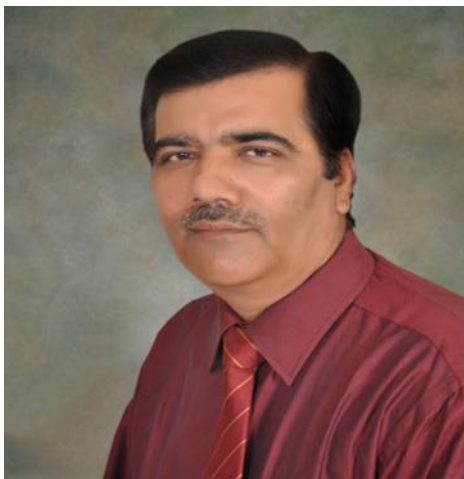


KNOW THE CONTESTENTS FOR ISAE-EC (25-28)

President

1. Dr Shyam Narain Jha



Dr. SN Jha, Deputy Director General (Agricultural Engineering), ICAR is elected and Founder **President of the Indian Society of Agricultural Engineers (ISAE) and Bihar Agriculture Science Academy**, respectively. He is pioneering research on *makhana (Euryale ferox)* processing and value addition that spreading in national/International markets. His efforts helped in getting GI tag as *Mithila makhana* and famous in world as super food. He is known as *makhana man* and honoured with *Mithila Vibhuti Samman*.

Dr. Jha is pioneering nondestructive sensor based technologies for food safety/quality determination in India and is main initiator of food testing (MoFPI established 40 NABL accredited) laboratories in country. **Modeling** for internal pressure during grain roasting and **modified Beverloo equation** for grain-hopper feeding mechanism design are his addition to theory of Science. These contributions have opened new vistas of research in Indian agriculture.

Development of cooled storage structure and **Horticulture Train**, which latter implemented by Government as **Kishan Train** are reducing post-harvest losses of perishables by 4-5%. His recommendations for **uniform norms for allowable loss**, storage protocols and pulse milling outturn in FCI godowns have been enacted in whole country and is saving about Rs. 500 crores annually. Post-harvest loss assessment method perfected under his leadership was recognized by **FAO**. Decentralized food grain storage and Secondary Agriculture concepts of him have been implemented by GOI and Bihar Government for sanctioning new college, whereas Karnataka has established a new department. His work has impacted government policies for storage, transport, processing, and mechanization, restricting import of agri-machinery, adoption of quality stainless steel in agri-machinery and utensils though BIS standards in the country significantly.

Drives for opening of Agricultural Engineering department/colleges in states by him have resulted in recommendation of Parliament Standing Committee on Agriculture; and Chhattisgarh and other states have opened the department and announced/started process for the same. **He has made ISAE a truly International and one of the biggest Scientific Society of India**. New B. Tech. courses in Agricultural Engineering and related subjects upon his persuasion have also been started/being sanctioned in some states. Dr. Jha's interventions in curriculum development resulted in inclusion of contemporary courses such as Sensor, Robotics and AI in Agriculture and Food safety and Quality in UG.

Dr. Jha's efforts for institution building such as upgradation of *makhana* research Institute and regional stations, starting two Agricultural Research Services disciplines, Institutes'/AICRPs' renaming and mandate updation; and establishing **Bihar Agricultural Science Academy** are noteworthy. His citations (**5667** with **h-index 41** on 06/01/2025) made him in top **2% world's food scientists' list** during 2019-24. He is credited with 12 commercialized/adopted (**eight patents one in PCT Countries**) technologies, **310 publications** (including **six books**, one each from **Elsevier and Springer**, 23 book chapters), **28 awards/recognitions** including ICAR-Rafi Ahmed Kidwai, NRDC Societal Innovation Awards, NAAS fellowship. Dr. Jha is also chairman/member of numerous scientific/BoG/Authorities for making policies and programmes for the country. He is presently leading

ICAR farm mechanization and automation programme and is a renowned personality in the field of Agricultural Engineering.

Work Plan of Dr. S. N. Jha for ISAE during 2025-2028

The Indian Society of Agricultural Engineers (ISAE) has been made a truly International Scientific Society of India and has already reached a new heights during my first tenure (2021-2025). Efforts will be put to further enhance its stature during the next tenure. The brief agenda, not limited to, for period 2025-2028 shall be as below:

1. As our JAEI and AET have reached a new height, so now more International authors, reviewers and contributors in our publications will be attracted to double the citations what presently of JAEI and AET we have, if elected.
2. All efforts for approval and indexing of Journal of Agricultural Engineering (India) (JAEI) of COPE and Scopus/Clarivate/Web of Science, respectively shall be put.
3. Transfer of JAEI to reputed International publisher for its printing and marketing will be tried.
4. AET publications in some more Indian languages in collaboration with some professional agencies or ISAE itself will be ensured.
5. Intensification for opening of Directorate/Departments with some more posts in some more states and union territories.
6. Collaboration with industries and state Governments in their activities in terms of consultancies, standard making and equipment testing.
7. Quality preparation for organizing CIGR 2028 International Agricultural Engineering conference/congress in New Delhi for which we have already won the bid, MoUs have been signed and preparation started.
8. More conferences involving International members'/industries problem solving workshops/symposiums in online/offline mode will be carried out.
9. Introduction of online award application/screening/election nominations/conference paper submission and its certificate generation system to make society further transparent in its activities.
10. Membership drive to reach altogether 10000 members in next three years.
11. Students PhD thesis, machinery & new food design competitions, aid to selected students for their paper presentations, trainings in industries as per norms and capacity will be started. Trainings for writing acceptable research papers/articles and drafting winnable Research Projects will be carried out.
12. Strengthening of Society's chapter needs further attention. Many chapters have been made very active during last three years. Further efforts will be made to reduce the hurdles and make all 36 chapters vibrant and further active.
13. Further efforts will be put for job creations for our students in Government sectors, private companies and corporations.
14. More participations in International activities will be carried out to make ISAE further Internationally recognized society.
15. Doubling the Corpus funds of ISAE and making it economically further stronger to start new activities for strengthening ISAE Headquarter for further better services to members. To increase the funds, consultancy, paid reports, standards making, machinery testing for needy clients/industries, online selling of individual articles/papers/reports and advertisements will be started. Efforts will be put to make ISAE eligible for CSIR funds and the same will be attracted to build the funds for expanded activities at District/state level.

2. Prof. Indra Mani



Prof. (Dr.) Indra Mani is serving as the Vice-Chancellor of Vasant Naik Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra) from 25th July 2022. Prior to this appointment, Prof. (Dr.) Indra Mani served as Joint Director Research, Coordinator of School of Natural Resource Management, Incharge of Centre for Protected Cultivation Technology (CPCT) and Head Division of Agricultural Engineering at ICAR-Indian Agricultural Research Institute, New Delhi.

Dr. Indra Mani has made significant strides in advancing the agricultural engineering profession in India. His extensive leadership roles include serving as Secretary General ISAE from 2013 to 2018 and as its President from 2018 to 2021. During his tenure, Dr. Mani significantly bolstered the visibility and impact of agricultural engineering on both national and global platforms. Dr. Mani has played a pivotal role in forging strong partnerships and networks with international agricultural engineering organizations, including ASABE (USA), NSAE (Nigeria), NSAE (Nepal), MSAE (Malaysia) and Asian Association for Agricultural Engineering (AAAE). Under Dr. Mani's leadership, ISAE established robust linkages between industry, academic institutions, farmers, and grassroots innovators, and positioned ISAE as a cornerstone in implementing a vision that integrates industry partnerships into the profession's growth. One of the significant outcomes of his initiatives is the ISAE-TAFE Gold Medal, supported by TAFE, encouraging academic excellence and innovation of young agril.engineers. As an expert member of advisory boards for key funding agencies such as SERB, DST, DSIR, TDB, and NIF, Dr. Mani has been a staunch advocate for agricultural engineering research and innovation. His efforts have ensured proper representation of agricultural engineering in national research priorities and has led to special project call by DST for agro-tech innovations. He served as Chairman of various national committees on agricultural mechanization, including those for developing India's agricultural drone policy. He also took strong initiatives for establishment of directorate of agricultural engineering in different states with its initiation from ISAE Convention in Anand, Gujarat. His efforts have centered on strengthening agricultural engineering in colleges and states through faculty development, skilling initiatives, industry collaboration, securing funding, addressing issues faced by agricultural engineers, and ensuring proper representation of the discipline. These initiatives have contributed to the overall development and recognition of agricultural engineering as a vital profession in the country. In continuation of such efforts for taking agril. engineering profession to next level in the country, Dr. Mani will focus on the following:

A. Agricultural Engineering Profession Development in the Country

1. Developing a comprehensive plan with Govt. and Industry to address the issue of declining admissions in agricultural engineering colleges in different states.
2. Develop strong industry connect between agricultural engineering colleges by facilitating establishment of industry sponsored skilling and entrepreneurship centres.
3. Ensure establishment of Directorate of Agricultural Engg. in different states which we started with ISAE Convention at Anand.
4. Take proactive steps to prevent the dilution of interests of core agricultural engineering discipline at different platforms.

B. Improving ISAE Functionality and Its National Stature

5. Work for CSR registration of ISAE for active involvement of ISAE in farmers welfare and nation building through CSR activities.
6. Ensure internal democracy in ISAE Executive Committee and Council to have maximum participation and contributions by members as individual and as team.

7. Enhance the functioning and outreach of ISAE Chapters and strengthen the chapters with proper financial support from HQ.

8. Increase women's representation and participation in all ISAE activities, committees, and programs, introducing special award for women in the field.

C. Nurturing Future Generation of Agricultural Engineers

9. Introduce M.Tech. and Ph.D. thesis awards across other sub-disciplines (SWCE, PFE, Energy & others), in partnership with relevant industries, as done for FMPE with the ISAE-TAFE Gold Medal.

10. Facilitate ISAE-Industry sponsored participation for postgraduate scholars in conferences and symposia.

11. Launch ISAE Youth Convention to foster their active participation in shaping the future of agricultural engineering.

12. Address agricultural engineering student and faculty issues through regional meets and consultation with concerned authorities to resolve eligibility, syllabus, and employment concerns.

D. Enhancing ISAE Journal's Global Impact

13. Appointment of foreign editors and indexing of JAE in major international databases to boost visibility and attain IF.

14. Establishing clear timelines for manuscript decisions to streamline editorial workflow and save author interest.

E. Other Key Initiatives

15. Establishing platform for academia-industry collaboration to secure research funding and solve industry-specific problems effectively.

16. Introducing specialized Farmers' Sessions during all ISAE conferences, symposiums workshops to address on-ground challenges and showcase innovative solutions.

17. Work with concerned authorities for introduction of agricultural engineering programs in IITs and Other institutes of national importance.

18. Work with DST and other funding agencies for special call on funding related to agricultural engineering related researchable issues.

19. Organize skill development certificate programmes in key areas like AI, ML, drone, robotics etc through collaboration with industry.

20. Develop a portal for unemployed agri-engineers and organize mentorship programmes to make them best suited for different job opportunities.

VICE PRESIDENT (TECHNICAL)

1. Dr. A.G. Mohod



Head, Deptt. Of Renewable Energy Engineering, Dr. B.S.Konkan Krishi Vidyapeeth, Dapoli-415712
Ph.09423874260; Email- atulmohod72@gmail.com , agmohod@dbskkv.ac.in

Technical Director (Energy), ISAE, ND ORCID ID: <http://orcid.org/0000-0001-7596-1752>

• Former Head (Ag. Engg.) DBSKKV, Dapoli, • Former Associate Dean, College of Agriculture,Dap.

• Former Director of Extension Edu. DBSKKV, Dapoli

Professional Specialization

Agricultural Engineering (Renewable Energy Engg.); Solar Energy for Agriculture, Biomass and Biofuel, Energy Auditing and Conservation

Education:

B.Tech. Agril. Engg (1996) : Dr.PD Krishi Vidyapeeth, Akola (M.S.)

M.Tech. Energy Management (1998) : School of Energy & Environmental Studies, DAVV, Indore (MP)

Ph.D. Renewable Energy Engg. (2010) : CTAE, MPUAT, Udaipur, (Raj.)

Teaching and Evaluation:

Twenty Two years of experience for teaching and evaluation of **16 Courses** for B.Tech, M.Tech and Ph.D of Renewable Energy Sources and Others. Recognized **PG and Ph.D. teacher** for M.Tech. and Ph.D. research project by DBS Konkan Krishi Vidyapeeth, Dapoli. Completed 16 M.Tech and 05 PhD student as Major Advisor

Organizational Affiliation/ Membership

: • Member, ICAR-BSMA committee for PG and PhD (REE) • Life Member, Indian Society of Agril. Engineers, New Delhi • Life Member, Asian Society of Extension Education, Pune • Member, Institute of Engineers, Kolkata, India • Life member, Indian Society of Env. Sc. and Tech, Mumbai • Chairman, Board of Studies, Deptt. of REE, CAET, Dapoli • Elected Member, Faculty of Ag. Engg. (2006-2013), Dapoli. • Member, Academic Council, Dr. B.S. K..K.V., Dapoli. • Member, Vocational Education Framework, AICTE, ND -2011 • Technical Director (Energy), ISAE, New Delhi (2021-24)

Publications: • Scientifically reviewed and abstract indexed papers : 72 Technically reviewed articles : 42 Extension/Popular articles : 31; Book/Bulletin/Folders : 08; Radio Talk/ TV Show : 09

Awards: • Winner of the INDIA DEVELOPMENT MARKETPLACE-2007 organized by The WORLD BANK, New Delhi • ISAE 2010 best M.Tech. Thesis for guided student project • Gold medal for best Ph.D. Thesis-2010, MPUAT, Udaipur • Acquired 2nd winner for guided student project at DIPEX-2002 • Acquired 1st winner for guided student project at DIPEX-2003 • Acquired 2nd winner for guided student project at DIPEX-2004 • Acquired 2nd winner for guided student project at DIPEX-2016 • Best Teacher Award from ICAR-DBSKKV, Dapoli -2014 • Best Research Paper Award from Institute of Engineers-2015 • Best Paper Presentation Award from Springer -2015 • Best Paper Presentation Award at national conference of economics, 2019 • Best Paper Presentation Award at International conference of ISAE, ND, 2022. • Inspire Manak Award of National Innovation Foundation, Gandhinagar- 2022 • Inspire Manak Award of National Innovation Foundation, Gandhinagar- 2022.

Contribution to ISAE : • Worked as ISAE Technical Director (Energy and Other) during 2021-24

Worked as Placement Councilor for employability, entrepreneurship and skill development. Worked in Technical Committee at National Convention of ISAE held at Dapoli 2004. Recipient of ISAE Best M.Tech student thesis award-2010. Associate Editor for ISAE JAE during 2015-21. Worked as Secretary, ISAE, Dapoli chapter from 2016-2021. Worked as rapporteur, Co-chairman for energy session at different ISAE conventions. Actively participating in ISAE Conventions and advocating key role of Renewable Energy. Participated in ISAE webinar series on Automation in Agriculture, 2020. Organized different technical programs/webinar/expert talks on Renewable Energy through local chapter.

2. Dr. K. Narsaiah



Designation : ADG (Process Engg.)

Email : k.narsaiah1@icar.org.in, knarsan@gmail.com

Educational Qualifications:

Degree	Year	Institution	Area of Specialization
Ph.D.	2004	I.I.T. Delhi	Biochemical Engineering and Biotechnology
M. Tech.	1995	I.I.T Kharagpur	Dairy and Food Engineering

Professional experience:

Designation	Pay Scale/ Pay Level	Organization/ Institute	Period (DD/MM/ YYYY)	
			From	To
ADG (PE)	Level 14	ICAR, New Delhi	31-10-2022	Cont.
Head, AS&EC Division and PS	37,400-67,000 RGP: 10,000	ICAR-CIPHET, Ludhiana	20-07-2018	30-10-2022
Principal Scientist	37,400-67,000 RGP: 10,000	ICAR-CIPHET, Ludhiana	20-07-2012	19-07-2018
Senior Scientist	37,400-67,000 RGP: 9,000	ICAR-CIPHET, Ludhiana	20-07-2009	19-07-2012
Sr. Scientist	12,000-18,300	ICAR-CIPHET, Ludhiana	20-07-2006	19-07-2009
Scientist (SS)	10000-375-15200	ICAR-NDRI, Karnal	03-12-2003	19-07-2006
Scientist	8000-275-13500	ICAR-NDRI, Karnal	03-12-1997	02-12-2003
Project Engineer	-	Wiegand India (P) Ltd. New Delhi	05-03-1995	30-11-1997

Peer reviewed Papers published : 60
 Books and Book chapters : 2 and 10
 Patents : granted- 7/ filed- 2
 Presentations in conferences : 86
 Externally funded projects : 6
 Google Scholar H index : 22 and Scopus H index: 19
 One copyright filed and one microorganism deposited with NCBI

Awards received:

Fellow of National Academy of Agricultural Sciences (NAAS) (2025)
 ICAR National Fellow (2015)
 Fellow of Indian Society of Agri. Engineers (ISAE) (2023)
 Fellow of National Academy of Dairy Sciences (India) (2018)
 Best paper award for research paper published in JAE (ISAE) for the year 2016
 Fellow of Institution of Engineers (India) (2016)
 Fellow of Society for Applied Biotechnology (2013)
 Commendation medal of Indian Society of Agri. Engineers (ISAE) (2012)
 Research Team Award of ISAE (2012)
 Distinguished Service Certificate of ISAE (2009-10)

Areas of expertise: Membrane processing and microencapsulation, non-destructive quality Evaluation, design of dairy and meat processing equipment, automation & instrumentation including biosensors for food safety

Workplan

Having been an active member of this society, Editor in JAEI and passionate about its growth and success, I am excited about the opportunity as Vice President (Technical Council) to contribute to our collective future with following few specific initiatives (with many more on the radar of the society):

1. Each chapter- One Technical Activity: Motivate all chapters to organize at least regional Convention/ Seminar/ Workshop and assist them in identifying themes and organizing the event. More emphasis will be on practical, hands-on workshops with experts to hone existing skills and acquire new ones to keep member ahead of the curve in an ever-evolving technical landscape.
2. Enhancing technical scope: Efforts to enhanced fusion of biology, microbiology, chemistry and biochemistry aspects into curriculum of agricultural engineering as well as to the outlook of the Society.
3. Leveraging digital resources and tools: To upload curated data and technical information (e.g. podcasts, blogs, vlogs etc)
4. Enhancing quality and technical rigour of technical sessions of CIGR 2028 International conference of Agricultural Engineering in India and ISAE Annual conventions

I pledge to promote collaboration, commitment, diversity and inclusivity, innovation and transparency and will leave no stone unturned to propel ISAE to greater heights through technical excellence.

VICE PRESIDENT (ACTIVITY)

1. Dr Nutan Kumar Dash



NUTANKUMAR DASH IS LIFE MEMBER OF ISAE SINCE MORE THAN 44 YEARS AND CREATED EMPLOYMENT POTENTIALS FOR AGRICULTURAL ENGINEERS ON INTRODUCTION OF NEW INNOVATIVE TECHNOLOGIES LIKE DRIP IRRIGATION, GREEN HOUSE TECHNOLOGY, LOW COST ONION STORAGE STRUCTURES, PACK HOUSES FOR PRIMARY PROCESSING. GUIDED AND ACTED AS CONSULTANT FOR CHES, IIHR, BANGALORE, CTCRI, NHM, NMM, NMMI, WR DEPT, GOO, GOI, CDB GOIU/T, CREATED AWARENESS AT VARIOUS PLACES OF ODISHA FOR INNOVATIVE TECHNOLOGIES, POPULARISED AND IMPLEMENTED WHICH WAS ACCEPTED BY VARIOUS FARMERS /STAKE HOLDERS REMARKABLY.

HE WAS TRUE PROFESSIONAL LOVER AND PROVEN BY DOING SILENTLY WITH DEDICATION, HONESTLY, SINCERELY ALL DEVELOPMENTAL WORKS WITHIN HIS LIMIT IN HIS LIFE TIME TILL DATE.

FURTHER IF HE WILL GET YOUR BLESSINGS THEN DEFINITELY HE WILL ACTIVISE THE CHAPTERS AND DO SOME EXPECTED UNDO PENDING WORKS FOR OUR PROFESSIONAL DEVELOPMENT AS A WHOLE FOR AGRICULTURAL ENGINEERING PROFESSION.

2. Dr S MANIVANNAN



Dr S Manivannan presently working as Principal Scientist (Land and Water Management Engineering) at ICAR – Indian Institute of Agricultural Research Assam is having 27 years of experience in research and development activities in the field of soil and water conservation engineering. Served one year in State Agricultural University and State Department and **26 years in Indian Council of Agricultural Research across the country**. Immensely contributed for the development of soil and water conservation measures, water harvesting structures, ground water recharge, multi-tier land use systems, multiple water use system for enhancement of livelihood security of small farmers.

Member in various District level watershed committees and Nodal agencies and advising line departments and NGOs for effective implementation of watershed programmes. I have been invited by various engineering colleges and Universities as external examiner and guest lecturer. I also provided advisory services to various state departments including municipalities on rehabilitation of land slide areas as well as prevention of mass erosion.

Organized seven National and International conferences and also conducted sizable number of trainings on soil & water conservation and watershed management to farmers, students, field level engineers, middle and senior level officers. Presented research papers in various National and International seminars and has 190 publications to credit. Visited Israel and Germany for international post graduate course on Hydrology and Meteorology and Exploit possibility of collaborative research projects between India and Germany

Presently holding the position of President of Agricultural Research Service Scientists Forum (ARSSF) and served as vice - president (Western Zone) for two consecutive terms and implemented various demands for the benefits of ARS Scientists. I also served as General Secretary for 4 years and joint secretary for six years in Agricultural Research Service Scientists Forum. Life member in ten scientific societies and office bearer in some of them. Active Vice President (South Zone) of Soil Conservation Society of India, New Delhi and Secretary (Southern Regional Chapter) of Indian Association of Soil and Water Conservationists, Dehradun.

I have been awarded by Indian Council of Agricultural Research, New Delhi the **Vasantrao Naik Award** for outstanding research applications in dry land agriculture during the year 2009 for development and transfer of bioengineering measures and micro- scale water harvesting structures for sustainable production of Cashew. Received **Distinguished Service Certificate Award** for the year 2015 from Indian Society of Agricultural Engineers, **Leadership Award for the year 2017** and **National Fellow of Soil Conservation Society of India for the year 2018** for his dedicated efforts in the field of soil and water conservation. Recently received **Commendation Medal Award from Indian Society of Agricultural Engineers for the year 2020**.

Work Plan:

Strengthening of ISAE by extending its activities to various stake holders of Agricultural engineering across the country. Facilitating to create various wings of ISAE for specific purposes or categories like students' units, industry units, line department units within the states as well in national levels. This will enhance the activities and publicity of Agricultural Engineering activities across the country. Actions will be initiated to promote the ISAE activities beyond ICAR institutes and State Agricultural Universities. Creation of online interactive platform for updating all activities of state chapters and all sub wings of ISAE likely to be created. Creating many sub units and enhancement of activities of various sub units will make ISAE as larger organization. I assure to take all measures for growth and wide spread of ISAE.

SECRETARY GENERAL

1. Dr H G Kamble



Dr H G Kamble started his career as Scientist in ICAR – Indian Agricultural Research Institute (IARI), Regional Station at Karnal. Later on he became Senior Scientist and Principal Scientist in IARI due to his outstanding performance.

He was the Head, Farm Operation Service Unit at IARI. Dr Kamble graduated from Purnabroo Deshmukh Krishi Vidhyapeeth, Akola, Maharashtra and did his post-graduation & PhD from ICAR-IARI, New Delhi. He was actively involved in design and development of Bajra (Pearl millet) thresher, evaluation of multipurpose tracer blade, barley thresher for experimental plots, tractor operated weeder, manual weeder, tractor drawn mould board rider and many more.

He has also successfully completed many projects such as mechanization of experimental plot NATP, projected cultivation of vegetable crops, precision plant and spraying equipment for vegetable crop production, precision farming of wheat & rice Mega project, watershed based water management for sustainable development etc. Dr Kamble has written books on Improved Threshing and Winnowing Machinery, Repair and Maintenance of Experimental Plot Machine, Experiment Plot Machinery, Weed Control Technology, Paddy Transplanter Machinery and Improved sowing Equipment.

In recognition of his valuable contribution in the field of Agricultural Engineering, The Institution of Engineers (India) facilitated Dr H G Kamble as an Eminent Engineering Personality Award in the year 2018.

When I was posted at IARI (R.S), I was handling wide range of works, etc labour management security in-charge and mechanised farm operation. I reclaimed around 13 acres of land suitable for cultivation. Beside workshop In-charge, I developed farm machines which became assets of IARI was expert in number of interview of labour Ministry.

1. Paper setter and evaluation of 17 numbers of labour, systems, Shram Shakti Bhawan, Technical Post.
2. Experts in K.V.S and N.V S for Teacher Assistant Commissioner
3. Conducted interview in IARI and ICAR Institute.
4. Participated for assessment of scientist post in four ICAR Institutions.
5. Acted as expert for the post of Asst. Professor and Professor at North Eastern State-4 times.
6. Managed totally mechanised farm of around 700 acres.
7. The repair and maintenance of tractors, Agril. Machinery and tube well were managed within the farm workshop
8. All imported machinery available at IARI, its repair and maintenance done under my supervision and operated efficiently.
9. All farm roads were managed properly by using available machinery.

10. All tube wells were managed and met all the demands of all scientists of IARI.

2. Dr P.K. Sahoo



JOIN HANDS TO TAKE ISAE TO GREATER HEIGHTS

Head & Principal Scientist, Division of Agricultural Engineering, ICAR-IARI, New Delhi
Worked in OUAT, Bhubaneswar for a period of 6 years and joined ARS in July, 1993
More than 31 years experience in ICAR and 37 years of professional experience

An appeal by

Dr. Pramod Kumar Sahoo candidate for Secretary General

Esteemed ISAE Members

Greetings from Dr. P.K. Sahoo, LM-7851, F-266

Education:

B. Tech. and M. Tech. in Agricultural Engineering from Orissa University of Agriculture and Technology, Bhubaneswar

Ph. D. from ICAR-Indian Agricultural Research Institute, New Delhi

Training at Department of Biological and Agricultural Engineering, University of California, Davis, USA on Application of Sensors including Bio-indicators

Services to ISAE:

Secretary General of Indian Society of Agricultural Engineers, 2021-2025

Treasurer of Indian Society of Agricultural Engineers, 2012-2015

Associate Editor, Journal of Agricultural Engineering; 2010-2015

Editor, FMP group in Journal of Agricultural Engineering; 2015-2021

Organized conferences/ workshops/ review meeting as chairman, member and member secretary

Chairman, Co-Chairman and Rapporteur in Technical Sessions of ISAE Conventions

Working in tandem with ISAE team for SCOPUS rating, indexing for the Journal of Agricultural Engineering

Association with other societies:

Life member of Indian Society of Animal Production; Indian Society for Sheep and Goat Production and Utilization

Fellow of The Institution of Engineers (India)

Human Resource Development:

Supervised PG students as Chairman, Co-Chairman and Member in Advisory committees

Invited speaker in different universities and Institutions

As a teacher, focused on inspirational and motivational teaching to inculcate a great deal of confidence among students in learning process

Interactive method of teaching for better understanding, critical and independent thinking.

Research:

Executed 32 Institutional, Inter-Institutional and Consultancy research projects funded by ICAR and other agencies and have developed number of useful technologies

More than 200 publications published in both national and international journals, bulletins, books, book chapters and reports.

Actively and extensively involved in design and development of technologies/ equipment for vegetable mechanization, feed processing, conservation agriculture, precision agriculture and smart agri. residue management
Designed, developed, scaled up and commercialized number of technologies for different aspects of crop and animal production

The developed technologies have a great socio-economic impact by making agriculture a profitable venture

Awards:

Dr Rajendra Prasad Puraskar for Hindi Technical Book, Commendation Medal by ISAE, K C Das Memorial awards and **Govinda Gupta Memorial award** by Institution of Engineers (India), ISAE team Award, AICRP team award

My vision as a candidate for Secretary General:

- Society as a vibrant and effective platform for all the members
- Targeting Impact Factor for Journals of the Society by publishing through Springer/ Elsevier or indexing the journals in Scopus or similar database so that more than 6.0 NAAS rating can be achieved
- Increasing visibility of ISAE by working in tandem with other National and International professional societies
- Efforts for creating job opportunities in different Government and private sectors by working in collaboration with all the state chapters of ISAE.
- Active engagements of different stakeholders: industry, academia and farmers in various forums to address the present day needs of Agricultural Engineering Profession.
- Call centre type arrangement at ISAE Headquarter to address different issues of the members in working hours
- Specialized grants for young researchers through industry collaboration and other agencies by CSR funding
- Publication of special issues on different policy matters, success stories etc.

DIRECTOR (GENDER ISSUES)

1. Dr. A. CAROLIN RATHINAKUMARI



Dr. A. Carolin Rathinakumari (LM-10007), Principal Scientist (FMP), ICAR-Indian Institute of Horticultural Research, Bengaluru has 25 years of professional experience in Farm Machinery and Power Engineering at Indian Council of Agricultural Research. She has joined Agricultural Research Service as Scientist at ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka and presently serving as Principal Scientist. Before joining ARS, she was associated as Senior Research Fellow at Agricultural Engineering College and Research Institute, Tamil Nadu Agricultural University, Coimbatore and served as Lecturer at Avinashilingam Deemed University for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu for one year. She has handled Institute Projects and Externally Funded Projects as Principal Investigator and as Co-PI. She has designed, developed and commercialised machinery for cultivation and processing of horticultural crops. She has published 40 research papers in both national and international peer reviewed journal. She has also published 20 technical popular articles, 8 technical bulletins and 10 book chapters related to Machinery for Cultivation and Processing of Horticultural Crops. She has participated in National and International Seminars, Symposiums and Conferences and presented about 60 research papers. She has been awarded 15 best research paper awards including poster presentations. She has guided two Ph.D Student and four post graduate students as Chairman of Advisory Committee. As Co-ordinator, She has imparted In plant training to 150 B.Tech (Agrl.Engg.) students of State Agricultural University. During her service for the past 25 years, she was involved actively as resource person in more than 50 trainings programmes to farmers, entrepreneurs, scientists and other state/central government officials and delivered lectures. During the past 25 years, she actively involved in various committees as member and chairman and organised different Training Programmes, Krishi Melas, Seminars, Symposiums and similar kind of programmes. She has also demonstrated the machinery developed at IIHR, Bengaluru to the farmers, entrepreneurs and visitors during different National level Krishi Melas. She has also demonstrated the machinery at farmers' field and conducted field trials extensively.

2. Dr. Smita Solanki



Dr. Smita Solanki is Research Engineer in AICRP on Utilization of Animal Energy and Head, Department of Farm Machinery and Power Engineering College of Agricultural Engineering and Technology Vasantryao Naik Marathwada Krishi Vidyapeeth Parbhani-431 402 (Maharashtra) India Guided 16 M.Tech Farm Machinery students and more than 20 advisory committee of MSc Home Science and M.Tech Agriculture Process Engineering, PhD in Farm Machinery.

During 1989_93, worked as Plant Engineer in Maharashtra State Seeds Corporation at Processing plant, (Mahabeej).

1993_till today 30 years of service in Teaching, Research and Extension at Vasantryao Naik Marathwada Krishi Vidyapeeth Parbhani, apart from teaching farm machinery subjects, worked as incharge training placement, campus interview, counselling on personality development competitive exams. established library for students etc. During teaching from 2001 simultaneously working for research and development of equipment for mechanization for farm women, small marginal farmer, rainfed Agriculture, soil moisture conservation. Taken all developed technology from lab to land of farmer funded by ICAR New Delhi

- 1) Invented more than 43 agricultural equipment.
- 2) Adopted more than 24 farmer group from different area of Maharashtra for FLD,
- 3) Working for rainfed / dry land Agriculture, soil moisture conservation, Empowerment of farm women, small marginal farmer, tribal areas through mechanization and value addition.
- 4) Helping farmer in doubling income/improving livelihood
- 5) Increased visibility of developed gadgets/technology by counselling farmer through Utube, facebook, news channels folder, calendar, demonstration, training, organising melavas, adopting farmer.
- 6) Developed linkages with KVKs, state government, NGOs, Manufacturers, Gaushalas and others University MoA with three companies for commercialization of developed equipment
- 7) Having more than 25 appreciation certificate and 14 awards

List of Awards

1. Best Oral Presentation Award, 15-16 March, 2019
2. Corona warrior award-2020
3. INDIA PRIME Top 100 Women Icon award –2021
4. Krishi Nari Samman -2021
5. Maharashtra Bhushan Va Jivan Gaurav purskar -2021
6. Star golden award –Best Research and extension –2021
7. Agrocare Idol award for Best innovative and Extension work -2021
8. Women's Conclave and Awards for Best innovative and Extension work –2021
9. India Star Community Award –2021 for lifetime achievement award in research (Animal Energy)
10. Women Leadership Award -2021
11. World women icon 2022 -Best Researcher in Maharashtra State

12. IWM researcher Award -2022
13. Indian Glory Award 2022 for Farm Mechanization and Research Extension
14. Bharat Bhushan Award-2022 in Research & Extension in farm mechanization
15. Nelson Mandela Global Brilliance award –2022 for excellent work and outstanding performance and remarkable role in the field of agriculture
16. Sabla Utkarsh Rashtriya Gaurav Award, 2022
17. Best Scientist Award -2023
18. Certificate of Mentor Avishkar 2023 for PG and PPG students,
19. Rashtriya Pratishtha Purskar 2023
20. PraniMitra Award, for Research and Development Animal power Machinery, 2023
21. Best Scientist Award-2024 at joint Agresco held at Dr PDKV Akola