vote of thanks to the Chair and Committee Members.



ISAE Happenings

ISAE Annual General Body Meeting was held on 10th Nov. 2025 during the 59th ISAE Annual Convention at CIAE, Bhopal

The Annual General Body Meeting (AGM) of the Indian Society of Agricultural Engineers (ISAE) was convened on the 10 November 2025 at 5:00 P.M. during the 59th ISAE Annual Convention at ICAR-CIAE, Bhopal. A significant number of members (137) along with numerous students attended the meeting, which was chaired by Dr. S.N. Jha, President, ISAE. The dais was shared by other office bearers, including the Technical Directors, Council Members, and the Chairpersons of various State Chapters.

The President, Dr. S.N. Jha, welcomed all members to the meeting and expressed gratitude to ICAR-CIAE, Bhopal for hosting the 59th Annual Convention. He also extended thanks to Dr. C.R. Mehta, Director CIAE, Bhopal for facilitating and for elaborate arrangements. The President then invited the Secretary General to initiate the proceedings in line with the agenda. The Secretary General, Dr. P.K. Sahoo, welcomed all the delegates, senior members, industry representatives, and attendees to the General Body Meeting, and thanked everyone for their presence. He presented the agenda items for the meeting requested the approval of the same was endorsed by the members present in AGM.

Confirmation of Proceedings : The proceedings of the previous Annual General Body Meeting held on 12 November 2024 at Parbhani and the Online General Body Meeting held on 10 August 2025 had been circulated to all members for their feedback by mail and also on the spot in this meeting. Comments had been invited and no feedbacks were received. Both the proceedings were unanimously confirmed by the General body.

Annual Report for the Year 2024-25: Dr. P.K. Sahoo, Secretary General, presented the detailed Annual Report of the society for the year 2024-25. A printed copy of the report was distributed to all members present. The report was well-received, and the General Body members showed very high level of satisfaction with functioning, achievements of ISAE and comprehensive presentation by Secretary general, and the same Annual Report was formally approved.

Financial Report by the Treasurer : Dr. A.K. Thakur, Treasurer, presented the financial status of the society for the year 2024-25. He informed the members that the society's total income amounted to Rs.42,31,706/-. The expenditure for the year was Rs. 28,35,204/- as reflected in the balance sheet for 2024-25. Dr. Thakur also reported that the society's fixed deposits stood at Rs. 19,263,934/- with Canara Bank and Rs. 5,183,205/- with SBI. The total balance of fixed deposits as of 31 October 2025 was Rs. 26,732,764/-. Treasurer also discussed the financial grants received and those in the pipeline for the 59th ISAE Annual Convention and put up to General body to approve the balance sheet.

Dr. V. M. Mayande, the past president of ISAE, raised the entries of grant received for TAFE Awards and Jain irrigation awards long back. Even Jain irrigation award has been abolished by the society. These should not carry over forever. He also pointed out entries under schedule 6A Sundry receivable

amounts from the 51st to 55th ISAE annual conventions are very old and not receivable. He proposed to write off these items from the balance sheet. Several senior members, like Dr. Bangali Baboo, Dr. Patil and many other members discussed the issue. The General body thereafter resolved those above items and any other outdated entries in balance sheet are written off from the next years' and onwards balance sheets of ISAE. After above resolve the General Body approved the financial report of 2024-2025 approved as presented

Information about ISAE Wall Calendar 2026: Dr. P.K. Sahoo, Secretary General, informed the members about the ISAE Wall Calendar for 2026, which highlights significant technologies developed by Agricultural Engineers and ruling the farms/their respective fields since inception of Agricultural Engineering in India. The cost for printing 1000 copies of the calendar will be borne by the organizing committee of the 59th Convention. The calendar was officially released during the inaugural session of the convention.

Discussion on the Venues for the 60th and 61st ISAE Annual Conventions :

The Secretary General confirmed that the 60th ISAE Annual Convention will be held at Srinagar as approved in last AGM. A team from organizing Srinagar Chapter formally invited the members to grace the upcoming convention.

The Secretary General presented three proposals received for hosting the 61st Convention in 2027 from the chapters at PAU/ICAR-CIPHET Ludhiana, Akola, and Kerala. After a thorough discussion and a voice vote, the General Body approved the proposal to hold the 61st ISAE Annual Convention at Thrissur Kerala. However, this approval was subject to the receipt of an official consent letter from the University authorities within 21 days, which have been received well in time, and thus the 61st ISAE Annual convention shall be held in KAU, Thrissur, Kerala.

Revision of Membership Fees and Subscription Rates: The proposed revision of life membership, annual membership, student membership fees and subscription rates for ISAE journals (JAEI/AET), effective from January 2026, was discussed and approved by the General Body. The proposal was discussed thoroughly and approved by the AGM with voice votes. The approved revised rates w.e.f. from 1st January 2026 are as below:

Items	Print	Print + Online
JAE(I) – Annual	₹ 8,000/-	₹ 12,000/-
AET – Annual	₹ 4,000/-	₹ 6,000/-
JAE(I) – Per issue	₹ 2,500/-	-
AET – Per issue	₹ 1,250/-	-
Life membership	Rs. 10000/-	Admission fee Rs. 500/-
Annual membership	Rs. 2500/-	-do-
Foreign Life membership	Rs. 12000/-	-do-
Foreign Annual membership	Rs. 3000/-	-do-
Student membership	Free	-do-



Receipt and Expenditure Statement for the 58th ISAE Convention: The issue of non-sending the receipt and expenditure audited statement for the 58th ISAE Convention held at VNMKV, Parbhani, in November 2024 signed by a chartered accountant to the ISAE Headquarter had not yet been received and was discussed thoroughly. General body took note of the matter and requested the authority/organizer of Parbhanni team to send the same without further delay.

Allegations by Er. L. K. Lohani on ISAE: As decided in previous day council meeting the matter concerning allegations of financial bugling made by Er. N.K. Lohani, Director (State Services) in the society and unacceptable languages for its office bearers circulated through various WhatsApp groups not related to ISAE by him several times were decided in previous day council meeting was put in AGM. The General Body took the matter very seriously and approved with consensus that he is defaming ISAE and its office bearers in different WhatsApp groups repetitively. He has not attended even three consecutive meetings (this AGM, council meeting yesterday and online GB meeting held in July 2025) as council member. The General body approved to send a “so-cause-notice” by the Secretary General giving 21 days’ time to explain why not action to be taken against him for defaming the ISAE and its office bearers. The General Body authorized the ISAE Executive committee to decide action based on his reply and provision in the present ISAE Byelaws and rules. Majority of members were of the views that Er. Lohani should be removed from the Council and his primary membership of the society should be revoked as per ISAE byelaws and rules.

After normal agenda President ISAE requested members to raise Any Other issues for discussion and decision with the permission of Chair

Dr. R.T. Patil proposed to change the name of ISAE to the Indian Society of Agricultural and Biological Engineers. The matter was discussed and decided against the proposal with voice votes

Dr. Bangali Baboo suggested that the CA of the society should give a covering letter addressed to General body about audited report of the society.

A few members appreciated the editorial board of JAEI and AET and the Executive committee for improving its publication to International level and getting the Web of Science indexing for JAEI. They also appreciated online award system introduced and improved level of responses of by ISAE office and its executive committee members.

The president informed the house that ISAE has again applied for Co-publishing JAEI with Springer as per decision in last AGM. The general body authorized the Executive committee to sign an MoU in the best interest of the society, if agreed by the Springer and go ahead.

Dr. S.N. Jha, President, thanked all the members for their active participation and contributions to the society and active participation in the meeting. The President also expressed gratitude to the host institute, ICAR-CIAE, Bhopal and the organizing committee of the 59th ISAE Annual Convention for their hard work in making the event a grand success.

The meeting concluded with a vote of thanks to the Chair.



ISAE Happenings

ISAE Council Meeting held on November 09, 2025 at 5 P.M. at ICAR - CIAE, Bhopal, Madhya Pradesh

The ISAE Council meeting was held on 9th November, 2025 from 5 P.M. (onwards) in the ICAR-Central Institute of Agricultural Engineering (ICAR-CIAE), Bhopal at the time of 59th Annual Convention of ISAE. At the outset, Dr. P.K. Sahoo, Secretary General ISAE welcomed all the members of the ISAE Council and briefed about the agenda of the meeting. Confirmation of Proceedings of the last three council meetings (11.11.2024, 7.3.2025 and 11.5.2025) : Since no comments were received on the proceedings of the previous meetings, proceedings of meetings were considered and confirmed as such.

Report by Vice President (Technical Council) : Dr. Atul Mohad, Vice President (Technical Council) detailed about the activities carried out during the year 2025 and following efforts have been made such as:

- ❖ Annual activity plan was prepared and circulated to different stake holders and chapters for action as per the plan.
- ❖ Celebrated 'National Akshay Urja day' for popularization and wide of renewable energy and nine chapters conducted the program pan India.
- ❖ He himself and Dr. Rahul Ramtane worked as member of Principal Action Committee AgroPv Alliance and drafted the policy document on crop selection, design and components of agrovoltaic projects in Maharashtra.
- ❖ By conducting the special awareness campaign, through the video prepared by ISAE, seats of all government B.Tech. (Agricultural Engineering) colleges has been increased to more than 95% in the year 2025.
- ❖ Webinar on 'AI in agriculture' and 'Renewable energy for agriculture' with the expertise of industry were organized by the Director (Industry).
- ❖ Initiated the preparation of directory and common platform of all Deans.
- ❖ To provide the opportunity to the B.Tech. (Agricultural Engineering) students, efforts were made to establish the collaboration with 'E Yantra Lab', IIT Mumbai and BHAU innovation and incubation, COEP Pune.

Report by Vice President (Activity Council) : Dr. S. Manivannan appraised about the functioning of Director E-Services (preparation and implementation of ISAE awards portal); Director Membership and Public Relations initiation of preparation of directory of all the members with present contact details at national level, motivation to chapters chairman to conduct membership drive at respective colleges, updating of email Id of chapters/members; Director Industry (Organization of 2 industrial sessions, conduction of 4 career counselling session for B.Tech. students, allocated one sponsorship for the event, enrolled one corporate membership to Rohit Agriculture Industries, to share the importance of Agricultural Engineering Conducted awareness meeting at school and colleges). The council members expressed their great satisfaction on the intensive activities carried out by both the Presidents.

During the meeting Annual report was presented by Dr. P K Sahoo, Secretary General, Presentation of financial position by Treasurer Dr. A K Thakur and Ratification of the ISAE Awards 20205 was presented. The same were approved by the council members



ISAE Happenings

Indian Society of Agricultural Engineers (ISAE) has been recognised by FAO with award of the Seal of recognition for active FAO AGRIS Data Providers

The Food and Agriculture Organization of the United Nations, invites all active FAO AGRIS data providers to renew their Seal of Recognition for 2026. Institutions that have submitted data between July 2025 and June 2026 are eligible to request their updated seal, which formally acknowledges their continued commitment to agricultural research and to the FAO AGRIS Network

Indian Society of Agricultural Engineers (ISAE) has been recognised by FAO with award of the Seal of recognition for active FAO AGRIS Data Providers

The Seal of Recognition is awarded each year to organizations that actively contribute to the FAO AGRIS. By renewing the seal, institutions reaffirm their engagement in strengthening global access to agricultural knowledge and enhancing the visibility of research outputs from their communities.



ISAE and APEDA Signed Mou For Exchange Of Information, Cooperation And Consultancy Services.

ISAE and APEDA signed MoU 19th November for exchange of information, cooperation and consultancy services. This is new area of work of ISAE venturing.

This is the first time that ISAE has signed MoU with Govt. Agency for expanding its services to societies based on scientific evidences.

A working group will be formulated for giving consultancies. Interested Members are requested to give their intent and commitment with a brief biodata to Secretary General with copy to President, for the same.



ISAE Mumbai Chapter Conducted Membership Drive in the Kisan Agri Expo-2025 at Pune

ISAE Mumbai Chapter conducted Membership Drive in the Kisan Agri Expo-2025 at Pune during December 10-14, 2025. A total of 15 members were registered as life members of ISAE in this event.



ISAE Happenings

President and Secretary General ISAE, presented the ISAE Honorary Fellowship 2025 to Dr M L Jat, Secretary DARE and DG ICAR

During the ISAE Council Meeting held on November 09, 2025 the Ratification of the ISAE Awards 20205 was presented which was approved by the council members. In which ISAE Honorary Fellowship 2025 was announced for Dr M L Jat Secretary DARE and DG ICAR. Post event the President and Secretary General ISAE, presented the ISAE Honorary Fellowship 2025 to Dr M L Jat Secretary DARE and DG ICAR at new Delhi .

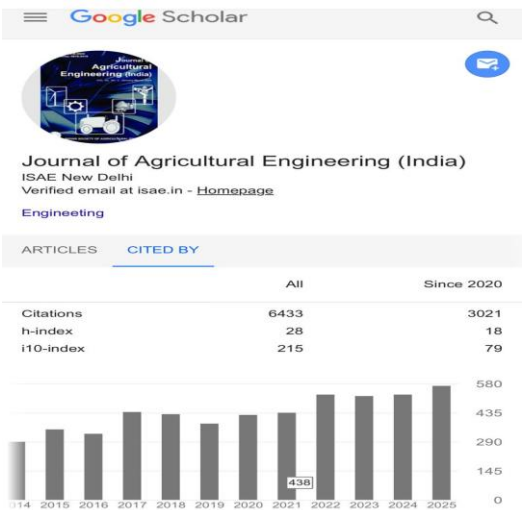


The citations of journal of Agricultural Engineering (India) made a substantial increase from year 2021 onwards

Before year 2021, ISAE was struggling to find citations of papers published in JAE for applying for NAAS rating. After taking over charge by the EC in 2021 December, Google scholar page for journal got made in 2024 after bringing the house in order and we can now easily see citations of JAEL.

The chart clearly indicates how the citations jumped after 2021 and this year total citations are going to be more than 600.

Steps taken in last four years in general and last two years in particular are bearing the fruits.





ISAE Happenings

Journal of Agricultural Engineering (India) : Report for the Year 2025

Manuscripts Received

A total 248 manuscripts including 17 manuscripts from abroad (except manuscripts received for special issue on “Clean and Green Bio-energy”) received during 2025 (1st Jan 2025 till 31 Dec 2025).

Division	Manuscripts received (no)		
	India	Abroad	Total
FMPE	75	4	79
PDFE	62	2	64
SWE	68	6	74
EOA	26	5	31
Total	227	17	248

Reviewers Distribution

Total number of reviewers = ~179
National reviewers =161
International reviewers = 18
Percentage of International Reviewers: ~10%
Researchers from 12 different countries participated in the review process

S. No.	Country	Number of reviewers
1	Algeria	1
2	Australia	1
3	Canada	1
4	Egypt	1
5	Germany	1
6	Iran	2
7	Japan	1
8	Slovakia	2
9	South Africa	1
10	Türkiye	2
11	UK	1
12	USA	4
Total		18

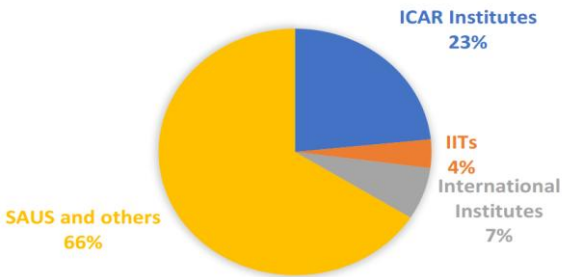
Publication

Total number of Issues Published = 4
Total articles published = 78

Division-wise and Issue-wise manuscripts published during 2025

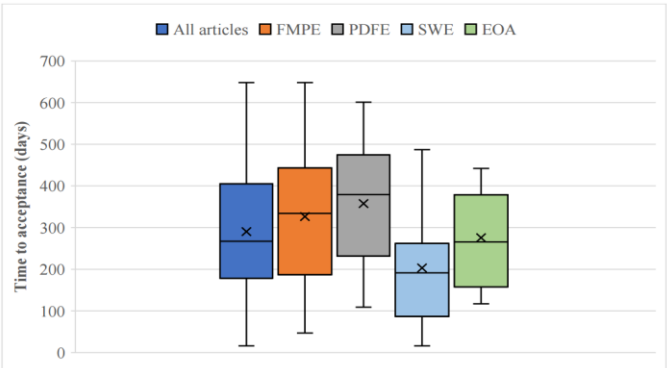
Division	62(1)	62(2)	62(3)	62(4)	Total
FMPE	6	5	5	7	23
PDFE	4	7	6	4	21
SWE	5	6	7	6	24
EOA	3	2	2	3	10
Total	18	20	20	20	78

AUTHOR DISTRIBUTION



Author Distribution

In 2025, Journal of Agricultural Engineering (India) published 78 articles in 4 issues. The 78 articles were contributed by 321 authors, with all the 78 articles contributed by multiple authors (at least 2 authors). Out of 321 authors, 22 (6.85%) authors are from international organizations/institutes from seven countries (China, Egypt, Ethiopia, Nigeria, Sri Lanka, Thailand, USA), 75 (23.36%) authors from ICAR institutes, and remaining 224 (69.78%) authors from non-ICAR institutes (IITs -12 (3.73%) authors), SAUs, and other universities).



59th Annual Convention of ISAE

The 59th Annual Convention of the Indian Society of Agricultural Engineers (ISAE) was hosted with grandeur and pomp at ICAR–Central Institute of Agricultural Engineering, Bhopal during 10-12 November 2025. The prestigious event was marked to celebrate 50-year glorious journey of the Institute. In recognition of the pivotal role played by agricultural engineers towards ensuring India's food security during the Green



Revolution and their continued contributions towards sustainable, modern technology-driven agricultural development, the annual convention was themed on “Engineering Innovations for Agriculture 5.0”. Also organized in the sidelines was an International Symposium focused on “Mechatronics and Robotics in Pre and Post-Production Agriculture,” highlighting emerging technologies and future pathways for smart farm.

Chief Guest Hon'ble Shri Lakhan Patel, Minister of State for Animal Husbandry and Dairy, Government of Madhya Pradesh, formally inaugurated the convention in the esteemed presence of Dr. S. N. Jha, Deputy Director General (Agricultural Engineering), ICAR, along with Vice-Chancellors of State Agricultural Universities (SAUs), Directors of ICAR institutes, Scientists. Followed by the inaugural session was the inauguration of the exhibition of agricultural machineries, “Farm Tech Pro 2025”, there were more than 40 stalls ranging from tractor companies to farm machinery companies to food processing companies and financing companies as well displaying cutting-edge technologies, machinery, prototypes, financial and services fostering industry - academia interaction and technology transfer.

The event witnessed strong national and international participation, including delegates from foreign universities, agri-startups, financial institutions, banks and agri-industry representatives.

The convention was marked by, - Expert Panel Discussion on Engineering Innovations for Agriculture 5.0, Industry Panel Discussion on Institute–Industry Partnerships, International Experts' Panel Discussion on Mechatronics and Robotics in Pre and Post-Production Agriculture. These discussions facilitated meaningful dialogue on technological advancements, commercialization opportunities and collaborative approaches to address emerging challenges in pre- and post-production farm mechanization.

59th Annual Convention of ISAE

The second day of the Convention was marked by technical sessions on four major thematic areas, - Farm Mechanization and Automation, Post-Harvest Engineering and Technologies, Soil and Water Conservation Engineering, and Green and Alternative Energy Technologies. These themes were further divided into 18 sub-thematic areas, comprehensively covering diverse domains of Agricultural Engineering. Oral and poster presentations were delivered by scientists, researchers and students through offline and online modes, reflecting broad participation and academic excellence. A large number of research abstracts and full papers were presented, showcasing innovative research outcomes and technological solutions

The convention culminated on the third day with the valedictory session Chaired by Hon'ble Minister of State for Agriculture and Farmers' Welfare, Government of India, Shri Bhagirath Choudhary, along with senior officials from ICAR, ISAE, and partner institutions. The session featured summaries of key recommendations and outcomes from the convention and symposium, emphasizing future research priorities, policy interventions, and collaborative frameworks for advancing Agricultural Engineering in India. Awards and recognitions were conferred upon outstanding researchers, young scientists, students and best paper presenters, acknowledging excellence and innovation. The valedictory session concluded with the adoption of key resolutions, reaffirming the collective commitment of the Agricultural Engineering fraternity towards sustainable, resilient and technology-enabled agricultural development, followed by a formal vote of thanks.



59th Annual Convention of SAE

पीपुल्स समाचार

बंजर फसल के लिए अपनानी होगी कृषि इंजीनियरिंग

केंद्रीय कृषि अभियांत्रिकी संस्थान की स्पर्ण जयंती पर राष्ट्रीय संगोष्ठी में जुटे 600 वैज्ञानिक

पीपुल्स खुरे • भोपाल
मो.नं. 9425493055

किसान अगर चाहते हैं बंजर और बढ़िया क्वालिटी की फसल तो जो जरूरी है कि कृषि इंजीनियरिंग का इस्तेमाल करें। यह सलाह केंद्रीय कृषि अभियांत्रिकी संस्थान (सीआईई) में कृषि के लिए इंजीनियरिंग नवाचार 5.0 विभाग पर अंतरराष्ट्रीय संगोष्ठी में देवधर से आए कृषि वैज्ञानिकों ने दी।



केंद्रीय कृषि अभियांत्रिकी संस्थान में अंतरराष्ट्रीय संगोष्ठी में शामिल कृषि वैज्ञानिक।

डी. वही डॉ. एसएन झा, उप महानिदेशक कृषि अभियांत्रिकी, नई दिल्ली ने कृषि अभियांत्रिकी के क्षेत्र में इसके योगदानों का उल्लेख किया। मुख्य अतिथि प्रवेश के पश्चात् महानि. लखन पटेल ने कहा कि किसानों की उत्पादकता एवं आय वृद्धि हेतु अभियांत्रिकी समाधानों का विस्तार समय का आवश्यकता है।

तीन दिन होगा मंथन

अयोधिया संगोष्ठी में देश-विदेश से 600 प्रतिभागी, वैज्ञानिक, शिक्षाविद, उद्योग प्रतिनिधि, नीति-निर्माता एवं उद्यमी भाग ले रहे हैं। इसमें समानांतर वैज्ञानिक सत्र, विशेषज्ञ व्याख्यान, शोपन प्रस्तुतियां तथा डीन, रोबोटिक्स, आईओटी आधारित उपकरणों एवं आधुनिक कृषि मशीनों की प्रदर्शनी भी आयोजित की जा रही है। इस प्रकार यह संगोष्ठी नीति निर्माताओं, वैज्ञानिकों, उद्योगी जगत एवं किसानों के मध्य संवाद, ज्ञान-विनिमय और सहयोग का एक सफल मंच बन गई है। नवाचार-आधारित कृषि विकास को बढ़ावा देने के साथ ही प्रति भी प्रदान करेगा।



आमजन में जागरूकता, पुलिसवाले ही उड़ा रहे आदेश की ध्वजिय

कृषि 5.0 की ओर छलांग, राजधानी में ड्रोन, रोबोटिक्स से खेती क्रांति की तैयारी

भोपाल, 11 नवंबर 2025 - कृषि 5.0 की ओर छलांग, राजधानी में ड्रोन, रोबोटिक्स से खेती क्रांति की तैयारी। केंद्रीय कृषि अभियांत्रिकी संस्थान (सीआईई) में आयोजित संगोष्ठी में देश-विदेश से 600 वैज्ञानिक, शिक्षाविद, उद्योग प्रतिनिधि, नीति-निर्माता एवं उद्यमी भाग ले रहे हैं। इसमें समानांतर वैज्ञानिक सत्र, विशेषज्ञ व्याख्यान, शोपन प्रस्तुतियां तथा डीन, रोबोटिक्स, आईओटी आधारित उपकरणों एवं आधुनिक कृषि मशीनों की प्रदर्शनी भी आयोजित की जा रही है। इस प्रकार यह संगोष्ठी नीति निर्माताओं, वैज्ञानिकों, उद्योगी जगत एवं किसानों के मध्य संवाद, ज्ञान-विनिमय और सहयोग का एक सफल मंच बन गई है। नवाचार-आधारित कृषि विकास को बढ़ावा देने के साथ ही प्रति भी प्रदान करेगा।

जीएसटी: 50 लाख रुपए का पान मसाला और बीड़ी जब्त

भोपाल, 11 नवंबर 2025 - जीएसटी: 50 लाख रुपए का पान मसाला और बीड़ी जब्त। भोपाल में जीएसटी अधिकारियों ने 50 लाख रुपए का पान मसाला और बीड़ी जब्त की।

भोपाल समाचार 11-11-2025

सीआईई में अंतरराष्ट्रीय संगोष्ठी का शुभारंभ, देश-विदेश के 600 प्रतिभागी शामिल

किसानों की आय वृद्धि हेतु अभियांत्रिकी समाधानों का विस्तार जरूरी - लखन पटेल

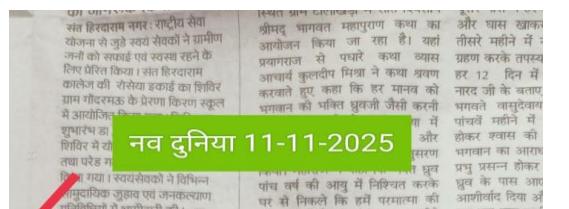


केंद्रीय कृषि अभियांत्रिकी संस्थान में अंतरराष्ट्रीय संगोष्ठी में शामिल कृषि वैज्ञानिक।

किसानों की आय वृद्धि हेतु अभियांत्रिकी समाधानों का विस्तार जरूरी - लखन पटेल। केंद्रीय कृषि अभियांत्रिकी संस्थान (सीआईई) में आयोजित संगोष्ठी में देश-विदेश से 600 वैज्ञानिक, शिक्षाविद, उद्योग प्रतिनिधि, नीति-निर्माता एवं उद्यमी भाग ले रहे हैं। इसमें समानांतर वैज्ञानिक सत्र, विशेषज्ञ व्याख्यान, शोपन प्रस्तुतियां तथा डीन, रोबोटिक्स, आईओटी आधारित उपकरणों एवं आधुनिक कृषि मशीनों की प्रदर्शनी भी आयोजित की जा रही है। इस प्रकार यह संगोष्ठी नीति निर्माताओं, वैज्ञानिकों, उद्योगी जगत एवं किसानों के मध्य संवाद, ज्ञान-विनिमय और सहयोग का एक सफल मंच बन गई है। नवाचार-आधारित कृषि विकास को बढ़ावा देने के साथ ही प्रति भी प्रदान करेगा।

एसआईआर का कार्य-मंजूर और प्राथमिकता के साथ करें - संजीव कुमार झा

भोपाल, 11 नवंबर 2025 - एसआईआर का कार्य-मंजूर और प्राथमिकता के साथ करें - संजीव कुमार झा। भोपाल में एसआईआर का कार्य-मंजूर और प्राथमिकता के साथ करें - संजीव कुमार झा।



केंद्रीय कृषि अभियांत्रिकी संस्थान में अंतरराष्ट्रीय संगोष्ठी में शामिल कृषि वैज्ञानिक।

कृषि के लिए इंजीनियरिंग नवाचार पर कार्यशाला, 600 प्रतिभागी हुए शामिल

भारतीय कृषि अभियांत्रिकी संस्थान (सीआईई) में आयोजित संगोष्ठी में देश-विदेश से 600 वैज्ञानिक, शिक्षाविद, उद्योग प्रतिनिधि, नीति-निर्माता एवं उद्यमी भाग ले रहे हैं। इसमें समानांतर वैज्ञानिक सत्र, विशेषज्ञ व्याख्यान, शोपन प्रस्तुतियां तथा डीन, रोबोटिक्स, आईओटी आधारित उपकरणों एवं आधुनिक कृषि मशीनों की प्रदर्शनी भी आयोजित की जा रही है। इस प्रकार यह संगोष्ठी नीति निर्माताओं, वैज्ञानिकों, उद्योगी जगत एवं किसानों के मध्य संवाद, ज्ञान-विनिमय और सहयोग का एक सफल मंच बन गई है। नवाचार-आधारित कृषि विकास को बढ़ावा देने के साथ ही प्रति भी प्रदान करेगा।

वीओआई में सतर्कता जागरूकता गतिविधियों का किया आयोजन



केंद्रीय कृषि अभियांत्रिकी संस्थान में अंतरराष्ट्रीय संगोष्ठी में शामिल कृषि वैज्ञानिक।

दैनिक भास्कर 11-11-25

कृषि नवाचार 5.0 पर अंतरराष्ट्रीय संगोष्ठी। केंद्रीय कृषि अभियांत्रिकी संस्थान (सीआईई) में आयोजित संगोष्ठी में देश-विदेश से 600 वैज्ञानिक, शिक्षाविद, उद्योग प्रतिनिधि, नीति-निर्माता एवं उद्यमी भाग ले रहे हैं। इसमें समानांतर वैज्ञानिक सत्र, विशेषज्ञ व्याख्यान, शोपन प्रस्तुतियां तथा डीन, रोबोटिक्स, आईओटी आधारित उपकरणों एवं आधुनिक कृषि मशीनों की प्रदर्शनी भी आयोजित की जा रही है। इस प्रकार यह संगोष्ठी नीति निर्माताओं, वैज्ञानिकों, उद्योगी जगत एवं किसानों के मध्य संवाद, ज्ञान-विनिमय और सहयोग का एक सफल मंच बन गई है। नवाचार-आधारित कृषि विकास को बढ़ावा देने के साथ ही प्रति भी प्रदान करेगा।

ब्रहोत्सव... कल से होगा आ

वेंकटेश बाला-भारत से आएंगे



केंद्रीय कृषि अभियांत्रिकी संस्थान में अंतरराष्ट्रीय संगोष्ठी में शामिल कृषि वैज्ञानिक।

वेंकटेश बाला-भारत से आएंगे। केंद्रीय कृषि अभियांत्रिकी संस्थान (सीआईई) में आयोजित संगोष्ठी में देश-विदेश से 600 वैज्ञानिक, शिक्षाविद, उद्योग प्रतिनिधि, नीति-निर्माता एवं उद्यमी भाग ले रहे हैं। इसमें समानांतर वैज्ञानिक सत्र, विशेषज्ञ व्याख्यान, शोपन प्रस्तुतियां तथा डीन, रोबोटिक्स, आईओटी आधारित उपकरणों एवं आधुनिक कृषि मशीनों की प्रदर्शनी भी आयोजित की जा रही है। इस प्रकार यह संगोष्ठी नीति निर्माताओं, वैज्ञानिकों, उद्योगी जगत एवं किसानों के मध्य संवाद, ज्ञान-विनिमय और सहयोग का एक सफल मंच बन गई है। नवाचार-आधारित कृषि विकास को बढ़ावा देने के साथ ही प्रति भी प्रदान करेगा।

वैठक... सुरक्षा योजना के लिए बनाई 6 दिनों

भोपाल, 11 नवंबर 2025 - वैठक... सुरक्षा योजना के लिए बनाई 6 दिनों। भोपाल में वैठक... सुरक्षा योजना के लिए बनाई 6 दिनों।

59th Annual Convention of ISAE

Glimpse of The 59th Annual convention of Indian Society of Agricultural Engineers (ISAE) and the International Symposium



ISAE Awards - 2025

1- Mansoon Vaugh Agricultural Engineering Pioneer Award

Dr. Venkat M. Mayande

(F-142)

Former VC, Dr. PDKV, Akola



Dr. Venkat M. Mayande, born on July 5, 1950, in Niwali village, Latur, Maharashtra, is a distinguished educator, researcher, and former Vice-Chancellor of Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. He has made outstanding contributions to agricultural engineering by developing innovative and affordable technological solutions for rain-dependent farming systems.

His work in designing conservation-oriented farm machinery has greatly advanced climate-smart and resilient rainfed agriculture in India. Through his visionary leadership and strong industry collaborations, Dr. Mayande has facilitated the design, manufacture, and large-scale adoption of appropriate mechanization technologies across the country. Beyond technical innovation, he has played vital roles as President, Chairman, and Member of several national committees, contributing immensely to the progress of agricultural education and the profession. In recognition of his exemplary contributions and dedication on advancing Agricultural Engineering, the Indian Society of Agricultural Engineers confers the ISAE Mason Vaugh Pioneer Award 2025 upon Dr. V. M. Mayande.

2- ISAE Gold Medal for Life Time Achievements

Dr. Madan Kumar Jha

(F-237) (LM – 7411)

**Prof. and Head, Agril. & Food Engg. Department,
Indian Institute of Technology, Kharagpur (West Bengal)**



Dr. Madan Kumar Jha, Professor and Head, Department of Agricultural and Food Engineering and Head, Centre for Rural Development and Innovative Sustainable Technology, IIT Kharagpur, is a distinguished expert in Groundwater Hydrology. He has been honoured with several national and international awards and scholarships, including the prestigious Institute Chair Professor Award (2022) from IIT Kharagpur. Dr. Jha has an impressive publication record comprising 155 research papers, 5 books, 24 book chapters, 10 technical bulletins, and 118 conference papers. He serves as Editor of Water Resources Research, and as Editorial Board Member/Associate Editor for Scientific Reports and Frontiers in Water. Holding one patent and copyrights for eight indigenous, cost-effective professional software tools, Dr. Jha is a Fellow of NAAS, IEI, ISAE, IAH, ISH, IWRS, AAAE, and BASA, and a life member of CIGR, AAAE, IAHS, and EWRA. In recognition of his significant contributions in the field of Agricultural Engineering, the Indian Society of Agricultural Engineers confers the ISAE Gold Medal 2025 to Dr. Madan Kumar Jha.

ISAE Awards - 2025

3- ISAE Honorary Fellowship

Dr. M.L. Jat

Secretary (DARE), Government of India and Director General (DG), Indian Council of Agricultural Research (ICAR), New Delhi



Dr. M.L. Jat, Secretary, Department of Agricultural Research and Education, Government of India, and Director General, Indian Council of Agricultural Research, is a globally acclaimed agronomist with over 25 years of distinguished experience in systems science across the developing world. He has earlier served as Global Research Program Director at ICRISAT, Hyderabad; Principal Scientist at CIMMYT, New Delhi; and held several leadership positions in national and international organizations. The ISAE gratefully acknowledges his exemplary contributions to the entire spectrum of agriculture, particularly in advancing mechanization and crop residue management through engineering innovations. His vision and leadership have significantly strengthened agricultural mechanization, post-harvest processing, and value addition in India. In recognition of his outstanding scientific achievements and numerous national and international honours including the Fellowship of the National Academy of Agricultural Sciences and ICAR's prestigious Rafi Ahmad Kidwai Award the Indian Society of Agricultural Engineers proudly confers the Honorary Fellowship of ISAE 2025 to Dr. M.L. Jat.

4- Prof. Gajendra Singh ISAE Education Gold Medal Award

Dr. Indra Mani

F- 204 (LM-7686)

Vice Chancellor, Vasantao Naik Marathwada Krishi Vidyapeeth Parbhani, Maharashtra 4



Dr. Indra Mani, Vice-Chancellor, Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani, has been a transformative leader in agricultural education. Under his guidance, the university has seen remarkable progress, including large-scale infrastructure development, reclamation of over 4,000 acres of barren land, and the attainment of 'A' Grade NAEAB accreditation. His vision has also led to the introduction of innovative programs in digital and precision agriculture, alongside the establishment of advanced centres for drone technology and mechanization skill training. Dr. Indra Mani is committed to global academic exposure, facilitating the training of faculty and students in international laboratories and at premier national institutions. He has signed 35 international MoUs. A mentor to 26 Ph.D. and 12 M.Tech. scholars, He has played vital role as national expert in the committees of DST, DSIR, DBT, etc. advocating Agricultural Engineering education. In recognition of his significant contributions in Agricultural Engineering education, innovation and mentorship, the Indian Society of Agricultural Engineers confers the Prof. Gajendra Singh ISAE Education Gold Medal 2025 to Dr. Indra Mani.

ISAE Awards - 2025

5- ISAE Fellowship Award

Dr. Arjamadutta Sarangi
(LM-10126)
Director, ICAR-IIWM



Dr. Arjamadutta Sarangi, Director, ICAR-Indian Institute of Water Management, Bhubaneswar, is a distinguished scientist known for his outstanding contributions to water resource anagement and hydrological modeling. Previously serving as Principal Scientist at ICAR-IARI, New Delhi, he has guided 24 Ph.D. and 10 M.Tech. scholars. Dr. Sarangi has developed and validated hydrological models and soft computing tools for predicting surface runoff and sediment yield from watersheds, and formulated an Agricultural Drought Index and Decision Support Systems to enhance water productivity in rice-wheat systems. He has played a key role in implementing a SCADA-operated canal automation system in Odisha and establishing groundwater recharge structures across India. Additionally, Dr. Sarangi has standardized protocols for assessing groundwater quality and soil salinity parameters, contributing significantly to sustainable water management. He was elected fellow of NAAS in 2017. In recognition of his significant contributions in the field of Agricultural Engineering, the Indian Society of Agricultural Engineers confers the ISAE Fellowship 2025 to Dr. Arjamadutta Sarangi.

Dr. Debendra Chandra Baruah
(LM-3813)
Dean & Professor
School of Multidisciplinary Studies
Tezpur University Sonitpur, Assam-



Dr. Arjamadutta Sarangi, Director, ICAR-Indian Institute of Water Management, Bhubaneswar, is a distinguished scientist known for his outstanding contributions to water resource anagement and hydrological modeling. Previously serving as Principal Scientist at ICAR-IARI, New Delhi, he has guided 24 Ph.D. and 10 M.Tech. scholars. Dr. Sarangi has developed and validated hydrological models and soft computing tools for predicting surface runoff and sediment yield from watersheds, and formulated an Agricultural Drought Index and Decision Support Systems to enhance water productivity in rice-wheat systems. He has played a key role in implementing a SCADA-operated canal automation system in Odisha and establishing groundwater recharge structures across India. Additionally, Dr. Sarangi has standardized protocols for assessing groundwater quality and soil salinity parameters, contributing significantly to sustainable water management. He was elected fellow of NAAS in 2017. In recognition of his significant contributions in the field of Agricultural Engineering, the Indian Society of Agricultural Engineers confers the ISAE Fellowship 2025 to Dr. Arjamadutta Sarangi.

ISAE Awards - 2025

5- ISAE Fellowship Award

Dr. Krishna Pratap Singh

(LM-10132)

ADG, Agricultural Engg. Division, KAB-II, Pusa, New Delhi



Dr. Krishna Pratap Singh, Assistant Director General (Farm Engineering), ICAR, KAB-11, New Delhi, has made exemplary contributions to Agricultural Engineering research and development. Since the beginning of his career in the Agricultural Research Service, he has focused on threshing, dehulling, and utilization of minor millets, development of small tools and equipment for hilly regions, and promotion of conservation agriculture. Dr. Singh's innovations and leadership have earned him several prestigious honours, including the Meritorious Invention Award (NRDC), Hari Om Ashiram Trust Award (ICAR) ASPEE Award (ISAE), NASI-ICAR Award, and the Kisano Ke Mahanayak recognition by DD Kisan. He also received the Manad Upadhi of Krishi Vigyan Gaurav by Bhartiya Krishi Anusandhan Patrika and was elected Fellow of NAAS in 2019. Dr. Singh serves on the editorial board of the Journal of Agricultural Engineering (India) and is a member of the Institute Management Committees of ICAR; NINFET, Kolkata; ICAR-ATARI Zone IX, Jabalpur, and IGKVV, Raipur. In recognition of his significant contributions in the field of Agricultural Engineering, the Indian Society of Agricultural Engineers confers the ISAE Fellowship 2025 to Dr. Krishna

Dr. M.R. Manikantan

(LM-10158)

Principal Scientist (AS&PE)

Physiology, Biochemistry and Postharvest Technology Division, ICAR-Central Plantation Crops Research Institute, Kudlu (Post) Kasaragod



Dr. M.R. Manikantan, Principal Scientist, ICAR-CPORI, Kasaragod, Kerala, is a distinguished researcher in the field of Agricultural Process Engineering. His work focuses on the value addition of oilseeds, horticultural crops, coarse cereals, millets, and fish, along with the microencapsulation of nisin and bacteriocins. Dr. Manikantan has significantly contributed to the development and commercialization of 26 coconut-based processing technologies, benefiting 316 entrepreneurs and generating revenue of 82.65 lakhs. A pioneer in applying nanocomposite technology for food packaging films, he holds a patent for an innovative autoclavable microencapsulation system. With 138 research papers, 3 edited books, and numerous technical publications, he has received prestigious honours, including NAAS Fellow (2024), ICAR-Jawaharlal Nehru Award (2010) and the Best Coconut Research Worker Award (2022). In recognition of his significant contributions in the field of Agricultural Engineering, the Indian Society of Agricultural Engineers confers the ISAE Fellowship 2025 to Dr. M. R. Manikantan

ISAE Awards - 2025

5- ISAE Fellowship Award

Dr. Srinivasulu Ale

(LM-9518)

Professor of Agrohydrology, Texas A&M AgriLife Research and Extension Center, Vernon, USA



Dr. Srinivasulu Ale, Professor of Agrohydrology, Texas A&M AgriLife Research and Extension Center, Vernon, and Department of Biological and Agricultural Engineering, Texas A&M University, is an eminent researcher dedicated to advancing Sustainable Agriculture. His work spans from reclaiming degraded lands in India to addressing water scarcity and environmental challenges in the United States. Dr. Ale has published 111 peer-reviewed journal articles, delivered over 240 presentations (including 35 invited talks), and secured more than \$22.7 million in competitive research funding. He has mentored 11 postdoctoral researchers and 42 graduate students, serving as Chair for 16 of them. An active leader within ASABE, he played a key role in the success of the 2018 Global Water Security Conference in Hyderabad, jointly organized by ISAE and ASABE. Recipient of several prestigious honours, including the ASABE Superior Paper Award and AAAE Researcher of the Year Award. In recognition of his significant contributions in the field of Agricultural Engineering, the Indian Society of Agricultural Engineers confers the ISAE Fellowship 2025 to Dr. Srinivasulu Ale.

6) Commendation Medal for Professional Achievement

S.No. Recipient

- 1 Dr. Samanpreet Kaur (LM-10415)
Dept. of Soil & Water Engineering, PAU, Ludhiana, Punjab
- 2 Dr. Rama Chandra Pradhan (LM-10629)
Department of Food Process Engineering, National Institute of Technology (NIT) Rourkela Odisha
- 3 Dr. Ravi Pandiselvam (LM-10898)
Division of Agricultural Engineering, ICAR-Indian Agricultural Research Institute (IARI), New Delhi
- 4 Dr. Dhiraj Khalkho (LM-10797)
Dept. of Soil and Water Conservation Engineering, SV College of Agricultural Engineering and Tech. & Res. Stn., Faculty of Agricultural Engineering Indira Gandhi Krishi Vishwavidyalaya, Raipur
- 5 Dr. Aseem Verma (LM-10183)
Department of FM&PE Punjab Agricultural University Ludhiana-141 004, Punjab

ISAE Awards - 2025

7- Distinguish Service Award Award

S.No.	Recipient
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- | | |
|---|---|
| 1 | Dr. Mahendiran R (LM-10806)
Professor, Department of Renewable Energy Engineering Agricultural Engineering College & Research Institute Tamil Nadu Agricultural University, Coimbatore |
| 2 | Dr. Sarvepalli Vijaya Kumar (LM-10622)
CRIDA, Edi Bazar, Saidabad post, Santoshnagar, Hyderabad |
| 3 | Dr. Ramesh Kumar Sahni (LM-11307)
ICAE-CIAE, Bhopal |
| 4 | Dr. Rajwade Yogesh Anand (LM-10541)
Scientist (SS) and PI, PFDC, Block-B, ICAR-CIAE, Bhopal |
| 5 | Dr. Manoj Kumar Mahawar (LM-10716)
ICAR-Central Institute for Research on Cotton Technology (CIRCOT), Adenwala Road, Matunga (East), Mumbai |
| 6 | Dr. Adinath Eknath Kate (LM-11305)
CIAE, Bhopal |

8- Best JAEI Reviewer Award

S.No.	Recipient
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- | | |
|---|---|
| 1 | Dr. Jyotiprava Dash
Soil and Water Engineering, Senior Scientist (SWCE) ICAR-National Bureau of Soil Survey and Land Use Planning, Nagpur |
| 2 | Dr. Manisha Jagadale (LM-11501)
Energy and other Areas Scientist, ICAR-National Institute of Natural Fibre Engineering and Technology, Kolkata |
| 3 | Dr. Manish Kumar
Farm Machinery & Power ICAR-Central Institute of Agricultural Engineering, Bhopal |
| 4 | Dr. Jayasree Joshi T. (LM-12386)
Processing, Dairy and Food Engineering Assistant Professor, Department of Food Technology, Saintgits College of Engineering, Kottayam, Kerala |

ISAE Awards - 2025

9- Best JAEI Research Paper Award

S.No.	Paper Title	Volume/Page	Authors	Affiliation
1	Paper Title: Climate Change Impact on Hydro climatic Fluxes in Kantamal Catchment of the Middle Mahanadi River Basin, India	Vol. 61(6) 890- 909	1) Soubhagya Laxmi Ray 2) Ambika Prasad Sahu 3) Jagadish Chandra Paul 4) Dwarika Mohan Das 5) Sanjay Kumar Raul 6) Subrat Kumar Kundu	(Soil and Water Engineering) 1 Department of SWCE, CAET, OUAT, (OUAT), Bhubaneswar, Odisha, India; 2 KVK, OUAT, Bhubaneswar, Odisha, India.
2	Paper Title: Performance of Micro-scale Gasifier based Power Generation Unit using Pigeonpea Stalk Pellets with Mass and Energy Flow Analyses	Vol. 61(2) 286- 298	1) Sandip Mandal 2) Krishnadeep Sahu	(Energy and others Areas) ICAR-CIAE, Nabibagh, Bhopal, India 462038
3	Paper Title: Development of an Electronic Actuating Control Mechanism to Operate a Remotely Controlled 2- Wheel Paddy Transplanter	Vol. 61(1) 01- 14	1) Shiv Kumar Lohan 2) Mahesh Kumar Narang	(Farm Machinery & Power) 1Scientist; 2Principal Extension Scientist, Department of FMPE, PAU, Ludhiana-141004, India,

ISAE Awards - 2025

S.No.	Paper Title	Volume/Page	Authors	Affiliation
4	Paper Title: Novel Thermal Processing of Packaged Egg White Powder	Vol. 61(6) 817-828	1) Sreenivasula Reddy Boreddy 2) Jeyamkondan Subbiah	(Processing, Dairy and Food Engineering) 1Departments of BSEUN, Nebraska, Lincoln, Nebraska, USA; 2Kenneth E. Morrison Distinguished Professor of Food Engineering, Departments of Biological Systems Engineering and Food Science and Technology, University of Nebraska, Lincoln, Nebraska, USA; aPresent Address: Department of Processing and Food Engineering, Dr. NTR College of Agricultural Engineering, Acharya N.G. Ranga Agricultural University, Bapatla – 522101, India; bPresent Address: Department of Food Science, University of Arkansas System, Division of Agriculture, Fayetteville, AR-72704, USA.

10- ISAE Team Award

S.No.	Name
1	Dr. Rajesh Kumar Vishwakarma (Team Leader) (LM-10250) Principal Scientist and Project Coordinator (AICRP on PHET), ICAR-Central Institute of Post-Harvest Engineering and Technology (ICAR-CIPHET), PAU, Ludhiana
2	Dr. Shadanan Patel (LM-8025) Deptt. of Agril. Processing & Food Engineering & Dean SV College of Agril. Engg. & Technology and Research Station IGKV, Raipur

ISAE Awards - 2025

S.No.	Name
3	Dr. Ms. Mridula Devi (LM-10246) Director, ICAR-Central Institute for Women in Agriculture (CIWA), Bhubaneswar
4	Dr. Guru P.N. (LM-12852) ICAR - Central Institute of Post-Harvest Engineering and Technology, P.O. PAU, Ludhiana
5	Dr. Kalyani Sharma (LM-12467) Assistant Professor Department of Post Harvest Management, College of Horticulture and Forestry, Central Agricultural University (Imphal)
6	Dr. Nachiket Kotwaliwale (LM-7558) Director, CIPHET ICAR-Central Institute of Post-Harvest Engineering and Technology (ICAR-CIPHET), PAU Campus, Ludhiana
7	Dr. Ranjeet Singh (LM-9955) ICAR-Central Institute of Post-Harvest Engineering and Technology (ICAR-CIPHET), PAU, Ludhiana
8	Er. Rahul Kumar Rout (LM-12200) IIT Kharagpur

11- ISAE - TAFE Sivasailam Memorial Student Gold Medal Award

S.No.	Recipient
1	Dr. Pranay Sarkar LM-11984



ISAE Awards - 2025

12- Winner of Ph.D. Thesis Competition 2025

S.No.	Recipient	Thesis Title	Institute	Affiliation
1	Dr. Vijay Mahore	Thesis title: An IoT enabled advisory system for precision tillage using machine learning based draft prediction.	Indian Institute of Technology, Kharagpur	Assistant Professor MPTP, NMIMS Shirpur Campus, Shirpur, Dhule, Maharashtra. 425405
2	Dr. Jambamma C.	Thesis title: Studies on supercritical fluid extraction of phytochemicals from parthenium Hysterophorus L. and its application as herbal medicine.	Institute: University of Agricultural Sciences, Raichur.	Assistant Professor Dept. of Agricultural Engineering Agricultural College, PJTAU Aswaraopet. 507301
3	Dr. Manojit Chowdhury	Thesis title: Design and development of crop canopy reflectance based real-time variable rate fertilizer application system.	Institute: ICAR- Indian Agricultural Research Institute, New Delhi	Subject Mater Specialist KVK, ICAR-CIAE Nabibagh, Berasia Road Bhopal. 462038.

13- Convener and Organization Secretary

Role	Name	Affiliation
Convener	Dr. S.P. Singh	PC, AICRP on MAH, ICAR-CIAE, Bhopal
Org. Secretary	Dr. Subir K. Chakraborty	Principal Scientist, ICAR-CIAE, Bhopal

Announcement of 7th CIGR International Conference 2028

The **7th CIGR International Conference**, scheduled for **3rd – 7th October 2028 in New Delhi, India**. It will be jointly organized by the CIGR International Commission of Agricultural and Biosystems Engineering, the Indian Society of Agricultural Engineers (ISAE), and the Indian Council of Agricultural Research (ICAR). The event aims to highlight transformative engineering innovations that empower smallholder farms and contribute to global food security and sustainability.

The conference, themed “Engineering Innovations in Small Farms for Food-Secure Future,” will address a comprehensive range of topics including land and water engineering, automation, AI in agriculture, crop production technologies, post-harvest processing, farm energy solutions, and modern system management. **ISAE is going to organise this event.**



CIGR International
Commission of Agricultural &
Biosystems Engineering



Indian Society of
Agricultural Engineers



Indian Council of
Agricultural Research



TECHNICAL SESSIONS (WITH BROAD AREAS/TOPICS)

The conference will host an extensive range of technical sessions and thematic tracks under the following seven broad areas:

[Section I: Land and Water](#)

[Section II: Structures and Environment](#)

[Section III: Plant Production](#)

[Section IV: Energy in Agriculture](#)

[Section V: System Management](#)

[Section VI: Bioprocesses](#)

[Section VII: Information Technology](#)

In addition to scientific discussions, the conference will feature: Plenary Sessions by global experts; Student Competitions (elocution, design contests); Startup Showcases and live technology demos; Use Case Presentations, exhibitions, and field visits; Cultural tours to explore the heritage of New Delhi

9th Eima Agrimach India 2025

The 9th International Exhibition & Conference on Agri-Machinery, Equipment & Agri-tech Solutions 'EIMA Agrimach India 2025' jointly organized by FICCI and Italian agriculture industry body Feder Unacoma in association with Ministry of Agriculture & Farmers Welfare, Government of India, on 27-29 November 2025 at New Delhi. The exhibition concluded with a call on focusing on green-fuel based agri machinery in the future.

EIMA Agrimach India, launched in 2009, is the first of its kind international exhibition and conference dedicated to farm mechanization technologies. Over the past eight successful editions, the event has established itself as a premier platform for connecting stakeholders across the agricultural mechanization value chain.

The 9th edition will once again showcase the latest innovations and best practices in Agri-machinery and technology bringing together over 175 exhibitors and international participation from countries such as Italy, Poland, Japan, Netherlands alongside business visitors from more than 40 countries and over 10000 farmer delegations from across India.

With national and international pavilions, the exhibition provides unparalleled opportunities for collaboration, knowledge exchange and business partnerships. Mechanization is a vital driver of India's agricultural modernization and through sustained, well-calibrated efforts, the country's agri-machinery sector is well positioned to secure a stronger footprint on the global stage.

Day1:

Plenary Session 1: Innovating with Impact – Farm Technology Addressing Farmer Challenges, scheduled on 27th November 2025, from 3:00 PM to 4:00 PM at IARI, Pusa Campus, New Delhi.

Day2:

Plenary Session 2: Farm Mechanization Startups: Driving Innovation and Accessibility in Indian Agriculture, scheduled on 28th November 2025, from 11:30 AM to 12:30 PM at IARI, Pusa Campus, New Delhi.

Plenary Session 3: Skilling Rural Youth and Farmers for a Mechanized and Digital Agriculture Future, scheduled on 28th November 2025, from 2:00 PM to 3:00 PM at IARI, Pusa Campus, New Delhi.



9th Eima Agrimach India 2025

Held at IARI ground, PUSA in New Delhi from November 27-29, 2025, the exhibition witnessed participation of about 20,000 farmers with major draw from Uttar Pradesh, Punjab, Haryana and Odisha; more than 4000 domestic dealers & distributors, 180+ domestic and foreign companies; and 100+ foreign buyers from Algeria, Nepal, Sri Lanka, Kenya, Oman, Malaysia, Morocco, Nigeria, Uganda, Vietnam, Zimbabwe, South Korea and Thailand. While Italy was Partnering country for the exhibition, Netherland, Japan, USA and Poland also participated in the exhibition.

The exhibition showcased a wide-range of agri machineries, which can be extremely beneficial for farmers of our country. Besides, the event provided the excellent opportunities to both Indian and overseas player catering to the entire value chain of agriculture sector.

Delivering a keynote address during the inaugural session, Dr. Devesh Chaturvedi, Secretary, Ministry of Agriculture & Farmers Welfare requested industry to play a pivotal role in shaping Indian agriculture sector's vision of 2047 by prioritising green-fuel based mechanization and reduce the drudgery of women farmers by making gender-neutral farm equipment to reduce workload. "Over the next 5–10 years, we should shift our technologies towards green fuels—whether electrically operated tractors or machines running on CBG (compressed biogas) available for rural CBG plants. This transition will bring down both maintenance and operational costs for farmers. Our schemes will increasingly prioritize green-fuel-based technologies. I would urge our Italian industry counterparts to collaborate in this area," he said during his inaugural address.

Terming women farmers vital for achieving the Vision 2047, the Secretary drew attention of industry towards gender budgeting and exhorted them to focus on production of gender-friendly equipment. He further stated that the United Nations has declared 2026 as the International Year of Women Farmers. Therefore, equipment must be designed to reduce the drudgery of women. "Often policy makers assume that 'gender budgeting' simply means giving ownership of machinery to women but that alone does not reduce drudgery. "Most difficult agricultural tasks are performed by women, and hence we need more gender-friendly equipment, whether manual or motorized, that genuinely reduces their workload," emphasized Dr Chatuvedi.

Mr Antonio Bartoli, Ambassador of Italy in India hoped to have an agriculture Attache in Italian Embassy in India soon to boost bilateral cooperation in agriculture field between both countries.

Shri Anbalagan P., Joint Secretary, Ministry of Agriculture & Farmers Welfare, who visited the expo on the penultimate day, expressed his satisfaction over achievement of the exhibition & conference and said that participation of large number of farmers along with a major presence of both domestic & foreign companies, dealers, distributors speak volume about the success of the event.

Mr T. R. Kesavan, Chairman, Organizing Committee- EIMA Agrimach India & Board Director and Group President, TAFE underlined the need to promote agriculture as services, as farmer will find it unaffordable to buy a seeder which is used just for couple of days. But seeder as an agriculture service can help. So, we need to create a new area of agriculture as a service. Industry has discussed this with the Ministry of Agriculture, and some progress has happened on this front.



9th Eima Agrimach India 2025

Upbeat over future of India-Italy collaboration in agriculture space, Ms. Simona Rapastella, Director General, FEDERUNACOMA said that as per Italian Trade Agency (ICE) report on India, the sector was worth a total of USD 13.7 billion in 2023 and is expected to grow significantly over the next ten years, reaching USD 31.6 billion in 2033, with an annual growth rate of about 9%.

Mr. Subroto Geed, Co-Chairman, FICCI National Agriculture Committee and President, South Asia, Corteva Agriscience said, "For India to secure its food future, improving productivity is critical. We must start by giving farmers access to the right inputs like high-quality seeds and crop solutions. We need modern practices that reduce drudgery and improve efficiency. Mechanization is a critical part of this transformation, supported by technology and progressive reforms. Together, these steps can build a resilient agricultural system that works for farmers and for the nation."

FICCI-PwC report 'Farm Mechanization: The Path Towards a Future-Ready India' was also released during the event. Ms Sabrina Mangialavori, Deputy Trade Commissioner, Italian Trade Agency noted increasing adoption of modern mechanical solutions, such as tillage, sowing, irrigation, crop protection, and threshing by Indian farmers.

The 10th edition of the event is scheduled to be organized in Italy next year.



Union Agriculture Minister holds bilateral meeting with Russian counterpart to deepen India–Russia cooperation in the sector

Union Minister of Agriculture and Farmers Welfare, Shri Shivraj Singh Chouhan, held a bilateral meeting with H.E. Ms. Oxana Lut, Minister of Agriculture of the Russian Federation, at Krishi Bhawan on 4 December 2025, where both sides discussed ongoing cooperation and outlined future areas of collaboration.

The Ministers noted that India–Russia relations are built on trust, friendship, and mutual cooperation. Shri Chouhan highlighted growing bilateral agricultural trade which is currently standing at about USD 3.5 billion; he emphasised on the need for more balanced trade and thanked Russia for resolving long-pending issues related to the export of Indian potatoes, pomegranates, and seeds.

To increase trade in agriculture commodities, both side explored possibilities of export from India in food grain and horticulture products. During the meeting, a Memorandum of Understanding (MoU) between ICAR and the Federal Center for Animal Health of Russia was signed to strengthen cooperation in agricultural research, innovation, and capacity building.

Shri Chouhan also invited the Russian side to participate in the BRICS Agriculture Ministers' Meeting to be hosted by India next year.

Both countries agreed to deepen cooperation in agricultural trade, fertilizers, seeds, market access, and joint research, reaffirming their commitment to advancing innovation and benefitting farmers of both nations. Ms. Lut showed keen interest in increasing trade and strengthening cooperation in agriculture sector.

In addition to the Agriculture Minister, the Russian delegation included Mr. Maxim Markovich, Deputy Minister; Ms. Marina Afonina, Deputy Minister; Mr. Sergey Dankvert, Head of FSVPS and Mrs. Daria Koroleva, Director, Asia Division; among other members of the delegation.

Representing India were Secretary of the Department of Agriculture & Farmers Welfare, Shri Devesh Chaturvedi; Secretary DARE Sh. M. L. Jat and Secretary Department of Fertilizer Sh. Rajat Kumar Mishra, representative of the Ministry of External Affairs; Joint Secretaries from DA&FW, along with other senior officers.



Growth of Agri-Tech Startups and Digital Agriculture Mission

The government has taken various steps for rapid growth of agri-tech startups and to promote the adoption of new and emerging technologies in agriculture such as Artificial Intelligence (AI), precision farming, drone technology, and climate-smart agriculture in the States/UTs, such as:

1. The Department of Agriculture & Farmers' Welfare (DA&FW), Government of India is implementing the "Innovation and Agri-Entrepreneurship Development" programme under Rashtriya Krishi Vikas Yojana (RKVY) from 2018-19 onwards with an objective to promote innovation and agri-entrepreneurship by providing financial support and nurturing an incubation ecosystem in the country. This Department has appointed six Knowledge Partners (KPs) and twenty-four RKVY Agribusiness Incubators (R-ABIs) from across the country for implementation assistance and incubation of startups under this programme. Under this programme, for idea/pre-seed stage, a selected start-up shall be eligible for a maximum financial assistance of Rs. five lakhs in one instalment. For seed stage, a selected start-up shall be eligible for a maximum financial assistance of Rs. Twenty-five lakh in two instalments of 50% and 50% based on the recommendation given by the Selection and Investment Committee (SIC). Each KP can select a maximum 20-25 start-ups and each R-ABI can select a maximum 10-12 start-ups in each category of pre seed and seed stage in a financial year. Trainings, Technical and financial assistance is provided to startups to launch their products, services, business platforms, etc into the market and facilitate them to scale up their products and operations to attain business viability. More than 6000 Agri-Startups have been trained by KPs and R-ABIs so far under this programme. So far, 2096 Agri-Startups have been supported with technical and financial assistance under this programme during FY 2019-20 to 2025-26. The funding support of Rs. 168.14 crore grants-in-aid have been released in instalments for funding to these 2096 agri- Startups to the respective KPs & R-ABIs by DA & FW. Start-ups are taking projects in various field of agriculture and allied sectors like Precision agriculture including applications of sensor, Artificial Intelligence (AI), Internet of Things (IoT), Information & Communication Technology (ICT), & drone, Farm Mechanization, Post-Harvest, Food Technology & Value addition, Supply Chain and Agriculture logistics & agriculture inputs, Waste to Wealth & Green Energy in Agriculture & Organic Farming, Allied Sectors etc.

2. In order to promote use of drones in agriculture, under SMAM, financial assistance @ 100% of the cost of drone up to a maximum of Rs. 10 lakhs per drone is provided for its purchase and demonstration on the farmers' fields by the institutes under Indian Council of Agricultural Research (ICAR), Farm Machinery Training & Testing Institutes, Krishi Vigyan Kendras (KVKs), State Agriculture Universities (SAUs), State and other Central Government Agricultural Institutions/Departments and Public Sector Undertakings (PSUs) of Government of India engaged in agricultural activities. The Farmers Producers Organizations (FPOs) are provided grants up to 75% of the cost of Kisan Drone for its demonstrations on the farmers' fields. In order to make available drone services to farmers on rental basis, financial assistance @ 40% up to a maximum of Rs. 4.00 lakhs are provided for purchase of drones by CHCs under Cooperative Society of Farmers, FPOs and Rural entrepreneurs. Agriculture graduates establishing CHCs are eligible to receive financial assistance @ 50% of the cost of drone up to a maximum of Rs.5.00 lakhs per drone. For purchase of drones on individual ownership basis, the Small and Marginal, Scheduled Caste/Scheduled Tribe,.

Growth of Agri-Tech Startups and Digital Agriculture Mission

Women and North Eastern State farmers are provided financial assistance @ 50% of the cost up to a maximum of Rs. 5.00 lakhs and other farmers @ 40% up to a maximum of Rs. 4.00 lakhs per drone.

Further, Sub Mission on Agricultural Mechanization (SMAM) is being implemented w.e.f 2014-15 through States/UTS Governments. SMAM is now being implemented under the umbrella of the Centrally Sponsored Scheme of RashtriyaKrishiVikasYojana (RKVY). The scheme aims at 'reaching the unreached' by bringing to the small and marginal farmers in the core, including women farmers and giving the benefits of farm mechanization, by promoting 'Custom Hiring Centers', creating hubs for hi-tech & high-value farm equipments, distribution of various agricultural equipment, and creating awareness among stakeholders through demonstration and capacity building activities.

The Government has established four Farm Machinery Training and Testing Institutes at Budni (Madhya Pradesh, Hisar (Haryana), Garladinne (Andhra Pradesh) and Biswanath Chariali (Assam) under the administrative control of the Department of Agriculture and Farmers Welfare. These institutes are imparting training to Farmers, including women farmers/Technicians/ Engineers/ Unemployed Youths/ Machinery Manufacturers, etc., under various training programmes on the latest technology of farm mechanization, including kisan drones.

3.The Government has approved 'Namo Drone Didi' as a Central Sector Scheme for providing 15,000 drones to the Women Self Help Groups (SHGs) with an outlay of Rs. 1261 Crores for the period from 2023-24 to 2025-26. The major objectives of the scheme is to promote advanced technology in agriculture for improved efficiency, enhanced crop yield & reduced cost of operation and to empower SHGs as drone service providers for increasing their income and providing livelihood support to them. Lead Fertilizer Companies (LFCs) have distributed 1094 drones to drone didis of SHGs in 2023-24 using their internal resources. Out of these 1094 drones, 500 drones have been distributed under the Namo Drone Didi Scheme.

4.Department of Agriculture & Farmers Welfare is implementing the Centrally Sponsored Scheme of Per Drop More Crop (PDMC) in the Country from 2015-16. PDMC focuses on enhancing water use efficiency at the farm level through Micro-Irrigation, namely Drip and Sprinkler Irrigation Systems. The Micro Irrigation helps in water saving as well as reducing fertilizer usage through fertigation, labour expenses, other input costs and overall income enhancement of farmers. The Government provides financial assistance @ 55% for small and marginal farmers and @ 45% for other farmers for the installation of Drip and Sprinkler systems under the PDMC.

5.Pradhan Mantri Fasal Bima Yojana (PMFBY) envisages the use of improved technology. Accordingly, the National Crop Insurance Portal (NCIP) and the Application for Intermediary Enrolment (AIDE) app have been developed to disseminate information about the scheme to the farmers. Farmers, can insure themselves through the portal and apps and check

Growth of Agri-Tech Startups and Digital Agriculture Mission

the status of their application, claims etc. Further, Village Level Entrepreneurs (VLEs) under Common Service Centres (CSCs) have also been engaged to enroll farmers and disseminate coverage information, claims etc. Government has taken various steps to strengthen implementation of the scheme, leveraging technology in implementation of the scheme, capturing of yield data/Crop Cutting.

6. The Government has approved the Digital Agriculture Mission, which envisages the creation of a Digital Public Infrastructure (DPI) for Agriculture, such as AgriStack, Krishi Decision Support System, and a comprehensive Soil Fertility & Profile Map to enable a robust digital agriculture ecosystem in the country. This, in turn, would drive innovative farmer-centric digital solutions and make reliable crop-related information available to all farmers on time. The AgriStack DPI consists of three foundational registries or databases associated with the agriculture sector, i.e., Geo-Referenced Village Maps, Crop Sown Registry, and the Farmers Registry, all created and maintained by the State Governments/ Union Territories. The government is providing technical and financial support to all the states/UTs to implement this DPI.

7. The Mahalanobis National Crop Forecast Centre (MNCFC) under the Ministry of Agriculture & Farmers Welfare also plays a pivotal role by leveraging space and geospatial technologies for agricultural applications as follows:

1. Forecasting Agricultural output using Space, Agro-meteorology and Land-based observations (FASAL) Project: MNCFC operationalizes this project to generate pre-harvest crop production forecasts at national, state, and district levels for major crops using satellite remote sensing (optical and microwave data). This is a core part of satellite-based crop monitoring.
2. Drought Monitoring: MNCFC actively provides drought assessment and monitoring using satellite-derived indicators for timely disaster response.
3. Support to Crop Insurance Activities (PMFBY): MNCFC supports the Pradhan Mantri Fasal Bima Yojana (PMFBY) for various activities through the Yield Estimation System based on Technology (YES-TECH), Planning of Crop Cutting Experiment (CCEs), and addressing disputes for yield and area discrepancies.



AI-Based Weather Forecasting Initiatives for Farmers

An AI-based pilot was conducted in collaboration with the Development Innovation Lab- India on agriculturally relevant local monsoon onset forecasts across parts of 13 states in India for Kharif 2025. An open-source blended model was used, including NeuralGCM, the European Centre for Medium-Range Weather Forecasts' (ECMWF) Artificial Intelligence Forecasting System (AIFS), and historical rainfall data from 125 years from the India Meteorological Department (IMD). The probabilistic forecasts predicted only the local onset of the monsoon, which is essential for deciding on the date of sowing crops. Local monsoon onset forecasts were sent via SMS through the M-Kisan portal to 3,88,45,214 farmers in 13 states in five regional languages- Hindi, Odia, Marathi, Bangla, and Punjabi. Telephonic farmer feedback surveys were conducted in Madhya Pradesh and Bihar through Kisan Call Centres after the forecasts were sent. The survey revealed that 31–52% farmers adjusted their planting decisions, primarily through changes in land preparation and sowing timing, which included crop and input choice.

Further, the government has employed Artificial Intelligence (AI) methods to improve crop productivity, sustainability and farmer livelihoods and to address various challenges in the agricultural sector. Some initiatives are given below:

1. “Kisan e-Mitra” is a voice-based AI-powered chatbot, developed to assist farmers with responses to their queries on PM Kisan Samman Nidhi scheme, PM Fasal Bhima Yojna and Kisan Credit Card. This solution supports 11 regional languages and is evolving to assist with other government programs. At present, it handles over 8000 farmer queries daily and so far, more than 93 lakh queries have been answered.

2. The National Pest Surveillance System, for tackling the loss of produce due to climate change, utilizes AI and Machine Learning to detect pest infestation in crop issues, enabling timely intervention for healthier crops. This tool, currently used by over 10,000 extension workers, allows farmers to capture images of pests to help them mitigate pest attacks and reduce crop losses. At present, it supports 66 crops and over 432 pests. AI-based analytics using field photographs for satellite-based crop mapping is being used in Crop-weather matching monitoring of crops sown.



New Members

Life Members

Membership No.	Name of Members
LM-12874	Er. Gowthami Eeda
LM-14257	Shree Anshuman Ghosh
LM-14258	Dr. Ran Vijaya Rai
LM-14259	Er. Balkrishna Patel
LM-14260	Er. Prafulla Pandey
LM-14261	Dr. M.M. Shulee Ariina
LM-14262	Dr. Amey Pathak
LM-14263	Er. Deepika Yadav
LM-14264	Er. Subhabrata Basu
LM-14265	Dr. Rehana Raj
LM-14266	Dr. Prabhash Mishra
LM-14267	Er. Jayen Modi
LM-14268	Dr. Amit Kumar
LM-14269	Er. Megha P P
LM-14270	Dr. Dayanand Kumbar
LM-14271	Dr. Sandip Ghole
LM-14272	Er. Jaydeep Shewale
LM-14273	Dr. Senthilkumar Thambiannan
LM-14274	Er. Athira P
LM-14275	Dr. Krishna Prasad G
LM-14276	Er. Mohanaselvan T
LM-14277	Er. Biman Majumdar
LM-14278	Er. Pooja Ingle
LM-14279	Dr. Aditya Raj
LM-14280	Er. Mukesh Pattaiya
LM-14281	Er. Sahil Yadav
LM-14282	ShreeRakesh Verma
LM-14283	Er. Khyati S. Dave
LM-14284	Er. Teesha A. Dadhaniya
LM-14285	Er. Kavya Pendram
LM-14286	Er. Vishnu B
LM-14287	Er. Ulka Sarkar
LM-14288	Dr. Archana Ramchandra Mohite
LM-14289	Er. Kotnaka Pushpalatha
LM-14290	Dr. Abhijit Debnath
LM-14292	Dr. Vikas Kumar
LM-14293	Dr. Narayan Borkar
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