



2022-23 ANNUAL REPORT

INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

IAUA

ANNUAL REPORT

(2022-2023)



INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

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PREFACE

The Agricultural Universities (Agricultural, Horticultural, Dairy, Animal Science, Veterinary, Fisheries) have contributed significantly in generating new knowledge and technologies required for the growth of food production and sustaining the agricultural productivity. These institutions (State Agricultural Universities, Central Agricultural Universities, Deemed-to be-Universities, and Universities having Agricultural Faculties) are also addressing the challenges of climate change while working for climate smart agriculture. The quality seeds and planting materials of new improved varieties and hybrids, bio-products and improved species of livestock, poultry and fish are produced to meet the needs of farmers of the country.

The Agricultural Universities with active collaboration and support from the Indian Council of Agricultural Research are making concerted efforts for imparting quality higher agricultural education in pursuit of developing globally competent human resource. During 2022-23 many of these institutions held their convocations and awarded degrees of B.Sc., M.Sc., M. Tech., MBA and Ph.D. to the successful students from India and abroad.

The Indian Agricultural Universities Association (IAUA) in collaboration of DUVASU, Mathura organized 46th Vice Chancellors' Convention on 'National Education Policy 2020: Implementation in Agricultural Universities' on 26-27 December 2022, at Mathura. The Executive Committee and Annual General Body Meeting were also conducted to discuss the listed agenda items and decisions thereon. Besides, 14th National Symposium of IAUA on 'Creating Enabling Ecosystem in Agricultural Universities for Agri-Tech Innovations: Challenges and Opportunities' at PJTSAU, Hyderabad on 9-10 June 2022 and 9th Regional Meeting on 'NEP2020: Importance and Feasibility of Short Term and Certified Courses in Agricultural Universities' on 23-25 November 2022 at NAU, Navsari were also organized.

On behalf of IAUA, I congratulate the staff and students of the member Agricultural Universities for contributing to advancement of basic and applied research, development of technologies, and receiving prestigious awards and recognitions from various professional bodies thus bringing laurels to their respective universities. The accomplishments of the member Agricultural Universities during 2022-23 will certainly make further impact on modernising the agricultural practices and bringing more income for the farmers. We have tried to capture some of these achievements along with important activities and audit report of IAUA in this Annual Report of IAUA for the year 2022-23. I acknowledge and appreciate the efforts of Dr Dinesh Kumar, Executive Secretary in compiling and bringing out the Annual Report 2022-23. I thank all the esteemed Vice Chancellors of member universities for their cooperation.



(Dr Rameshwar Singh)
President, IAUA

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ABOUT IAUA

Indian Agricultural Universities Association (IAUA)

Indian Agricultural Universities Association (IAUA) was instituted on 10 November 1967. There were only nine (9) founder-member agricultural universities, namely, Punjab Agricultural University, Chandigarh (now Ludhiana); Andhra Pradesh Agricultural University, Hyderabad (now Acharya N.G. Ranga Agricultural University, Guntur); Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur; Uttar Pradesh Agricultural University, Pantnagar (now Govind Ballabh Pant University of Agriculture and Technology); University of Agricultural Sciences, Bengaluru; Kalyani University, Kalyani (now Bidhan Chandra Krishi Viswavidyalaya, Mohanpur); Odisha University of Agriculture and Technology, Bhubaneswar; Udaipur University, Udaipur (now Maharana Pratap University of Agriculture and Technology), and Indian Agricultural Research Institute (IARI), New Delhi.

The main objective of the Association is to promote agricultural research, education and extension in the universities and the states, and thereby rural development in the country. It also acts as a bureau of information to facilitate communication, co-ordination and mutual consultation among agricultural universities. The IAUA facilitates conferences, seminars, workshops, lectures and brainstorming sessions in agricultural and applied programs.

Presently, IAUA has 71 member universities, which include 63 State Agricultural Universities; 4 Deemed-to-be Universities (Central Institute of Fisheries Education (CIFE), Mumbai; Indian Agricultural Research Institute (IARI), New Delhi; Indian Veterinary Research Institute (IVRI), Izatnagar; and National Dairy Research Institute (NDRI), Karnal,) 3 Central Agricultural Universities (Central Agricultural University (CAU), Imphal; Dr Rajendra Prasad Central Agricultural University (Dr RPCAU), Pusa; and Rani Lakshmi Bai Central Agricultural University (RLBCAU), Jhansi) and one Central University with Agriculture Faculty (Banaras Hindu University (BHU), Varanasi. Considering the specialization, there are 45 Agricultural, 6 Horticultural, 17 Veterinary and Animal Sciences and 3 Fishery Science Universities in IAUA. All the State Agricultural Universities (SAUs), institutions (deemed-to-be universities) and Central Agricultural Universities in India, which provide an integrated programme of teaching, research and extension education in agricultural sciences are qualified to become members of the Association.

MANAGEMENT

Executive Committee

The Vice Chancellors of member universities constitute the Association's General Body. The General Body meets once a year to – decide the agenda for the next convention and other events; adopt the audited accounts of the year besides approval of the budget estimates for the next financial year; and to hold the election of the Executive Committee for the following calendar year. The Executive Committee of the Association consists of President, Vice President, Secretary General, Treasurer and three members. The Executive Committee meets quarterly. The office of the Association is operated by the Executive Secretary who implements the decisions of General Body and Executive Committee on behalf of the Association.

The **Executive Committee** of the IAUA (comprises President, Vice President, Secretary General, Treasurer and Three Members) in its quarterly meetings takes decisions regarding day-to-day functioning. Its directions on activities, events and policy matters are referred to the **General Body** (comprises all Vice Chancellors of the member universities) for final approval and ratification. The composition of the Executive Committee during the year 2022 was as follows:

EXECUTIVE COMMITTEE

President:	Dr R.K. Mittal Vice Chancellor, SVPUAT, Meerut	01-01-2022 to 06-09-2022
	Dr Rameshwar Singh Vice Chancellor, BASU, Patna	07-09-2022 to 31-12-2022
Vice President:	Dr R.C. Srivastava Vice Chancellor, Dr RPCAU, Pusa	01-01-2022 to 21-06-2022
	Dr Rameshwar Singh Vice Chancellor, BASU, Patna	12-08-2022 to 31-12-2022
Secretary General:	Dr V. Praveen Rao Vice Chancellor, PJTSAU, Hyderabad	01-01-2022 to 23-07-2022
	Dr V.M. Bhale Vice Chancellor, Dr PDKV, Akola	14-08-2022 to 22-09-2022
	Dr N.P. Dakshinkar Vice Chancellor, DSVCKV, Durg	15-11-2022 to 31-12-2022
Treasurer:	Dr Arvind Kumar Vice Chancellor, RLBCAU, Jhansi	01-01-2022 to 03-07-2022
	Dr S.K. Rao Vice Chancellor, RVSKVV, Gwalior	14-08-2022 to 12-10-2022
	Dr N.P. Dakshinkar Vice Chancellor, DSVCKV, Durg	13-10-2022 to 31-12-2022
Members:	Dr Parvinder Kaushal Vice Chancellor, YSPUHF, Solan	01-01-2022 to 31-03-2022

	Dr Gurdial Singh Vice Chancellor, LLUVAS, Hisar	05-01-2022 to 20-01-2022
	Dr Rameshwar Singh Vice Chancellor, BASU, Patna	06-01-2022 to 08-08-2022
	Dr V.M. Bhale Vice Chancellor, DrPDKV, Akola	01-02-2022 to 08-08-2022
	Dr S.K. Rao Vice Chancellor, RVSKVV, Gwalior	18-05-2022 to 08-08-2022
	Dr R. Chandra Babu Vice Chancellor, KAU, Thrissur	19-08-2022 to 07-10-2022
	Dr A.M. Paturkar Vice Chancellor, MAFSU, Nagpur	24-08-2022 to 31-12-2022
	Dr J.S. Sandhu Vice Chancellor, SKNAU, Jobner	01-09-2022 to 27-09-2022
	Dr N.H. Kelawala Vice Chancellor, KU, Gandhinagar	12-10-2022 to 31-12-2022
	Dr S.D. Sawant Vice Chancellor, DBSKKV, Dapoli	10-11-2022 to 31-12-2022
Ex-Officio Member:	Dr R.C. Agarwal DDG (Edn), ICAR, New Delhi	01-01-2022 continuing

During the year 2022, **Three** Executive Committee Meetings (ECM) were held, viz. **ECM-1/2022** on **6 April 2022; ECM-2/2022** on **30 August 2022; ECM-3/2022** on **16 December 2022**. The listed agenda items were discussed and decisions were taken on these.

New Executive Committee

The following members were elected for Executive Committee (2023) during Annual General Body Meeting (AGBM) held on 25 December 2022 at DUVASU, Mathura:

1. Dr Rameshwar Singh, VC, BASU, Patna : President
2. Dr Parvinder Kaushal, VC, VCSGUUHF, Bharsar : Vice President
3. Dr N.P. Dakshinkar, VC, DSVCKV, Durg : Secretary General
4. Dr N.H. Kelawala, VC, KU, Gandhinagar : Treasurer



Dr Rameshwar Singh



Dr Parvinder Kaushal



Dr N.P. Dakshinkar



Dr N.H. Kelawala



Dr S.D. Sawant



Dr M.R. Saseendranath



Dr Ajeet Kumar Karnatak

5. Dr S.D. Sawant, VC, Dr BSKKV, Dapoli : Member
6. Dr M.R. Saseendranath, VC, KVASU, Wayanad : Member
7. Dr Ajeet Kumar Karnatak, VC, MPUAT, Udaipur : Member

IAUA 14TH NATIONAL SYMPOSIUM

The dynamic and continuing transformative landscape of agriculture needs neo-generation human resources. This requires ingenious perspective in the agri-education sector to cater to an emerging new set of client farmers whose technology usage and literacy may be at par with the agri- professional.

Therefore, the onus to build appropriate skillsets in human resources streaming out of institutions of higher agricultural education will be on the education administrators and planners under the umbrella of National Agricultural Research, Education and Extension System (NAREES). In consonance with new National Educational Policy (NEP-2020), a formalized convergence platform of technology driven courses with social sciences and agri-business would be an ideal premise. Such competent and trained human resources, equipped with cognitive, technical and managerial skills can positively impact at societal level. This responsibility also entails to develop necessary infrastructure, linkages and training opportunities for teaching faculty and policy makers for a seamless deployment and integration of convergence platforms into existing agricultural education network. With this background, the 14th National Symposium of Indian Agricultural Universities Association (IAUA) was organized on Creating Enabling Ecosystem in Agricultural Universities for Agri tech innovations: Challenges and Opportunities at Professor Jayashankar Telangana State Agricultural University (PJTSAU), Rajendranagar, Hyderabad, in collaboration with IAUA on 9-10 June 2022. The Symposium included:

- Inaugural Session,
- Session I- Potential for Emerging Technologies in the Agri-food Value Chain and Allied Sectors,
- Session II -Agriculture 4.0 (Smart Farming) Ready Manpower: Stakeholder Perspective,
- Session III -Gearing Up for the Emerging Technologies Driven Ecosystem – Challenges and Opportunities for Agricultural Universities, and
- Session IV - Converging Partnerships – Academia – Industry Incubators and Startup Journeys.

The Vice chancellors (20) from various State Agricultural, Horticultural and Veterinary Universities attended the symposium. Besides, representative of Vice Chancellors, senior officials from various organizations such as Indian Institute of Management (IIM), Ahmadabad; World Economic Forum, Navi Mumbai; Indian Council of Agricultural Research- Indian Agricultural Research Institute (ICAR-IARI), New Delhi; ICAR- National Academy of Agricultural Research Management (ICAR-NAARM), Hyderabad; ITE&T Department, Telangana; Coromandel International Ltd, Hyderabad; AgriWatch, New Delhi; Indian School of Business (ISB), Mohali; AG Biosystems Bio Ltd, Hyderabad; National Bank for Agriculture & Rural Development (NABARD), Hyderabad; National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonipat; Aruazone, Hyderabad; Criyagen Agri & Biotech Pvt. Ltd, Bengaluru also actively participated in the symposium. The recommendations of the symposium were shared with the stakeholders.



Dr R.K. Mittal, President, IAUA delivering inaugural address



Dignitaries releasing publication



Group photo of delegates of 14th National Symposium

9TH REGIONAL MEETING OF IAUA HELD AT NAU, NAVSARI, GUJARAT

The 9th Regional Meeting of Indian Agricultural Universities Association (IAUA) was organized on *NEP-2020: Importance and Feasibility of Short Term and Certified Courses in Agricultural Universities* at Navsari Agricultural University (NAU), Navsari, Gujarat on 23-25 November 2022.

The inaugural ceremony of the 9th Regional Meeting was blessed by the virtual presence of Shri Kailash Choudhary, Minister of State for Agriculture and Farmers' Welfare, Government of India, as Chief Guest. Other dignitaries present on the occasion were—Dr Z. P. Patel, Vice Chancellor, NAU, Navsari as President; Dr Kishor Singh Chanda, Vice Chancellor, Veer Narmad South Gujarat University (VNSGU), Surat; and Shri Kiranbhai Patel, Jt. Managing Director, ASPEE Group of Companies as Guest of Honour; Dr Rameshwar Singh, Vice Chancellor, BASU, Patna and President, IAUA; and Dr Dinesh Kumar, Executive Secretary, IAUA as a Special Guest.

The Vice Chancellors of Agricultural Universities including horticultural and Animal Science/Veterinary universities of India participated in the Meeting, shared their experiences and knowledge. The deliberations were made mainly focused on the theme of the meeting during different sessions based on three sub-themes apart of inaugural and plenary sessions are presented here.

Session 1: Conceptualizations of certified courses in Agricultural Universities for technical and vocational skill development education.

Session 2: Challenges and opportunities of NEP for development of short-term certified courses in Agricultural Universities.

Session 3: NEP-2020- Developing future skills.

The Vice Chancellors/their representatives made technical presentations in above mentioned three sessions.

Vice Chancellors/their representatives of around 30 universities from Andhra Pradesh, Bihar, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jammu and Kashmir, Jharkhand, Karnataka, Maharashtra, Punjab, Rajasthan, Tamil Nadu attended the meet.



Shri Kailash Choudhary, MoS for Agriculture & Farmers' Welfare delivering inaugural address (virtually)



Release of publication during the inaugural programme



Group photo of the meeting

46TH ANNUAL CONVENTION OF VICE CHANCELLORS OF IAUA

The 46th Annual Convention of Vice Chancellors of Indian Agricultural Universities Association (IAUA) was organized by U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan (DUVASU), Mathura on the theme *National Education Policy 2020: Implementation in Agricultural Universities*, on 26-27 December 2022 at DUVASU, Mathura. The Vice Chancellors, Deans and Directors of about 45 Agricultural Universities from all over India participated in the convention. The chief guest of the inaugural session of this two-day programme was Hon'ble Governor, Uttar Pradesh Smt Anandiben Patel. Hon'ble Governor, presided over the programme in online mode, explained the importance of the new education system in the agricultural sector. In her address, she said that there is a dire need for agricultural universities in India to provide comprehensive solutions to the problems of farmers. The Guest of Honour of the programme, Dr R. C. Agrawal, Deputy Director General (DDG, Agril. Education), Indian Council of Agricultural Research, New Delhi, said that National Education Policy-2020 (NEP-2020) provides an opportunity to higher educational institutions, especially those engaged in technical education, to create such a system that directly contributes to the transformation of the country into a global knowledge superpower.

Prof. A. K. Srivastava, Vice Chancellor of DUVASU while welcoming all the dignitaries in the programme emphasized on the need of consultation on this subject to strengthen the current agricultural education system of the country. He also said that the aim of this education system is to develop the best professionals having ability to think and act logically with scientific temper and creative imagination.

During the two-days convention, three technical sessions were conducted where intensive discussions were held to implement the new education system in agriculture and related subjects. The discussion topics during sessions were - NEP 2020 implementation in AUs; Implementation of National Education Policy-2020 for Undergraduate Studies; Technology-enabled Interventions and Strategies for Implementation of New Education Policy; Agribusiness Opportunities in Agriculture; Short Term and Certificate Courses for Skill Development in Agriculture; Skill Development and Short Courses in Animal Husbandry Sector; and Aligning Agricultural Education with National Education Policy for *Atmanirbhar Bharat*. The second day of the convention started with launch of International Millet Year 2023, wherein the importance and significance of millets and their availability and benefits were outlined by Dr V. Geethalakshmi, Vice Chancellor, Tamil Nadu Agricultural University, Coimbatore. The conference ended with valedictory cum plenary session on second day i.e., on 27 December 2022 where Cabinet Minister of Agriculture, Agricultural Education and Agricultural



Hon'ble Governor, Uttar Pradesh delivered inaugural address online



'Jal Sanchay' ceremony during inaugural function of the convention

Research, Government of Uttar Pradesh, Shri Surya Pratap Shahi graced the occasion as Chief Guest. Shri Shahi underlined the importance of millets and using the food made from coarse grains in our daily life. Along with this, he emphasized on the implementation of the new education policy in the agricultural higher education sector. Dr Rameshwar Singh, President, IAUA and Vice Chancellor, Bihar Animal Science University, Patna, presented report of the two-days programme and presented his views on the new education policy in the agricultural higher education sector. It was concluded that there is a need to adopt new education system to bridge the current gap between various stakeholders for attaining highest quality, equity and integrity in the higher agricultural education in the country.

The Annual General Body Meeting 2022 (AGBM 2022) of Indian Agricultural Universities Association (IAUA) was also conducted on 25 December 2022 at DUVASU, Mathura during the convention. Dr Rameshwar Singh, Vice Chancellor, BASU, Patna and President, IAUA Chaired the meeting. Dr N. P. Dakshinkar, Secretary General, IAUA; and Dr N. H. Kelawala, Member, Executive Committee, IAUA were present in the AGBM.

At the outset, Dr Rameshwar Singh, President, IAUA welcomed all in the Annual General Body Meeting of 2023 and thanked Dr A. K. Srivastava, Vice Chancellor, DUVASU, Mathura for hosting the 46th Vice Chancellors' Convention. He also thanked all the participating Vice Chancellors for attending the programme. In his initial remarks he appreciated the activities carried out by the IAUA and achievements of member universities. Later, the listed agenda items were discussed and decisions were taken on these



GB Meeting convened on 25 December 2022.

IAUA MEMBER UNIVERSITIES

State Agricultural Universities: 40

1. Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, Ayodhya 224229 (Uttar Pradesh)
2. Acharya N.G. Ranga Agricultural University, LAM, Guntur 522034 (Andhra Pradesh)
3. Agriculture University, Kota 324001 (Rajasthan)
4. Anand Agricultural University, Anand 388110 (Gujarat)
5. Assam Agricultural University, Jorhat 785013 (Assam)
6. Banda University of Agriculture & Technology, Banda 210001 (Uttar Pradesh)
7. Bidhan Chandra Krishi Viswavidyalaya, Mohanpur 741252 (West Bengal)
8. Bihar Agricultural University, Sabour 813210 (Bihar)
9. Birsa Agricultural University, Ranchi 834006 (Jharkhand)
10. Chaudhary Charan Singh Haryana Agricultural University, Hisar 125004 (Haryana)
11. Chaudhary Sarwan Kumar Himachal Pradesh Agricultural University, Palampur 176062 (Himachal Pradesh)
12. Chandra Shekhar Azad University of Agriculture & Technology, Kanpur 208002 (Uttar Pradesh)
13. Dr Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli 415712 (Maharashtra)
14. Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola 444104 (Maharashtra)
15. Govind Ballabh Pant University of Agriculture & Technology, Pantnagar 263145 (Uttarakhand)
16. Indira Gandhi Krishi Vishwavidyalaya, Raipur 492012 (Chhattisgarh)
17. Jawaharlal Nehru Krishi Vishwa Vidyalya, Jabalpur 482004 (Madhya Pradesh)
18. Junagadh Agricultural University, Junagadh 362001 (Gujarat)
19. Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga 577412 (Karnataka)
20. Kerala Agricultural University, Thrissur 680656 (Kerala)
21. Maharana Pratap University of Agriculture & Technology, Udaipur 313001 (Rajasthan)
22. Mahatma Phule Krishi Vidyapeeth, Rahuri 413722 (Maharashtra)
23. Navsari Agricultural University, Navsari 396450 (Gujarat)
24. Odisha University of Agriculture & Technology, Bhubaneswar 751003 (Odisha)
25. Prof. Jayashankar Telangana State Agricultural University, Hyderabad 500030 (Telangana)
26. Punjab Agricultural University, Ludhiana 141004 (Punjab)
27. Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior 474002 (Madhya Pradesh)
28. Sam Higginbottom University of Agriculture, Technology & Sciences, Prayagraj 211007 (Uttar Pradesh)

29. Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar 385506 (Gujarat)
30. Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut 250110 (Uttar Pradesh)
31. Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu, Jammu 180009 (Jammu & Kashmir)
32. Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir, Srinagar 190025 (Jammu & Kashmir)
33. Sri Karan Narendra Agriculture University, Jobner, Jaipur 303329 (Rajasthan)
34. Swami Keshwanand Rajasthan Agricultural University, Bikaner 334006 (Rajasthan)
35. Tamil Nadu Agricultural University, Coimbatore 641003 (Tamil Nadu)
36. University of Agricultural Sciences, Bangalore 560065 (Karnataka)
37. University of Agricultural Sciences, Dharwad 580005 (Karnataka)
38. University of Agricultural Sciences, Raichur 584104 (Karnataka)
39. Uttar Banga Krishi Viswavidyalaya, Cooch Behar 736165 (West Bengal)
40. Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani 431402 (Maharashtra)

State Horticultural Universities: 6

41. Dr Y.S. Parmar University of Horticulture & Forestry, Nauni, Solan 173230 (Himachal Pradesh)
42. Dr Y.S.R. Horticultural University, Venkataramannagudem 534101 (Andhra Pradesh)
43. Sri Konda Laxman Telangana State Horticultural University, Mulugu 502279 (Telangana)
44. University of Horticultural Sciences, Bagalkote 587104 (Karnataka)
45. Veer Chandra Singh Garhwali Uttarakhand University of Horticulture & Forestry, Bharsar 246123 (Uttarakhand)
46. Maharana Pratap Horticultural University, Uchani, Karnal 132157 (Haryana)

State Veterinary/Animal Sciences & Fisheries Universities: 17

47. Bihar Animal Sciences University, Patna 800014 (Bihar)
48. Dr. Shri Vasudev Chandrakar Kamdhenu Vishwavidyalaya, Anjora, Durg 491001 (Chhattisgarh)
49. Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana 141004 (Punjab)
50. Kamdhenu University, Gandhinagar 382010 (Gujarat)
51. Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar 585401 (Karnataka)
52. Kerala University of Fisheries and Ocean Studies, Kochi 682506 (Kerala)
53. Kerala Veterinary & Animal Sciences University, Wayanad 673576 (Kerala)
54. Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar 125001 (Haryana)
55. Maharashtra Animal & Fishery Sciences University, Nagpur 440001 (Maharashtra)
56. Nanaji Deshmukh Veterinary Sciences University, Jabalpur 482001 (Madhya Pradesh)

57. P.V. Narsimha Rao Telangana Veterinary University, Hyderabad 500030 (Telangana)
58. Rajasthan University of Veterinary and Animal Sciences, Bikaner 334001 (Rajasthan)
59. Sri Venkateswara Veterinary University, Tirupati 517502 (Andhra Pradesh)
60. Tamil Nadu Dr J. Jayalalithaa Fisheries University, Nagapattinam 611002 (Tamil Nadu)
61. Tamil Nadu Veterinary & Animal Sciences University, Chennai 600051 (Tamil Nadu)
62. U. P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan, Mathura 281001 (Uttar Pradesh)
63. West Bengal University of Animal & Fishery Sciences, Kolkata 700037 (West Bengal)

Central Agricultural Universities: 3

64. Central Agricultural University, Imphal 795004 (Manipur)
65. Dr Rajendra Prasad Central Agricultural University, Pusa 848125 (Bihar)
66. Rani Lakshmi Bai Central Agricultural University, Jhansi 284003 (Uttar Pradesh)

Central University with Agriculture Faculty: 1

67. Banaras Hindu University, Varanasi 221005 (Uttar Pradesh)

Deemed Universities: 4

68. ICAR-Central Institute of Fisheries Education, Mumbai 400061 (Maharashtra)
69. ICAR-Indian Agricultural Research Institute, New Delhi 110012
70. ICAR-Indian Veterinary Research Institute, Izatnagar 243122 (Uttar Pradesh)
71. ICAR-National Dairy Research Institute, Karnal 132001 (Haryana)

AWARDS & RECOGNITIONS

ICAR Awards

Acharya Narendra Deva University of Agriculture & Technology (ANDUAT), Ayodhya, Uttar Pradesh

Krishi Vigyan Kendra, Basti

National Award of Excellence for Agricultural Institutions

Krishi Vigyan Kendra (KVK), Basti of Acharya Narendra Dev University of Agriculture & Technology, Ayodhya, Uttar Pradesh was awarded Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protshahan Puraskar 2021, which it shared with Krishi Vigyan Kendra, Gwalior, Madhya Pradesh. There are three categories of farmers in the district namely resource rich, resource poor and landless labourers. This KVK is the only source of latest technical agricultural knowledge in the district and the only platform to impart employment generating vocational training in agri-based activities in the district, development of relevant literature, development and maintenance of demonstrative units on scientific line for providing work experience to the trainees. It also provides practical training facilities to extension functionaries. The KVK also acts as a complementary to the line departments by providing training and skill upgradation of the needy personnel (self-help groups).



Birsa Agricultural University (BAU), Ranchi, Jharkhand

Fakhruddin Ali Ahmed National Award-2021

Dr M. S. Mallick, Dean (Forestry), and Project Investigator, National Agricultural Higher Education Project-Centre for Advanced Agricultural Science and Technology-Integrated Farming System (NAHEP-CAST-IFS) of Birsa Agricultural University, Ranchi received Fakhruddin Ali Ahmed National Award 2021 for his outstanding contribution in promoting agricultural systems research among the tribal community towards the application of agricultural technology. This prestigious award was presented by the Union Agriculture and Farmers' Welfare Minister Shri Narendra Singh Tomar during 94th Foundation Day of Indian Council of Agricultural Research (ICAR), New Delhi on 16 July 2022 in presence of Union Minister of Fisheries, Animal Husbandry and Dairy, Shri Parshottam Rupala; Union Minister of State for Agriculture and Farmers Welfare, Shri Kailash Choudhary; Secretary, Department of Agricultural Research and Education (DARE) and DG, ICAR Dr T. Mohapatra; and Member, National Institute For Transforming India (NITI) Ayog, Dr Ramesh Chand.



Fakhruddin Ali Ahmed Award -2021 received by Dr MS Mallick from Union Agriculture and Farmers Welfare Minister Shri Narendra Singh Tomar

Dr Mallick was awarded for expanding the overall facilitation of research of integrated farming systems among tribal farmers of Jharkhand state under the NAHEP-CAST-IFS project, operational at BAU, Ranchi. The team includes Dr Prabhat Kumar, National Coordinator, NAHEP-CAST-IFS Project, New Delhi and Dr Adayant Kumar, Research Associate, Ranchi Centre.

ICAR-Indian Agricultural Research Institute (ICAR-IARI), New Delhi

Nanaji Deshmukh ICAR Award for Outstanding Interdisciplinary Team Research in Agricultural and Allied Sciences 2021

The team comprising Dr Ashok Kumar Singh (Team Leader), Director, ICAR-IARI, New Delhi; Dr Gopala Krishnan S., Principal Scientist, IARI, New Delhi; Dr M. Nagarajan, Principal Scientist, IARI-Rice Breeding & Genetic Research Centre, Tamil Nadu; Dr K. K. Vinod, Principal Scientist, IARI, New Delhi; Dr Prolay Kumar Bhowmick, Scientist, IARI, New Delhi; Dr Haritha Bollinedi, Scientist, IARI, New Delhi; Dr Ranjith Kumar Ellur, Scientist, IARI, New Delhi; Dr Kalyan K. Mondal, Principal Scientist, IARI, New Delhi; Dr Bishnu Maya Bashyal, Senior Scientist, IARI, New Delhi; Dr G. Prakash, Scientist, IARI, New Delhi; Dr Rakesh Seth, Principal Scientist, IARI - Regional Station, Karnal; Dr Chandu Singh Rathod, Scientist, IARI, New Delhi; Dr Subhash Chander, Principal Scientist, IARI, New Delhi; Dr Dinesh Kumar, Principal Scientist, IARI, New Delhi; Dr Madan Pal, Principal Scientist, IARI, New Delhi; Dr N. K. Singh, Project Director, National Institute for Plant Biotechnology (NIPB), New Delhi; Dr T. R. Sharma (DDG, CS/NIPB), New Delhi; Dr S. V. Amitha Charu Rama Mithra, Scientist, NIPB (Associates), New Delhi were awarded Nanaji Deshmukh ICAR Award for Outstanding Interdisciplinary Research in Agricultural and Allied Sciences 2021. The inter-disciplinary team executed a well-designed in-house-project entitled *Improving Resilience, Productivity and Quality in Rice through Genetic and Genomic Approaches (CRSCIARISIL2014002)*, operational during the relevant period, with the primary objective of improving rice, particularly Basmati rice. During the operation, eight rice varieties were released by Central Sub-Committee on Crop Standards Notification & Release of Varieties for Agricultural Crops and Horticultural Crops including seven Basmati, and one medium slender grain rice cultivar. ICAR-IARI share of breeder seed indent among the total Basmati varieties cultivated in India during 2016-21 is 97.9% thereby contributing to the Basmati rice revolution in India. Three improved Basmati rice varieties with resistance to both bacterial blight and blast diseases namely Pusa Basmati 1847, Pusa Basmati 1885, and Pusa Basmati 1886 developed during the period and released in 2021 will not only help in reducing the use of pesticides but also strengthen the Basmati rice export.



Dr A. K. Singh

ICAR-Indian Veterinary Research Institute (ICAR-IVRI), Izatnagar, Uttar Pradesh

Rafi Ahmed Kidwai Award for Outstanding Research in Agricultural Sciences 2021

Dr Mahesh Chander, Principal Scientist and Head, Division of Extension Education, ICAR-IVRI, Izatnagar, was awarded Rafi Ahmed Kidwai Award for Outstanding Research in Agricultural Sciences 2021 in the category of Social Sciences. Dr Chander has undertaken the project entitled *A Swot Analysis of Organic Livestock Production in India*, implemented during 2005-06 to 2011-12, to find out the training needs of farmers, input use in agriculture particularly in livestock production, demand and supply avenues for organic livestock products, strengths, weaknesses, constraints and possibilities with respect to organic livestock production in India. This demand driven research project could narrow the information, knowledge and data gaps in an evolving field like organic animal husbandry, since the available information in Indian context is almost negligible considering the internationally recognized norms for organic production as prescribed by Food and Agriculture Organization (FAO), Codex, European Union (EU), National Organic Program (NOP) & Agricultural and Processed Food Products Export Development Authority (APEDA). The information so generated and synthesized is useful for farmers, processors and exporters to cash upon the opportunity of exporting high quality organic food products of animal origin. The publications emerged out of the project have been helpful to several international agencies and Government of India bodies like National Accreditation Body (NAB), APEDA, Bureau of Indian Standards (BIS), Food Safety and Standards Authority of India (FSSAI) and ICAR Education Division.



Dr Mahesh Chander

Lala Lajpat Rai University of Veterinary & Animal Sciences (LUVAS), Hisar, Haryana

Panjabrao Deshmukh Outstanding Woman Scientist Award 2021

Dr Sushila Maan, Principal Scientist & Head, Department of Animal Biotechnology, College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar was awarded Panjabrao Deshmukh Outstanding Woman Scientist Award 2021. She is recognized for her vital contributions to the extraordinary high impact success of bluetongue virus (BTV) and other pathogens' research and surveillance. Her pioneering work includes the development of innovative next generation sequencing techniques, identification of seven new Orbivirus species and the 26th serotype of BTV. She developed advanced molecular diagnostic systems for pathogens of livestock and wildlife importance, which led to the isolation and identification of new BTV serotypes (BTV-4, 5, 12 and 24) for the first time in India. She demonstrated co-circulation and emergence of multiple BTV serotypes, along with the introduction of exotic viruses thus changing the identity of the dominant strains causing recent outbreaks, potentially reducing the wider efficacy of current pentavalent vaccines being used in India. Responsive molecular strategies of virus strain identification developed by scientist would ensure/improve the diagnosis and the efficacy of the ongoing vaccines to protect against risks posed by a changing compliment of viruses in current circulation eventually leading to improved animal health, poverty reduction and sustainable livelihoods of poor livestock farmers and farming communities of India.



Dr Sushila Maan

Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKVV), Gwalior, Madhya Pradesh

Krishi Vigyan Kendra, Gwalior

Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar

Krishi Vigyan Kendra, Gwalior of RVSKVV, Madhya Pradesh has been awarded Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar 2021. KVK Gwalior is functioning since 1999 in the district for the improvement in the farming practices and livelihood security among the villagers. Thousands of farmers have been benefitted directly or indirectly by the activities of the KVK, Gwalior. The intervention in terms of improve crop and natural resource management as well as adopting principles of integrated framing system have paid big dividends.



KVK, Gwalior

KVK established various demonstration units like vermi-composting, nursery raising and Kadaknath poultry rearing, which are constantly producing vermi-compost, seedling/ sapling, poultry birds, eggs, respectively. KVK developed a model Agro-technology Park at headquarter for the demonstration of improved farming and water saving practices. Agro-technology Park introduced *Kharif* onion, better utilization of natural resources and mushroom production technology to improve livelihood security.

Krishi Vigyan Kendra, Datia

Swami Sahajanand Saraswati Outstanding Extension Scientist Award 2021

Dr Raj Kumar Singh Tomar, Principal Scientist & Head, KVK, Datia, Madhya Pradesh was awarded Swami Sahajanand Saraswati Outstanding Extension Scientist Award 2021 for his outstanding contributions in the field of research and extension activities. He was the principal Investigator of the National Initiatives/ Innovations in Climate Resilience Agriculture (NICRA) project during 2011-12 to 2020-21. Through NICRA project he made sincere attempts for the upliftment of economic status of farmers to improve their livelihood, and mitigation of climatic variability



Dr Raj Kumar Singh Tomar

through promotion of climate resilient techniques of agriculture and livestock production with overall increase in total annual income of farm family. The outreach of KVK in district is very effective through different extension activities like demonstrations, training, effective linkage of agriculture and allied departments, use of ICT (Kisan mobile alert, website, T.V., radio) for mass scale knowledge dissemination, Krishi Mahotsava, Krishi Vigyan Kendra- Agricultural Technology Management Agency (KVK-ATMA) Linkage, strong relation with print media and district administration to disseminate the technologies. KVK, Datia had developed a faith among farming community, to create the change in livelihood through climate-resilient agriculture technologies.

Rani Lakshmi Bai Central Agricultural University (RLBCAU), Jhansi, Uttar Pradesh

Jawaharlal Nehru Award for P.G. Outstanding Doctoral Thesis Research in Agricultural and Allied Sciences 2021

Dr Tanuj Misra was awarded Jawaharlal Nehru Award for Outstanding Doctoral Thesis Research in Agricultural and Allied Sciences 2021 in Social Sciences category for his doctoral thesis on the topic *Image Analysis Algorithm for High-throughput Phenotyping of Rice and Wheat*, pursued from ICAR-Indian Agricultural Research Institute, New Delhi. Computer Vision and Machine Learning aided plant phenotyping has emerged as major solution to non-destructive high throughput precision phenotyping of germplasm for crop improvement and precision agriculture. Dr Tanuj Misra carried out high Ph.D. research work to address two important gaps viz., biomass estimation and automated spike detection and counting in the computer vision aided plant phenotyping. He developed a method for determination of leaf area and leaf fresh weight with enhanced accuracy by multi-modal approach using artificial neural network approach and developed useful R-Packages. He developed a method for automated detection of spikes, the grain bearing organs that determine crop yield in wheat, by using deep learning approaches. This was also converted into software for its effective use. Thus, the new methods and tools developed by Tanuj Misra, are useful to plant scientists involved in crop improvement, and agri-startups involved in precision agriculture.



Dr Tanuj Misra

Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu

Sardar Patel Outstanding ICAR Institution Award 2021

For the year 2021, ICAR conferred the Sardar Patel Outstanding ICAR Institution Award to Tamil Nadu Agricultural University, Coimbatore based on its outstanding performance in teaching, research and extension activities. TNAU students have outperformed other SAU's by securing 374 national level fellowships during the assessment period. TNAU remained at the top among the 71 Central Agricultural Universities / State Agricultural Universities and ICAR Deemed Universities in attracting the students for higher education. In research, at TNAU 74 improved crop varieties were released, and around 2000 SCOPUS index scientific papers published during the period of assessment. TNAU excelled in its outreach activities even during the pandemic period by delivering technologies to about 6 lakh farmers. All these efforts empowered TNAU to clinch this prestigious award of ICAR.



Dr V. Geethalakshmi, VC, TNAU receiving the award from Shri Narendra Singh Tomar, Union Minister of Agriculture & Farmers' Welfare

University of Agricultural Sciences (UAS), Bengaluru, Karnataka

Krishi Vigyan Kendra, Ramanagara

Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar 2021

Krishi Vigyan Kendra, Ramanagara of University of Agricultural Sciences, Bengaluru, was awarded Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar 2021. The KVK is working as resource and knowledge centre to address the problems of farmers related to major crops and enterprises viz., finger millet, minor millets, red gram, coconut, mango, banana, vegetables and allied enterprises like sericulture and livestock rearing. At the KVK Integrated Farming System (IFS) approach was adopted in the whole farm. KVK is demonstrating alternate land use systems like Agri+Silvi+Horti, Silvi+Horti+Pasture, Agri+Horti and Silvi+Horti systems for maximizing income, suitable for small and marginal farmers. Introduction of Bhagya and PKM-1 variety of drumstick in the district has resulted in year-round production of drumstick pods and availability in the market, thus hastening the nutritional security. KVK is producing and selling mango and banana special (micronutrient spray-IIHR technology) due to which farmers are obtaining good quality bunches fetching high price and demand in the market. KVK has refined cycle weeder suiting to different types of crop and has sold more than 3900 units in collaboration with department of agriculture. The adoption level is about 58% due to which there is reduced labour dependency, timely operation and effective inter-cultivation and weed management among trained farm families. Thus, KVK has made a significant impact in developing the agriculture and allied sectors of the district.



KVK, Ramanagara

Uttar Banga Krishi Viswavidyalaya (UBKVV), Cooch Behar, West Bengal

Krishi Vigyan Kendra, Cooch Behar

Pandit Deen Dayal Upadhyay Krishi Vigyan Protsahan Puraskar 2021

Krishi Vigyan Kendra, Cooch Behar - Uttar Banga Krishi Vishwavidyalaya, Cooch Behar, West Bengal was awarded Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar 2021. The Cooch Behar Krishi Vigyan Kendra exemplifies the quality of an outstanding dedicated institute that possesses immense potential to bring a break-through in the farming scenario in a meaningful way with praiseworthy working spirit, and the energetic creative talents with tremendous perseverance no matter how demanding and challenging the situation may be. The Krishi Vigyan Kendra in compliance of the mandated activities of technology generation and dissemination process with due consideration of natural resource management, production of seed and planting material, fingerling, mobilizing and nurturing farmers' club and self-help group organizations as also small-scale farm mechanization in a unique consummate style of mentorship is able to enable the dreams of farmers come true.



KVK, Cooch Behar

Other Awards and Recognitions

Anand Agricultural University (AAU), Anand, Gujarat

4 Star Ranking to the College of Agriculture Information Technology

The Gujarat State Institutional Rating Framework (GSIRF) is a pioneering attempt towards creating world-class institutions in Gujarat by the Knowledge Consortium of Gujarat in partnership with the Indian Centre for Academic Ranking & Excellence (ICARE). The ICARE was tasked with the responsibility to Audit, Assess & Rate Institutions with a clear focus on the outcome of the institutions to help academic leaders identify areas of improvement, bridge the gaps and achieve excellence regionally, nationally and globally. In GSIRF ranking for the year 2022-23 the College of Agricultural Information Technology, the constituent institute of Anand Agricultural University, Anand was awarded a ranking in the category of 4 Star 'Colleges' based on comprehensive performance metrics as set out in GSIRF.



Acharya N.G. Ranga Agricultural University (ANGRAU), Guntur, Andhra Pradesh

Acharya N.G. Ranga Agriculture University (ANGRAU) bagged the prestigious national award instituted by the ICAR. ANGRAU stood in first position in PG scholarships category All India Entrance Examination for Admission Post Graduate (AIEEA PG 2021) at the national level. 58 PG scholarships were bagged by the graduate students of ANGRAU. Dr A. Vishnuvardhan Reddy, Vice Chancellor ANGRAU received the award from the auspicious hands of Shri Narendra Singh Tomar, Union Minister of Agriculture & Farmers' Welfare in the Annual Vice Chancellors' Conference held at National Agriculture Science Centre (NASC) Complex, Pusa, New Delhi on 13 April 2022.



Dr A.V. Reddy receiving the award from Shri Narendra Singh Tomar, Union Minister of Agriculture & Farmers' Welfare

Birsa Agricultural University (BAU), Ranchi, Jharkhand

Student Satish Pahan got Silver Medal in 21st AgriSports

Mr Satish Pahan, student of III Semester, Faculty of Agriculture, BAU, Ranchi won silver medal in long jump (6.35 m) at the 21st All India Inter Agricultural University Sports Meet (AgriSports 2023) held on 20-24 February 2023 at CCSHAU, Hisar.

Dr Rajendra Prasad Central Agricultural University (Dr RPCAU), Pusa, Samastipur, Bihar

- **College of Agricultural Engineering and Technology, RPCAU, Pusa** secured 3rd position in Asia's largest Business Conclave organized by E-Cell Indian Institute of Technology, Mumbai under National Entrepreneurship Challenge (NEC) programme in NEC Basic track competition.
- **Sukhet Model** conceptualized and developed by the University was conferred with second prize by India Universities and Institutions Network for Disaster Risk Reduction -National Institute of

Disaster Management (IUINDRR-NIDM). The award was given to the team of scientists headed by Dr Ratnesh Kumar Jha, Project Director, Centre of Advanced Studies on Climate Change, RPCAU Pusa who also received a certificate, plaque and an amount of Rs 25,000 as a token of appreciation.

Dr Y.S.R. Horticultural University (Dr YSRHU), Venkataramannagudem, Andhra Pradesh

Dr T. Janakiram Vice Chancellor, Dr YSRHU, received Horticulture Leadership Award during Progressive Horticulture Conclave 2023 at GB Pant University of Agriculture and Technology, Pantnagar, Uttarakhand organised by Indian Society of Horticulture Research and Development (ISHRD) on 3 February 2023.



Dr T. Janakiram receiving award

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana, Punjab

Dr Inderjeet Singh, on National Expert Committee for Animal Husbandry and Dairying Sector

Dr Inderjeet Singh, Vice Chancellor, GADVASU, Ludhiana, was nominated as the member of National Advisory Committee for Animal Husbandry and Dairying sector constituted by the Government of India. The committee under the chairmanship of Shri Parshottam Rupala, Union Minister of Fisheries, Animal Husbandry and Dairying is entrusted with the task of prescribing and advocating policies related to cattle and dairy development, feed and fodder, poultry, piggery, sheep, goat, animal health and other livestock components for giving a further positive flip to the livestock sector in India.



Dr Inderjeet Singh

Research.com Ranks GADVASU as Number One University

GADVASU, Ludhiana, placed number one university amongst Best Animal Science and Veterinary Universities in India, and number 213 globally in the 1st edition of Research.com ranking based on data collected from Microsoft Academic Graph. Microsoft Academic Graph is the most prominent and well-established bibliometric database of this type available to the scientific community. Position in the ranking is based on scientists' D-index (Discipline H-index), which only includes papers and citation values for an examined discipline for the faculty of a given university. The ranking process involved a detailed examination of 166,880 researchers' profiles from Microsoft Academic Graph. For the discipline of Animal Science and Veterinary, over 3,419 profiles were examined. Scientists from more than 525 institutions and affiliations were analysed.

Govind Ballabh Pant University of Agriculture & Technology (GBPUAT), Pantnagar, Uttarakhand

University Honoured with Outlook Agritech Summit and Swaraj Awards 2022

GBPUAT was awarded the 'Outlook Agritech Summit and Swaraj Awards 2022' as an Institute of Excellence for its unprecedented work in the field of agriculture. On the occasion, the Chief Executive Officer (CEO), Outlook magazine, Indranil Roy and Editor of Outlook Hindi, Giridhar Jha were present. Dr Anil Kumar Sharma, Director, Extension Education, GBPUAT received the award from Union Minister of Agriculture & Farmers' Welfare, Shri Narendra Singh Tomar in the function organized at NASC Complex, New Delhi.



Dr A.K. Sharma receiving the award from Shri Narendra Singh Tomar, Union Minister of Agriculture & Farmers' Welfare

Best College of Technology Award

College of Technology of the university was awarded the Himalayan Educational Excellence Award 2022 by declaring it as the Best State Government Engineering College of the Year at the 3rd Dehradun International Science and Technology Festival. This award was given on the basis of the educational quality and resources of the college.

Junagadh Agricultural University (JAU), Junagadh, Gujarat

- Junagadh Agricultural University, Junagadh was the only Agricultural University to obtain 5 star rating in Gujarat State Institutional Rating Framework (GSIRF) by Education Department, Government of Gujarat.
- Junagadh Agricultural University, Junagadh received 7th rank in Government Agricultural University in India and **2nd rank** in Gujarat by Education World India Higher Education Rankings 2022-23.
- **Best Debutant Team Award – ‘TIFAN – 2022’:** A team of 25 Under Graduate (UG) students from College of Agricultural Engineering and Technology, JAU, Junagadh won the Best Debutant Team Award and a cash prize of ₹ 25,000 on 11 June 2022 in All-India Agricultural Machine Development Student Competition, Technology Innovation Forum for Agricultural Nurturing (TIFAN)–2022, organized by the Society of Automotive Engineers, India (SAEINDIA), Chennai. The theme of the contest was –Design and Develop a Self- propelled Onion Harvester.

Jawaharlal Nehru Krishi Vishwa Vidyalaya (JNKVV), Jabalpur, Madhya Pradesh

Young Scientist Award

Makhan Singh Karada, second-year Ph.D. student in Forestry Agroforestry at the College of Agriculture (CoA), JNKVV was awarded the M.P. Young Scientist Award with a cash prize of ₹ 20,000. The 38th M.P. Young Scientist Congress was held from 17-19 March 2023 at Samrat Ashok Technological Institute (SATI), Vidisha, and organized by the Madhya Pradesh Council of Science & Technology (MPCST), Bhopal.



Mr. M.S. Karada

Keladi Shivappa Nayaka University of Agricultural & Horticultural Sciences (KSNUAHS), Shivamogga, Karnataka



Dr Sudharani receiving the KSTA award in presence of Dr S. Ayyappan, former DG, ICAR and Chairman KSTA

Dr Sudharani, N., Assistant Professor of Food and Nutrition, Keladi Shivappa Nayaka University of Agricultural & Horticultural Sciences (KSNUAHS), Shivamogga, Karnataka developed a unique farmer's friendly technology on Sahyadri Siri Coffee Leaf Beverage Instant Dip Sachet. She developed the Instant Dip Sachets from the regularly pruned coffee leaves that farmers would typically discard as a waste. Arabica tip leaves are rich in miracle molecule mangleferine (anti-cancerous phytochemical

@10.51mg/g) , and low in caffeine content (4.23mg/g). Well accepted Arabica tip leaf beverage recorded good shelf-life up to 1 year. Importantly this technology can develop secondary income throughout the year for sustainable livelihood of coffee growers by utilizing the discarded waste pruned coffee leaves, cost of the product will be economical compared to available green tea's in the market and can become healthy and economical alternative drink to boost the metabolism. For this significant work she was awarded prestigious KSTA Award for Innovations under General Public category, during 2022-23 by Karnataka Science and Technology Academy, Department of Science and Technology, Government of Karnataka.

Maharashtra Animal & Fishery Sciences University (MAFSU), Nagpur, Maharashtra

Research Leadership Award to Dr A. M. Paturkar

The Vice Chancellor of Maharashtra Animal and Fishery Sciences University, Nagpur Dr Ashish Paturkar was awarded with prestigious Research Leadership Award in India Animal Health Summit 2022 organized by Indian Chamber of Food and Agriculture and Department of Animal Husbandry and Dairying, New Delhi. He received the award at the hands of Acharya Devvrat, Hon'ble Governor of Gujarat in a programme held at New Delhi on 7 July 2022. The summit was inaugurated by Shri Parshottam Rupala, Union Minister of Fisheries, Animal Husbandry & Dairying. The Research Leadership Award is given every year to a scientist having significant contribution in the field of Animal Husbandry. The award for 2022 was bestowed upon Dr Paturkar for his impactful research contribution in the field of food hygiene and veterinary public health. As a scientist Dr Paturkar have handled more than 25 research projects funded by World Bank, Department of Science and Technology, Bhabha Atomic Research Centre etc. He was also nominated by World Health Organization as an expert review member to formulate standards of antibiotic residues in the food of animal origin.



Dr Ashish Paturkar, Vice Chancellor, MAFSU receiving the Research Leadership Award at the hands Acharya Devvrat, Hon'ble Governor of Gujarat

NSS Volunteer of MAFSU bagged National Level Best Volunteer Award

The volunteer of National Service Scheme (NSS) of Nagpur Veterinary College, Nagpur affiliated to Maharashtra Animal and Fishery Sciences University, Nagpur, Mr Divesh Ginnare bagged National level Best Volunteer Award. He received the award in a function held at Rashtrapati Bhavan, New Delhi at the hands of Hon'ble President of India Smt Draupadi Murmu on 24 September 2022. Divesh has become the first student in India from Veterinary Science course to bag the award. He got this award for outstanding social service rendered under NSS. He immensely contributed to the society during COVID period. Previously he was awarded with Best NSS volunteer of Maharashtra State.



Mr Divesh Ginnare receiving National level Best NSS Volunteer Award at the hands of Hon'ble President of India Smt Draupadi Murmu

Punjab Agricultural University (PAU), Ludhiana, Punjab

- The contingent of 18 members from PAU, Ludhiana participated in 36th National Inter-University Youth Festival 2022-23 organised by the Association of Indian Universities (AIU), Ministry of Sports & Youth Affairs, Government of India, New Delhi at the campus of Jain University, Bengaluru from 24-28 February 2023. PAU students represented North Zone & PAU at the National Inter-University Youth Festival in One Act Play, Quiz & Elocution events and won Silver Medal in One Act Play & Bronze Medal in Elocution events.
- The contingent of 27 members from Punjab Agricultural University, Ludhiana participated in 21st All India Inter-University Youth Festival 2022-23 organized by University of Agricultural Sciences, Bengaluru in collaboration with Indian Council for Agricultural Research (ICAR), New Delhi from 13-17 March 2023. PAU students won Silver Medal in Group Song Indian, Bronze Medal in Folk Dance Boys and Mono Acting.



Participants from Punjab Agricultural University, Ludhiana participated in 36th National Inter-University Youth Festival 2022-23



Participants from Punjab Agricultural University, Ludhiana participated in 21st All India Inter-University Youth Festival 2022-23

Prof. Jayashankar Telangana State Agricultural University (PJTSAU), Hyderabad, Telangana

Ms K. Ramya, student from College of Community Science won third prize in Essay Writing Telugu, at State Level Essay writing competition conducted by the Raj Bhavan on 7 January 2023 on G20 India's Presidency, and A. S. Aditya, Agricultural College, Aswaraopet, in Essay Writing in English. While, Akanksha Kumari, Agricultural College, Palem and Sadafi Farheen, Agricultural College, Sircilla won Consolation Prizes in Essay Writing Hindi.

Sardarkrushinagar Dantiwada Agricultural University (SDAU), Sardarkrushinagar, Gujarat

Award of Cadets Welfare Society Fellowship

Ms Gopi D Rabadiya, Senior Under Officer (SUO), National Cadet Corps (NCC) Sub unit, ASPEE College of Nutrition and Community Science belonging to 35 GUJ BN NCC, Palanpur was awarded Cadets Welfare Society fellowship. She was one among the 9 cadets of Gujarat Directorate selected for the Cadets Welfare Society fellowship given to NCC cadets. She is also the only cadet to be awarded with the fellowship in the Sardarkrushinagar Dantiwada Agricultural University and 35 Unit NCC and Banaskantha district.



Sri Karan Narendra Agricultural University (SKNAU), Jobner, Rajasthan

SKN College of Agriculture (COA), Jobner; COA, Fatehpur-Shekhawati, Sikar; COA, Lalsot; COA, Kumher; COA, Navgaon and COA, Peethampuri received the Appreciation Certificate from Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India for contribution in celebration of World Environment Day-2022.



Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K), Srinagar, Kashmir

Young Incubation Mentor Award

Naveed Hamid, BDA IDP SKUAST Kashmir was nominated for the Young Incubation Mentor Award, by Entrepreneurship Global Triumph Foundation in association with Ministry of Culture, Government of India, Bengaluru on 14 September 2022, for his novel contribution and tangible outcomes in field of innovation, incubation and entrepreneurship. He also got Agri Tourism Business Mentor Award, by Parbhanna Foundation and Maharashtra State Tourism Department during National Tourism Film Festival-2022 on 27 September 2022.



Egyptian Agri-tech Company Nominates SKUAST-K Scientist as Advisor

Dr Khursheed Ahmad Dar was nominated as a scientific advisor by Egyptian-based El-Salhiya Agriculture Co. and its European investment partner Netherland Alyasin for the introduction and infrastructure development of sericulture in the country.

Dr Khursheed Ahmad Dar, an assistant professor of sericulture at SKUAST-K's College of Temperate Sericulture, Mirgund, will be visiting Egypt to provide technical guidance for the establishment of sericulture production infrastructure there.

Dr Khursheed is known for popularizing sericulture in border areas of Jammu and Kashmir and Ladakh, like Gurez, Uri, Lolab and Kargil.



Dr K.A. Dar

SKUAST-K Students Bag Fellowship for Pursuing Masters at Kansas State University

Three students from SKUAST-K were awarded research fellowships for postgraduate programmes at Kansas State University, Manhattan, USA. Sabreena Ayoub from the Faculty of Horticulture, Midhat Zulafkar from the Faculty of Agriculture and Muazzama Mushtaq from the Faculty of Forestry are in USA for their masters' degrees at the first public land grant university of the world, Kansas State University (KSU).

Sabreena and Midhat will be working under the mentorship of Prof. P. V. Vara Prasad, Director of Sustainable Intensification Innovation Lab, KSU and Dr Ram Perumal, Professor of Plant Breeding on GWAS and Herbicide tolerance in Pearl Millet, and Muazzama will be working under Nobel Laureate Dr Chuck Rice on soil carbon dynamics under climate change.



Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu

Institution of Excellence Award 2021 to TNAU

Tamil Nadu Agricultural University was conferred with Institution of Excellence Award – 2021 by All India Agricultural Students Association (AIASA). The award was presented on the occasion of International Conference on Advances in Agriculture and Food System towards Sustainable Development Goals (AAFS-2022) held on 22 August 2022, which was jointly organized by University of Agricultural Sciences, Bengaluru; All India Agricultural Students Association and Indian Council of Agricultural Research at University of Agricultural Sciences, Bengaluru (Karnataka). The contribution made by the Tamil Nadu Agricultural University towards educating more than 6,000 students every year in agriculture and allied disciplines, developing 850 varieties and 1,500 technologies that facilitated to augment the food grain production by more than 120 lakh ton in Tamil Nadu, was recognized and acknowledged.



Dr V. Geethalakshmi receiving the award

IFFCO-MC Hackathon Prize Bagged by TNAU Students

Indian Farmers Fertilizer Cooperative Limited - Mitsubishi Corporation (IFFCO-MC) Crop Science conducted Hackathon programme at national level for improving or building a new software program to address issues on the supply chain related to the agro-chemicals. The students of M.Sc. (Agriculture) Bioinformatics - Team Alpha Arrays (Mr J. Infant Richard, Ms S. Divya, Mr S. Dilipraj, Ms R. Anitha and Ms K.K. Pavitra) and MBA (Agri Business Management) - Team Apple Bearers (Mr N. Sivavishnu, Mr K.S. Vishwa, Mr S.P. Dijendra gowda and Mr T. Vijay) bagged the second and third place and received the cash reward of ₹ 50,000 and 30,000, respectively.



Students of Team Alpha Arrays

TNAU Scientist Bagged National Award

Dr D. Suresh Kumar, Director, Centre for Agricultural and Rural Development Studies (CARDS) TNAU, Coimbatore was conferred with the Eighth Professor Ramesh Chandra Agrawal Award of Excellence 2022 for his outstanding contributions in the field of Agricultural Economics by the most prestigious and historically renowned professional body in Agricultural Economics, the Indian Society of Agricultural Economics, Mumbai. This biennial Award which is adjudged by a jury of eminent economists was presented to Dr D. Suresh Kumar during the 82nd Annual Conference of the Indian Society of Agricultural Economics held during 10-12 November 2022 at Central Agricultural University, Imphal, Manipur.



Dr D. Suresh Kumar receiving award

TNAU Bagged TERI-IWA-UNDP Water Sustainability Award 2022-23

The Energy and Resources Institute (TERI), New Delhi, initiated Water Sustainability Award, which aims to encourage the achievement of the Sustainable Development Goal (SDG) on water by way of reducing water footprint among various stakeholders through the adoption of the water neutrality approach. The TERI-IWA-UNDP Water Sustainability Awards evaluates excellence in all kinds of new ideas, approaches, processes, products, services, technologies, and other types of innovations in the water sector, which can tangibly address the SDGs. Tamil Nadu Agricultural University, Coimbatore bagged TERI-IWA-UNDP Water Sustainability Award 2022-23 under Excellence in Water Use Efficiency in Agricultural Sector. On behalf of Dr V. Geethalakshmi, Vice Chancellor, TNAU, Dr A. Raviraj, Dean (Agricultural Engineering) and Dr N. Senthil, Dean, School of Post Graduation Studies, received the award from the Chief Guest Dr Kiran Bedi, Founder and Mentor – Navjyoti Foundation in presence of Mr Bharat Lal, Director General, National Centre for Good Governance and Former Mission Director and Ms Debashree Mukherjee, Special Secretary, Ministry of Jal Shakti and Dr Syamal Kumar Sarkar, Distinguished Fellow and Senior Director, TERI during the award conferment ceremony held at TERI, New Delhi on the eve of World Water Day 2023.



Dr A. Raviraj and Dr N. Senthil receiving the award from Dr Kiran Bedi

Tamil Nadu Dr J. Jayalalithaa Fisheries University (TNJFU), Nagapattinam, Tamil Nadu

- D. Navinkumar, II Bachelor of Fisheries Science (B.F.Sc.) student of Dr MGR Fisheries College and Research Institute, Ponneri won the Champion of Champions trophy in the 9th Tang Soo Do Championship 2022-23, held in New Delhi on 5-6 January 2023 under the aegis of ITF Tang Soo Do Sports Federation of India affiliated to the School Games Federation of India.



D. Navinkumar

• Sports Meet

Students (Ms Vanapriya, Ms Sahaya Rubhasha, Ms Pravarthika and Mr Nithish) from College of Fisheries Engineering (FE) participated in Chief Minister Trophy Sport's meet 2022-23 organized at Nagapattinam from 07-09 February 2023. Ms Vanapriya, secured II and III prizes in the Double and Single Sticks of Silambam event, Ms Sahaya Rubhasha secured II prize in the Shot put event, Ms Pravarthika secured III Prize in High jump event and Mr Nithish secured Second Prize in High jump event. In the event, the 2020-21 batch Students of Dr MGR Fisheries College & Research Institute, Thalainayeru Mr P. Ajith, secured 1st place in the High jump Men and was selected in State level Volleyball team to represent the Nagapattinam District; Ms R.S. Ambrisha (2021-22 batch) secured 3rd place in Shuttle cork singles women and Ms S. Bhavatharani and Ms B. Indhumathi (2020-21 batch) secured 3rd place in Table tennis (doubles) women.



University of Agricultural Sciences (UAS), Bengaluru, Karnataka

AICRP for Dryland Agriculture, received Best Book Award for the book on Integrated Farming Systems in Kannada from Karnataka Science and Technology Academy, Department of Science and Technology, Government of Karnataka on 17 March 2023.

University of Agricultural Sciences (UAS), Raichur, Karnataka

The University of Agricultural Sciences, Raichur received National SIRIDHANYA Award – 2023 under the category as Best Institution for Millet Promotion through Teaching, Research and Extension, during International Trade Fair on Millets and Organics 2023 organized by Department of Agriculture, Government of Karnataka at Palace Grounds, Bengaluru from 20-22 January 2023.



Dr M. Hanumanthappa, VC, UAS, Raichur receiving award from Shri Narendra Singh Tomar, Union Minister of Agriculture & Farmers' Welfare

CONVOCATIONS

Anand Agricultural University (AAU), Anand, Gujarat

The 19th Convocation of Anand Agricultural University, Anand was held on 19 February 2023. Shri Acharya Devvrat, Hon'ble Governor, Gujarat and Chancellor of University graced the occasion with his full-time online presence and Shri Raghavjibhai Patel, Minister of Agriculture, Animal Husbandry, Cow Breeding, Fisheries, Rural Housing and Rural Development, Government of Gujarat, graced the occasion.

In his welcome address, Dr K. B. Kathiria, Vice Chancellor, AAU, conveyed his greetings and best wishes to all the successful scholars for their awards as well as degrees. He profusely welcomed Governor of Gujarat and Minister of Agriculture. After sharing its glorious history, he congratulated the faculty, students and staff of AAU for getting ICAR accreditation of constituent colleges and their programs.



Dignitaries felicitating students with awards

In his speech, Shri Raghavjibhai Patel emphasized the use of new technologies like nano fertilizer and mechanization in agriculture. He also mentioned his views about his visit to different research farms and congratulated Vice Chancellor and his team for the research work done by the scientist for the benefit of farmers.

Dr S. A. Patil, former Director, IARI and Former Chairman, Karnataka Krishi Mission, Government of Karnataka, graced the occasion as the Chief Guest of the function. He started his speech by sharing his views regarding the achievements of the university mentioned in the welcome speech by Vice Chancellor and congratulated him and his team for such great work for the benefit of farmers. He emphasized increasing food production to satisfy the needs of day by day increasing population of our country.

In his convocation speech, Shri Acharya Devvrat, Hon'ble Governor of Gujarat, felt content with the overall progress and quality deliverables made by AAU in the preceding year. He congratulated the Vice Chancellor and his team for successfully conducting various research trials on natural farming and said that integrating livestock with natural agriculture is going to transform Indian agriculture to release multiple benefits in terms of added sustained income to farmers.

During the convocation, 629 students were conferred with their Under Graduate (UG), Post Graduate (PG) and Doctoral degrees cutting across 6 faculties of the universities. Out of these, 54 students obtained their Ph.D. degree while 237 achieved their master's degree. Dr Gautam Patel, Registrar, AAU, formally announced the names of award winners. In all, 31 bright students were bestowed with 58 medals comprising 19 gold medals, 33 gold-plated silver medals and 6 cash prizes across various faculties. AAU faculty members namely Dr D. B. Sisodiya received the Best Teacher Award, Dr R. R. Acharya as the main researcher and Dr M. M. Pandya, Dr N. A. Patel, Dr V. I. Joshi, Dr Jalpa Lodaya as a co-researchers received the Best Main Researcher Award and Best Co-Researcher Award, respectively. Further Best Extension Award was conferred to Dr H. L. Kacha, Senior Scientist and Head, KVK, Dahod.

Acharya N.G. Ranga Agricultural University (ANGRAU), LAM, Guntur, Andhra Pradesh

52nd and 53rd Combined Convocation

The 52nd and 53rd combined convocation ceremony was held at Mahati Auditorium, College of Tirupati on 8 June 2022. Shri Biswabhusan Harichandan, Hon'ble Governor, Andhra Pradesh graced the occasion as Chief Guest and delivered the convocation address. Shri K. Govardhana Reddy,

Minister for Agriculture and Cooperation, Marketing and Food Processing, Government of Andhra Pradesh graced the occasion as Special Guest. Dr A. Vishnuvardhan Reddy, Vice Chancellor, ANGRAU read out the progress report of ANGRAU. The combined convocation ceremony presented degrees to the 371 candidates who passed in the academic years 2018, 2019 and 2020. A total of 48 candidates opted for obtaining their degrees in-absentia. As many as 74 Doctor of Philosophy (Ph. D.) candidates, 233 Post Graduates in agriculture; 15 Ph.D. candidates, 29 Post Graduates in agricultural engineering; 20 Post Graduates in community science received their certificates in-person.

Dr A. Satyanarayana, Ex-Director of Extension, ANGRAU received Dr M.V. Reddy Memorial Award and Dr Ashok Kumar Singh, Director, ICAR- Indian Agricultural Research Institute (IARI) received Prof. Ramchandra Rao Memorial Award for their contributions in the field of Agriculture.



54th Convocation

The 54th Annual Convocation was conducted at Agricultural College, Bapatla on 15 September 2022. The Hon'ble Governor of Andhra Pradesh and Chancellor, ANGRAU, Shri Biswabhusan Harichandan participated virtually and delivered the message. Dr A Vishnuvardhan Reddy, Vice Chancellor, ANGRAU presented the University's report. Dr Ramesh Chand, Member, NITI Aayog was the Chief Guest, and was conferred with Doctor of Science (*Honoris Causa*). The Members of the Board of Management, University Officers, and Members of the Academic Council, Faculty, Officials, Staff, Students and their Parents participated in the programme. During the convocation 1,172 UG and 119 PG and Ph. D. students were awarded with the degrees.

Agriculture University (AU), Kota, Rajasthan

Agriculture University, Kota organised its 6th Convocation on 13 March 2023. The Hon'ble Governor of Rajasthan and Chancellor of the University Shri Kalraj Mishra chaired the convocation and awarded degrees to 434 Bachelors, 86 Masters and 07 Ph.D. students including 23 gold medals for the academic session 2020-21 and 2021-22 in the faculty of Agriculture, Horticulture, and Forestry. Hon'ble Governor advised the students that they should apply their acquired knowledge in daily behavior and motivated them to use this knowledge for the development of society and nation. Prof. S. L. Mehta, former DDG, Education, ICAR, New Delhi and Vice Chancellor, MPUAT, Udaipur was the Chief Guest. In his address Dr S. L. Mehta emphasized on establishment of Centres of Excellence in genetics and plant breeding, natural resources management, insect-pest monitoring, value addition in fruits and vegetables. On this occasion, Hon'ble Chancellor also released three booklets namely, *Research Highlights 2019-22*, *Organic Farming* and *Millets Production Techniques in Baran District*. Besides, two crop varieties viz., Kota Kabuli Chana 3, Kota Urd 4 were released, and Trichoderma Laboratory at ARS, Kota was also inaugurated. On this occasion Dr A. K. Vyas, Vice Chancellor presented the progress report of the university.



Birsa Agricultural University (BAU), Ranchi, Jharkhand

Birsa Agricultural University, Ranchi organized 7th convocation on 6 February 2023. A total of 1,139 students were awarded degrees in undergraduate, post graduate and Ph.D. courses run by the university during the year 2019, 2020 and 2021. Out of these 3 passed out students (One in a year) were awarded the Chancellor's Gold Medal given by the Hon'ble Governor Shri Ramesh Bais. A total of 21 students, including 12 students in the undergraduate and 9 students in the post graduate course of the university were awarded the title of University Gold Medal by the Hon'ble Governor. For the first time, students of 7 new colleges established under BAU in the last 6 years were awarded graduation degree and university gold medal.



Hon'ble Governor, Jharkhand; DG, ICAR; VC, BAU with Chancellor Medalist & Gold Medalist students during 7th Convocation of BAU

On the occasion, Hon'ble Governor Shri Ramesh Bais emphasized on encouraging integrated farming system, every agriculture graduate visiting 5 villages to understand the conditions, problems and priorities of the farmers and find solutions to ensure regular and sustainable income to the farmers.

In the convocation address, Dr Himanshu Pathak, Secretary, DARE and Director General, ICAR, New Delhi, told the students to dedicate themselves for better work in the society and bring laurels to their teachers, institution, village, city, town or province by their contribution.

In the welcome speech, Vice Chancellor, BAU, Dr Onkar Nath Singh emphasized on the students to think in the direction of starting self-employment instead of running behind jobs and also become job providers.



Hon'ble Governor Jharkhand facilitated students with Chancellor Medal during 7th Convocation

During convocation, 482 students in B. Sc. (Hons.) in Agriculture, 45 students in B. Sc. (Hons.) in Horticulture, 37 students in B. Tech in Agricultural Engineering, 103 students in B. Sc. (Hons.) in Forestry Science, 45 students in B. Tech. in Dairy Technology, 83 students in B. V. Sc. (Hons.), 50 students in B. F. Sc. (Hons.) and 43 students in Bachelor of Vocational course were awarded the degrees.

90 students in M. Sc. (Agriculture), 20 students in Master of Veterinary Science (M. V. Sc.), 42 students in M. Sc. (Forestry), 13 students in M. Tech. (Agriculture Engineering), 22 students in M. Sc. (Biotechnology), and 38 students Master of Agri-Business Management (MABM) were awarded degrees. Under Ph.D. course, 20 students were awarded degree in Agriculture, 1 in Forestry and 4 in Veterinary Science.

Dr Rajendra Prasad Central Agricultural University (Dr RPCAU), Pusa, Samastipur, Bihar

The 3rd Convocation of the university was organized on 28 February 2023 to award degrees to 635 students of UG, PG and Ph.D. programmes. The event was graced by Shri Narendra Singh Tomar, Union Minister of Agriculture and Farmers' Welfare; Shri Kailash Chaudhary, State Minister of Agriculture and Farmers' Welfare, Government of India; Members of



Parliament, Shri Ajay Nishad, Smt Vina Devi, Shri Ramprit Mandal, Shri Prince Raj; Secretary, DARE and DG ICAR, Dr Himanshu Pathak; and Dr P.K. Mishra, Chancellor, Dr Rajendra Prasad Central Agricultural University, Pusa. The Tiranga (National flag) was also installed in the University Headquarter campus on this occasion.

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana, Punjab

2nd Convocation of GADVASU was held on 20 April 2022 at University Campus, Ludhiana. In the second convocation 318 students were awarded degrees who have successfully completed their academic programmes in Doctor of Philosophy, Master of Veterinary Science, Master of Dairy Science and Technology, Master of Fisheries Science, Master of Veterinary Science/ Master of Science (Biotechnology), Bachelor of Veterinary Science and Animal Husbandry, Bachelor of Dairy Science and



Technology, Bachelor of Fisheries Science and Bachelor of Biotechnology. A total of 24 Gold Medals for different Academic Years were also awarded to meritorious students for excelling at university level. The Hon'ble Governor of Punjab and Chancellor of the University, Shri Banwarilal Purohit awarded degrees and congratulated the youth who have received their degrees after successfully completing the rigorous academic and research programmes. He highlighted the role of universities in producing knowledgeable, erudite and cultured citizens for the nation. Dr Inderjeet Singh, Vice Chancellor of GADVASU, in his convocation speech put forth the magnificent achievements of the university. Shri Tarun Shridhar, retired IAS and Member (Administrative), Central Administrative Tribunal also received Doctor of Philosophy (*Honoris Causa*) for his praise-worthy contribution in livestock and fisheries sectors. He also shared rich and interesting experiences of his life as a bureaucrat. Dr Umesh Chandra Sharma, President, Veterinary Council of India, Members of Board of Management of GADVASU, officers, faculty and other dignitaries also graced the occasion.

Govind Ballabh Pant University of Agriculture & Technology (GBPUAT), Pantnagar, Uttarakhand

The 34th Convocation of the University was held on 16 February 2023 in Convocation Ground. The Hon'ble Governor of Uttarakhand and Chancellor of the University Lieutenant General (Retd.) Gurmit Singh presided over the function. Dr Himanshu Pathak, Secretary, DARE & Director General, ICAR was the Guest of Honour, whereas, Shri Ganesh Joshi, Agriculture Minister of Uttarakhand was the Special Guest.

The National Security Advisor of India Shri Ajit Kumar Doval was conferred the honorary degree of Doctor of Science (*Honoris Causa*). A total of 2503 degrees, including 1269 Undergraduate, 963 Master's and 271 Ph.D. were awarded to the students. Chancellor's Gold Medal for Bachelor of Science was given to Ms Roshni Chand Id No: 49728 (2020-21) and Ms Survi Rawat Id No: 53027 (2021-22) for overall best performance. Best Post Graduate student award was given to Mr Hemant Kumar Sharma (Id No: 52817) and Best Doctoral student award was given to Ms Ranjana Sirohi (Id No: 48183) for 2019-20. Bharat Ratna Pandit Ballabh Pant Post Graduate award was given to Ms Diksha Maletha (Id No: 44660) and Bharat Ratna Pandit Ballabh Pant Doctoral award was given to Mr Prithwiraj Dey (Id No: 51042) for 2020-21. Besides, 26 Vice Chancellor's Gold Medal (13 each for 2020-21 and 2021-22), 22 Vice Chancellor's Silver Medal (12 for 2020-21 and 10 for 2021-22), and 21 Vice Chancellor's Bronze Medal (11 for 2020-21 and 10 for 2021-22), and 05 different awards were also given to students for excellence in different subjects.

Junagadh Agricultural University (JAU), Junagadh, Gujarat

On a delightful morning of 9 January 2023, Junagadh Agricultural University celebrated 18th Annual Convocation with great joy and enthusiasm in the auspicious presence (virtual) of Hon'ble Governor of Gujarat and Chancellor of the University, Shri Acharya Devvrat; Shri Deepak Shah, Chairman, SML Group of Companies as the Chief Guest and Dr S. K. Bera, Director, ICAR-DGR, Junagadh as the Guest of Honour. The event commenced with the welcome address by Dr V. P. Chovatia, Vice Chancellor, JAU. He presented the glimpses of activities and achievements of the university in academic, research and extension during the year. A total of 62 Gold Medals/Gold Plated Silver Medals including 03 Chancellor's Gold Medals, 03 Vice Chancellor's Gold Medals, 2 Donor Gold Medals and 53 Donors' Gold Plated Silver Medals and 01 cash prize awarded to 17 graduates and post graduates of different faculty for their brilliant academic performance.



Shri Deepak Shah, Chairman, SML Group of Companies and Chief Guest of the function delivered convocation address. He ignited the minds of the students for taking Indian agriculture to new horizons by applying the knowledge gained during the study. Dr S. K. Bera, Director, ICAR - DGR, Junagadh appreciated achievements of JAU and motivated the students for higher studies and highlighted the scope and challenges in agriculture sector in India.

Shri Acharya Devvrat, Hon'ble Governor of Gujarat and Chancellor of the University conferred degrees to a total 574 Graduates and Post Graduates of various faculties of JAU. Hon'ble Governor also launched JAU Android app **i-Krishi Sanhita** developed by JAU to provide valuable information and advisory to farmers. The Chancellor appreciated the students for their academic excellence. Dr Kalpesh Kumar, Registrar, proposed vote of thanks to dignitaries, all guests and students.

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences (KSNUAHS), Shivamogga, Karnataka

The 7th Convocation of KSNUAHS, Shivamogga was held on 28 September 2022 at Main Campus Iruvakk. Shri Thaarwarchand Gehlot, Hon'ble Governor of Karnataka and Chancellor of University presided over the convocation and conferred the degrees to all the graduates. During the convocation 355 UG (B.Sc. Hons. Agriculture/B.Sc. Hons. Horticulture/B.Sc. Hons. Forestry), 79 M.Sc. and 10 Ph.D. students were conferred the degrees.

Shravya K.J., B.Sc. (Hons.) Agriculture, College of Agriculture, Shivamogga has been awarded 4 Gold Medals - (i) UAHS Gold Medal for General Merit, (ii) Smt Kasturi Shivappa Rotti and Smt Vijayalaxmi Sataveer Rotti Gold Medal Instituted for the Meritorious graduate student of COA, Shivamogga, (iii) Dr Leslie C. Coleman Gold Medal among highest Marks in Agricultural Entomology subjects in B.Sc. (Hons.) Agriculture Degree Programme (9.44), and (iv) Smt Asha Sheshadri and Kannangi Sheshadri Gold



Student receiving degree from Hon'ble Governor, Karnataka in presence of Dr R.S. Paroda and Vice Chancellor, KSNUAHS Dr. R.C. Jagadeesha

Medal, Instituted for the Meritorious Student of all the UG degree programmes of UAHS, Shivamogga for the year 2020-21. University also awarded 33 Gold Medals to 24 meritorious students.

Dr R.S. Paroda, Chairman, Trust for Advancement of Agricultural Sciences (TAAS), New Delhi and Former Secretary, DARE & Director General, ICAR was the Chief Guest and delivered the convocation address. He emphasized on the issues of integrated farming system approach, climate resilient agriculture, organic farming, sustainable forestry, integrated pest management (IPM)/bio control/ micro biome technology, animal husbandry, fishery technologies, nano-technology in different fields of agriculture, high tech horticulture, vertical farming, urban farming, precision farming and protected cultivation especially for export-oriented vegetables and flowers. He complimented the Vice Chancellor and the faculty of KSNUAHS, Shivamogga for their efforts in innovating and addressing the regional needs.

Maharana Pratap University of Agriculture & Technology (MPUAT), Udaipur, Rajasthan

On 21 December 2022, the 16th Convocation of MPUAT was held with great fervour and gaiety. In a glittering ceremony Hon'ble Governor of Rajasthan Shri Kalraj Mishra awarded 35 medals to the meritorious students and awarded 68 Ph.D., 126 Post Graduate and 760 Graduate degrees to the students. In his presidential address he urged to work with greater passion to make agriculture more productive and profitable. Dr S.L. Mehta, Former Vice Chancellor of MPUAT & former DDG (Agril. Education) ICAR, delivered the Convocation Address on modernization of agriculture to enhance production. Dr Ajeet Kumar Karnatak, Vice Chancellor placed the annual report of the university.



Navsari Agricultural University (NAU), Navsari, Gujarat

The 18th Annual Convocation of Navsari Agricultural University was held on 03 March 2023. Hon'ble Governor of Gujarat and Chancellor of the University and President of the function Shri Acharya Devvrat conferred degrees to the University graduates. The convocation ceremony was graced by Shri Raghavbhai Patel, Minister of Agriculture, Animal Husbandry & Cow-Breeding, Government of Gujarat as Guest of Honour in virtual mode; Dr R. C. Agrawal, DDG (Agril. Education), ICAR, New Delhi as Chief Guest along with Vice Chancellor of NAU, Dr Z. P. Patel, Vice Chancellors of SAUs of Gujarat, members of the Board of Management, Academic Council, distinguished guests, district authorities, University officers, Principals and Deans, faculties, students and parents.



Felicitating of Hon'ble Chancellor Shri Acharya Devvrat, President of Annual Covocation by Vice Chancellor, Dr Z.P. Patel

In this convocation ceremony, total 723 students were conferred with various degrees including Bachelors' Degree to 442 students, Masters' Degree to 217 and Doctorate Degree to 64 students.

NAU, Navsari awarded the first Honorary Doctorate in Agricultural Sciences (*Honoris Causa*) degree to Shri Sharadbhai L. Patel, Managing Director, ASPEE Group of Companies.



The proud recipients of Degrees/Awards and Distinctions during the convocation

Dr K. B. Rakholiya, Professor and Head, Department of Plant Pathology, NMCA was awarded with Best Teacher Award and Dr H.E. Patil, Associate Research Scientist, Hill Millet Research Station, Waghai was awarded with Best Researcher Award in 18th Annual Convocation.

P.V. Narasimha Rao Telangana Veterinary University (PVNRTVU) Hyderabad, Telangana

The 3rd Convocation of PV Narsimha Rao Telangana Veterinary University, Hyderabad was organised on 7 April 2022. The Hon'ble Governor of Telangana and Chancellor of the university Dr Tamilisai Soundararajan addressed the gathering in online mode. Dr Bhupendra Nath Tripathi, Deputy Director General (Animal Sciences) ICAR, New Delhi was the Chief Guest and delivered convocation address. Members of the Board of Management and Academic Council also had



a dignified presence in the program. Dr V. Ravinder Reddy, Vice Chancellor of PVNRTVU presented the report of the University. A total of 478 students (384 graduates, 68 post graduates and 26 doctorates) were conferred with degrees under the faculties of Veterinary Science, Dairy Science and Fisheries Science and 18 Gold medals were awarded to UG, PG and Ph.D. students during the convocation.

Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya (RVSKVV), Gwalior, Madhya Pradesh

The 8th Convocation of Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior was held on 12 October 2022. Shri Mangubhai Patel, Hon'ble Governor of Madhya Pradesh and Chancellor, RVSKVV, Gwalior presided over the function. Shri Kamal Patel, Minister, Agriculture and Farmers Welfare, Government of Madhya Pradesh, Shri Bharat Singh Kushwaha, Minister, Horticulture and Food Processing and Narmada Valley Development and Dr R.C. Agrawal, DDG (Agricultural



Education), ICAR, New Delhi, were the Guest of Honour, while Members of Board of Management and Academic Council, Directors, Deans, Faculty members, staff, distinguished guests and recipients of Degrees graced this event. In the Convocation, a total of 638 students were conferred UG, PG and Ph.D. degrees and four students received Gold Medals.

Sri Konda Laxman Telangana State Horticultural University (SKLTSHU), Mulugu, Telangana

Sri Konda Laxman Telangana State Horticultural University conducted 2nd Convocation on 23 December 2022 at main campus, Mulugu in physical mode. Hon'ble Governor of Telangana, the Lieutenant Governor of Puducherry and the Chancellor of Sri Konda Laxman Telangana State Horticultural University (SKLTSHU), Dr (Smt) Tamilisai Soundararajan and Dr Anand Kumar Singh, DDG (Horticultural Science), ICAR as Chief guest have graced the convocation. During this convocation, 575 students (482 UG, 76 PG and 17 Ph.D. Horticulture) were conferred with degrees. A total of 11 gold medals were awarded which includes three University medals for UG, two University medals for PG and six sponsored medals for PG students who secured highest OGPA.

Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu (SKUAST-J), Jammu & Kashmir

The 7th Convocation of SKUAST-Jammu was held from 26-28 June 2022 at Baba Jitto Auditorium, SKUAST, Chatha. Hon'ble Lieutenant Governor of JK-UT and Chancellor of University, Shri Manoj Sinha was the Chief Guest on the occasion. Prominent personalities including Dr Nirmal Singh, Former Deputy Chief Minister of erstwhile J&K State; Sh. Atal Dullo, Financial Commissioner (Additional Chief Secretary), Agriculture Production Department; Dr S.P. Tiwari, Vice Chancellor, Nanaji Deshmukh Veterinary Sciences University, Jabalpur; Dr R. K. Sinha, Vice Chancellor, Shri Mata Vaishno Devi University, Katra; Dr Sanjeev Jain, Vice Chancellor, Central University Jammu, Jammu; Dr Raghav Langer, Administrative Secretary, Planning and Development Department; former Vice Chancellors; former Ministers, ex-Legislators, faculty, and students attended the convocation. Three Vice Chancellor gold medals were awarded to Master and Doctorate scholars. Dr P. L. Gautam, Pro-Chancellor, Career Point University, Hamirpur, HP and Advisor Graphic Era Hill University, Dehradun, was awarded degree of Doctor of Science (*Honoris Causa*). The award of degrees and medals included – Award of *Honoris Causa* (02), Ph.D. degrees to 181 students, M.Sc. Agri and Allied Sciences degrees to 305 students, M.V.Sc. 103 students, M.Sc. Basic Sciences Degrees to 28 students, B.Sc. (Hons.) Agriculture and B.Sc. (Hons.) Biotechnology Degrees to 421 students, Bachelor of Veterinary Science and Animal Husbandry (B.V.Sc. & A.H.) to 265 students. Merit Certificates were awarded to 283 meritorious students. Four Gold medals were awarded one each to B.Sc. (Hons.) Agriculture, B.Sc. (Hons.) Biotechnology and B.V.Sc. & A.H., whereas, 02 medals were awarded for M.Sc. Vegetable Sciences degree holders.

Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT), Meerut, Uttar Pradesh

The 15th Convocation of the University was organized on 16 December 2022 in the august presence of Hon'ble Governor, Uttar Pradesh and Chief Guest Padmabhushan Dr R.B. Singh, former Chancellor, Central Agricultural University, Imphal (Manipur), former President, National Agricultural Academy (NAAS), New Delhi.



University of Agricultural Sciences (UAS), Bengaluru, Karnataka

On 9 September 2022, the University of Agricultural Sciences, Bengaluru conducted its 56th Convocation. Dr S. Rajendra Prasad, Vice Chancellor, UAS-B, extended a warm welcome and provided an overview of the university progress report. Shri Thawar Chand Gehlot, Hon'ble Governor of Karnataka and Chancellor of UAS-B, declared the Convocation Open. Dr Rajendra Singh Paroda, Chairperson of Trust for Advancement of Agricultural Sciences, New Delhi, and Shri B.C. Patil, Minister for Agriculture, Government of Karnataka and Pro-Chancellor of UAS-B delivered the convocation address.



During the 56th convocation, in total 1144 students were awarded degrees, including 751 graduates with bachelor's degrees, 304 graduates with master's degrees, and 89 graduates with doctoral degrees. Ms H. S. Chandhana, Agricultural College, Hassan won 11 gold medals in the B.Sc. (Hons.) Agriculture degree programme. Ms M. N. Roopa, a student at the College of Agriculture, V. C. Farm,

Mandya, secured second place with 8 gold medals. Ms K. M. Pravalika bagged five gold medals from the Department of Agronomy's Master's Degree Program. Ms D. V. Kusumalatha received three gold medals for the Department of Agricultural Extension in the Ph.D. programme. Moreover, Shri N.C. Patel, a progressive farmer from Bengaluru North Taluk received honorary doctorate.

University of Agricultural Sciences (UAS), Dharwad, Karnataka

India can be made *Atma Nirbhar* through vibrant agriculture said Shri Thawarchand Gehlot, Hon'ble Governor of Karnataka and Chancellor of UAS, Dharwad. He was delivering Presidential address and conferring the degrees and other awards at the 35th Convocation of UAS, Dharwad on 7 June 2022. He expressed hope that the students who are leaving this University, with adequate knowledge and skill will be able to serve the nation in uplifting agriculture sector and in improving the economy.

A total of 890 candidates were conferred with various degrees at the 35th Convocation. Of these, 765 received the degree in person and the remaining 125 candidates received the degree in absentia. During this convocation, the graduates from Agriculture (406), Forestry (62), and Agricultural Marketing and Co-operation (54), Community Science (53) and 20 graduates from B. Tech (Food Technology) received the degrees accounting to 595 graduates. A total of 253 candidates received Postgraduate degrees. Of these, 204 students took degree in person and 49 students in absentia. These students belonged to M.Sc. (Agriculture) – 224, M.Sc. (Forestry) –3, M.Sc. (Community Science) –11, and M.B.A (Agribusiness)–15.

The Degree of Doctor of Philosophy was conferred to 42 candidates of whom, 39 received degree in person and 3 students in absentia. In this convocation, 48 Gold Medals and 11 Cash prizes were presented to the meritorious students. Shri Thawarchand Gehlot awarded three Honorary Doctorates to Manager, Quality Control, Ugar Sugar Works Ltd, Ugar Khurd (Belagavi), Shri Jagadish Hari Kulkarni; 49th Mathadhipati and Sole Trustee, Shri Sidhagiri Math, Kaneri Kolhapur, Maharashtra, Shri H.H. Aadrushya Kadsiddheshwar Swami and innovative farmer Master trainer on organic and natural farming of Ajdawda Village, Barnagar Block, Ujjain, Madhya Pradesh Shri Yogendra Kaushik.



Hon'ble Governor of Karnataka, Shri Thawarchand Gehlot (centre); Minister for Agriculture, Govt. of Karnataka Shri B. C. Patil; DDG (Agril. Education), ICAR, Dr R. C. Agrawal; Vice Chancellor, Dr M. B. Chetti; and Registrar, Shri Shivanand B. Karale



Hon'ble Governor of Karnataka Shri Thawarchand Gehlot presided over the 35th convocation and conferred the degrees and other awards.

PATENTS

Acharya N.G. Ranga Agricultural University (ANGRAU), LAM, Guntur, Andhra Pradesh

- Patent for Mechanized system for preparing paper sweet (*Pootharekulu*) films, was granted on 07.09.2022 (Patent No: 201641004262).
- Production of alcohol (Nutrohol) from *Agave albomarginata* (Patent No: 395370, Dt: 25.04.2022).
- The university patented a process for manufacturing of blended fruit squash with prickly pear (*Opuntia ficus indica* and *Opuntia dillenii*) fruit juice and lemon juice (Patent No: 411468, date 15 November 2022).

Birsa Agricultural University (BAU), Ranchi, Jharkhand

Herbal formulation Birsol

The Herbal Formulation Birsol developed by Dr Kaushal Kumar, Department of Forestry Products and Utilization, Faculty of Forestry, BAU, Ranchi was awarded a patent certificate (Patent No. 422100) issued by the Intellectual Property Office, Gol on 16 February 2023. The herbal formulation Birsol is extremely beneficial for the skin along with relieving joint inflammation and pain externally and much more beneficial in common joint pain as compared to medicines available in the market. Products like balm, lotion, spray and cream can be prepared from this herbal formulation. It will be shortly available in the drug market by the name of BAU Birsol.



Dr O. N. Singh, VC, BAU
receiving Patent Letter of Herbal
formulation Birsol

Chaudhary Charan Singh Haryana Agricultural University (CCSHAU), Hisar, Haryana

Graphene Oxide-Polycarbonate Track-Etched Nanosieve Platform for Sensitive Detection of Human Immunodeficiency Virus Envelope Glycoprotein, **Patent No. 413178**, dated 30 November 2022, by K.P. Singh, Anuj Nehra (CCSHAU); Dimiter Dimitrov, Annu Puri (USA rep by Secretary of Department of Health and Human Service).

Dr Rajendra Prasad Central Agricultural University (Dr RPCAU), Pusa, Samastipur, Bihar

Hand tool for Okra harvesting

(Patent Number: 415931, Date of Grant: 29.12.2022). This is a wonderful tool designed by the College of Agricultural Engineering and Technology (CAET), RPCAU, Pusa to facilitate easy and fast harvesting of okra. This has been granted patent for 20 years w.e.f. 03.03.2022.



Okra harvesting tool

A Power Driven Device for Shelling and Hulling of Grains

(Patent Number: 417406 Date of Grant: 10.01.2023). This device was designed by the CAET, RPCAU, Pusa to save the time and labour requirement in shelling and hulling of grains. This was granted patent for 20 years w.e.f. 04.06.2022.

Multi-Crop Seeder

(Patent Number: 425659, Date of Grant: 17.03.2023).

The Multi Crop Seeder was designed and developed by CAET, RPCAU, Pusa with system of easy seed sowing in various crops. This was granted patent for 20 years w.e.f. 23.06.2022.

Mushroom substrate pasteurizer

Design number: 358116-001, Date of Issue: 19.01.2023. A unique Mushroom substrate pasteurizer was designed by Advance Research Centre on Mushroom, RPCAU, Pusa to pasteurize sufficient quantity of substrate in a short time.

Rajendra Pusa Mushroom Samosa

(Patent Number: 419887, Date of Grant: 31.01.2023). A unique Mushroom product Mushroom Samosa was developed by Advance Research Centre on Mushroom, RPCAU, Pusa with delicious taste and high nutritional value. This has been granted patent for 20 years w.e.f. 25.07.2019.

Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana, Punjab

GADVASU, Ludhiana obtained a patent (Patent no. 396356) for the technology of Buffalo Milk Protein Concentrate. The GADVASU scientists suitably modified the ionic and protein environment of buffalo milk for the production of highly soluble and functional buffalo milk protein concentrate.

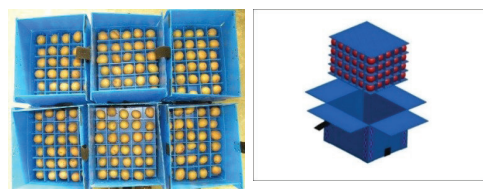
Govind Ballabh Pant University of Agriculture & Technology (GBPUAT), Pantnagar, Uttarakhand

- An Animal Drawn Multipurpose Tillage Device (Patent No. 401337, dated 15.07.2022). The present invention relates to a multipurpose Tillage Device, and more particularly to a light weight Animal drawn Multipurpose Tillage Device for soil preparation developed at Department of Farm Machinery and Power Engineering, College of Technology. The invention in particular provides a tillage device that can be fitted with different types of soil working elements for performing various farm operations like cultivator, puddler, leveller, interculture implement, weed rake, planker or the like.
- An Angora-Lyocell Blended Fabric for Fashion Apparels (Patent No. 416912, dated 05.01.2023). This invention is related to a preparation of a new blended fabric made from two eco-friendly biodegradable natural fibers developed at Department of Clothing and Textile, College of Home Science. One is angora rabbit hair fiber, obtained from Angora rabbit (*Oryctolagus cuniculus*), blended with a regenerated cellulosis fiber lyocell, obtained from wood pulp through an eco-friendly processing technology and sold under the brand name Tencel.
- The main purpose of introducing the newly blended fabric to textile market is to fulfil the demand of fashion and health conscious eco-friendly textiles customers and to enhance the demand/scope of angora wool in the global market.

Junagadh Agricultural University (JAU), Junagadh, Gujarat

Foldable Container for Storage and Transportation of Agricultural Produce

The Foldable Container for Storage and Transportation of Agricultural Produce (Patent No. 404866) was developed under the AICRP on Plastic Engineering in Agriculture Structure and Environment Management at Department of Renewable Energy Engineering, College of Agricultural Engineering and Technology, JAU, Junagadh. This unique invention was granted a patent by the Patent Office, Government of India on 29 August 2022 from 6 March 2013 for 20 years. This box is strong, light weight, long lasting, clean, good stacking and moisture free. Its cell can be adjusted according to fruit size, sheets can be separated to nullify impact damage of upper layer, perforation is provided for proper respiration. Use of this box can minimize transportation loss. The container is completely foldable and reusable, it is efficient in handling, transportation and storage of horticultural produce.

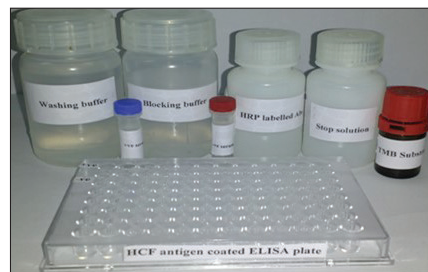


Foldable Container

Maharashtra Animal and Fishery Sciences University (MAFSU), Nagpur, Maharashtra

Patent for ELISA

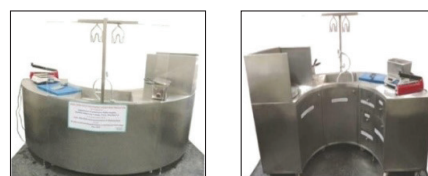
Indirect-ELISA kit for diagnosis of Hydatidosis, a parasitic zoonotic disease in cattle, developed by MAFSU, Nagpur under ICAR sponsored research project entitled Outreach Programme of Zoonotic Diseases. The Patent Office, Intellectual Property India, Government of India granted a patent for 20 years on dated 04 January 2023 (Patent No.416846) to MAFSU for this research work. This research was conducted at Department of Veterinary Public Health, Mumbai Veterinary College, Parel, Mumbai.



Indirect-ELISA Kit for the diagnosis of Hydatidosis in cattle

Retail Chicken Slaughter Unit for Hygienic Meat Production

Mumbai Center of MAFSU, Nagpur, developed Retail Chicken Slaughter Unit for production of clean and hygienic meat that reduces the chances of meat spoilage hence declines disease outbreaks. The unit developed under ICAR sponsored All India Co-ordinated Research Project on Post Harvest Engineering and Technology. The Patent Office, Intellectual Property India, Government of India granted a patent on Retail Chicken Slaughter Unit (Patent No. 420269) for 20 years on dated 02/02/2023 to MAFSU for this research work.



Front view Back view
Chicken Slaughter Unit

This research was conducted at Department of Veterinary Public Health, Mumbai Veterinary College, Parel, Mumbai.

Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri, Maharashtra

A patent (Patent No. 390645) was granted to MPKV, Rahuri for an invention entitled –A Process for Preparation of Cookies– on 28.02.2022.

Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur, Rajasthan

- A Method for Preparation of Control Release Urea Nano formulation for Plant., Application No. 202111041146, Patent No. 394320, Date of Grant 06.04.2022.
- A composition of mix proportion of self-compacting precast floor tiles utilizing sugarcane baggase ash., Application No. 202111005383, Patent No. 394405, Date of Grant 07.04.2022.
- Method of preparation of conplas paver block utilizing waste polythene bags. Application No. 202011002264, Certificate No. 396218, Date of Grant 05.05.2022.
- Vacuum Pyrolyzer Machine. Design No. 339238-001, Date 17.02.021, Certificate No. 339238-001, Date of Grant 11.01.2023.
- Design Patent entitled– Microfiber-Trapping Filter Device for Washing Machine. Certificate No. 369077-001, Date of Grant 22.03. 2023.
- Design Patent entitled –Sustainable Biochar Kiln for Production of Biochar from Agricultural Crop Waste Management. Certificate No. 378288-001, Date of Grant 20.03.2023.

Navsari Agricultural University (NAU), Navsari, Gujarat

The Navsari Agricultural University, Navsari, was bestowed with certificate of registration of design *vide* No. 366004-01 Dated: 13/06/2022 to Fruit Fly Trap developed by Dr Z. P. Patel, Vice Chancellor, NAU, Navsari from Controller General of Patents, Designs and Trademarks, the Patent Office, Government of India on 20/03/2023.

Punjab Agricultural University (PAU), Ludhiana, Punjab

- Indian Patent (No. 399015) was obtained on –Method for water testing and water testing kit– on June 13, 2022 by the Department of Microbiology, PAU.
- A patent (Patent No. 397361) for –heel pushed dual foot operated sugarcane bud chipping apparatus– is granted to the PAU for its Novel Bud Chipping Technology for Sugarcane, Bamboo. This novel apparatus complements Bud Chip Technology for sugarcane propagation under direct planting and nursery raising methods, potentially reducing the sugarcane seed rate requirement by 98 per cent.
- Flour composition of gluten free food grain. Patent No: 421209, Date of grant: 10/02/2023.
- Molasses based microbial fertilizer and method thereof. Patent No: 423627, Date of grant: 01/03/2023.
- Improved water and nutrient perforation and re-circulation system for pot based substrate hydroponics. Patent No. 410204, Date of grant 28/10/2022.

Prof. Jayashankar Telangana State Agricultural University (JTSAU), Hyderabad, Telangana

Geographical Indication (GI) Certificate to Tandur Redgram

Presentation of GI Certificate to the primary applicants (YFPCL) and felicitation to the individuals helped in obtaining GI Tag to Tandur Redgram was organized at Agricultural Research Station, Tandur on 31 January 2023 in the presence of Ministers for Agriculture and Education, other people representatives, Vice Chancellor, University Officers and Scientists of ARS, Tandur.



Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K), Srinagar, Jammu & Kashmir

- Patent No. 409028 on a method to prepare a growth medium for mass production of Trichoderma bio fungicide under liquid fermentation, was granted to SKUAST-Kashmir on 13 October 2022.

Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu

- TNAU (Department of Nanotechnology), Coimbatore got patent in Cyclodextrin based smart delivery system for hexanal to extend the shelf life of mango (Patent No. 392783) on 24.03.2022.
- TNAU (Department Plant Breeding and Genetics) got patent in Relative Water Position Method for Early Identification of Drought Resistance in Rice Cultivars (Patent No. 404441) on 24.08.2022.

University of Agricultural Sciences (UAS), Bengaluru, Karnataka

- A process for the preparation of Tomato (*Solanum Lycopersicum*) bread and thereof. Indian Patent Number 396430, Date of Grant 09.05.2022.

Bakery bread will be out of junk food category when tomato is added as base in bread. It is good for health - Natural enrichment of active dietary fiber, lycopene.

- Sub-baric Storage System: Indian Patent Number 401836, Date of Grant 22.07.2022.

Storage of cereals, pulses and oil seeds for extension of shelf-life of food grains by removing air from inside and sealing.

- Rapid and accurate point-of-care lamp colorimetric based diagnostic dipstick: Indian Patent Number 401825, Date of Grant 22.07.2022. User-friendly dipstick based visual interpretation method helps in detecting the plant pathogens using LAMP technology. This visualization process can be used in both medical and agricultural fields.

University of Agricultural Sciences (UAS), Raichur, Karnataka

Chitosan Graphene Oxide Coated Sand (CGOCS) Filter Bed for the Removal of Phosphate from waste water and a Method Thereof: Patent No. 426027, dated 21/03/2023. Process technology for CGOCS filter bed was developed and it was found that, 0.2 M is optimized GO concentration for coating. Surface morphology and elemental compositions of CGOCS resulted in significantly rough surface and larger cracks. Carbon particulate matter of 58.68% was found on the surface. High intense X-ray (XRD) peaks were merged and matched exactly at 2-theta angle of 27.01°, and it was confirmed that GO is presented on the activated sand surface. Main thermal loss takes place from 363.69 to 632.11 °C and it is ascribed due to the decomposition of oxygen containing functional group.

VICE CHANCELLORS

Relinquishments

Sr. No.	Name	University	Date of Retirement/ Term Completion
1.	Dr A.S. Dhawan	VNMKV, Parbani	31.05.2022
2.	Dr R.C. Srivastava	Dr RPCAU, Pusa	21.06.2022
3.	Dr M.B. Chetti	UAS, Dharwad	30.06.2022
4.	Dr Arvind Kumar	RLBCAU, Jhansi	03.07.2022
5.	Dr V. Praveen Rao	PJTSAU, Hyderabad	23.07.2022
6.	Dr D.C. Joshi	AU, Kota	21.08.2022
7.	Dr R.P. Singh	SKRAU, Bikaner	22.08.2022
8.	Dr Narendra Singh Rathore	MPUAT, Udaipur	23.08.2022
9.	Dr R.K. Mittal	SVPUAT, Meerut	06.09.2022
10.	Dr S. Rajendra Prasad	UAS, Bengaluru	16.09.2022
11.	Dr V.M. Bhale	Dr PDKV, Akola	22.09.2022
12.	Dr Jeet Singh Sandhu	SKNAU, Jobner	27.09.2022
13.	Dr R. Chandra Babu	KAU, Thrissur	07.10.2022
14.	Dr K.N. Kattimani	UAS, Raichur	16.10.2022
15.	Dr S.K. Rao	RVSKVV, Gwalior	16.11.2022
16.	Dr Pradeep Kumar Bisen	JNKVV, Jabalpur	22.11.2022
17.	Dr Samar Singh	MHU, Karnal	09.12.2022
18.	Dr J.P. Sharma	SKUAST, Jammu	14.01.2023
19.	Dr A.M. Paturkar	MAFSU, Nagpur	21.01.2023
20.	Dr B.S. Mahapatra	BCKV, Mohanpur	03.03.2023

Appointments

Sr. No.	Name	University	Appointment date
1.	Dr A.K. Srivastava	DUVASU, Mathura	04.05.2022
2.	Dr Rajeshwar Singh Chandel	Dr YSPUHF, Nauni	09.05.2022
3.	Dr. K.C. Veeranna	KVAFSU, Bidar	12.07.2022
4.	Dr R.C. Jagadeesha	UAHS, Shivamogga	13.07.2022
5.	Dr I.M. Mishra	VNMKV, Parbani	25.07.2022
6.	Dr V.P. Chovatia	JAU, Junagadh	11.08.2022
7.	Dr Satbir Singh Gosal	PAU, Ludhiana	19.08.2022
8.	Dr M.S. Chauhan	GBPUAT, Pantnagar	29.08.2022
9.	Dr Pravat Kumar Roul	OUAT, Bhubaneswar	09.09.2022
10.	Dr Sharad R. Gadakh	Dr PDKV, Akola	20.09.2022
11.	Dr K.K. Singh	SVPUAT, Meerut	26.09.2022
12.	Dr P.S. Pandey	Dr RPCAU, Pusa	26.09.2022
13.	Dr A.K. Singh	RLBCAU, Jhansi	03.10.2022
14.	Dr Abhay Kumar Vyas	AU, Kota	12.10.2022
15.	Dr Balraj Singh	SKNAU, Jobner	15.10.2022

Sr. No.	Name	University	Appointment date
16.	Dr Ajeet Kumar Karnatak	MPUAT, Udaipur	15.10.2022
17.	Dr P.L. Patil	UAS, Dharwad	28.10.2022
18.	Dr S.V. Suresha	UAS, Bengaluru	28.10.2022
19.	Dr M. Hanumanthappa	UAS, Raichur	31.10.2022
20.	Dr Arvind Kumar Shukla	RVSKVV, Gwalior	17.11.2022
21.	Dr P.K. Mishra	JNKVV, Jabalpur	23.11.2022
22.	Dr Arun Kumar	SKRAU, Bikaner	05.12.2022
23.	Dr Dheer Singh	NDRI, Karnal	09.12.2022
24.	Dr Parvinder Kaushal	VCSGUUHF, Bharsar	16.12.2022
25.	Dr Duniya Ram Singh	BAU, Sabour	16.01.2023

PUBLICATIONS

1. Annual Report 2021-22
2. Newsletter: Four Volumes – Vol. 22 No.1, Vol. 22 No. 2, Vol. 22 No. 3, Vol. 22 No. 4
3. Proceedings of 9th Regional Meeting “NEP-2020: Importance and Feasibility of Short Term and Certified Courses in Agricultural Universities” held at NAU, Navsari on 23-25 November 2022.
4. Proceedings of 14th National Symposium “Creating Enabling Ecosystem in Agricultural Universities for Agri Tech Innovations” held at PJTSAU, Hyderabad on 9-10 June 2022.
5. Proceedings of 46th Vice Chancellors Convention “National Education Policy 2020: Implementation in Agricultural Universities” held at DUVASU, Mathura on 26-27 December 2022.

PROGRAMME FOR 2023-2024

1. 11th Brainstorming Session on Innovations in Sustainable Natural Resources Management, held at RLBCAU, Jhansi on 7-8 April 2023.
2. 12th Brainstorming Session on Redefining Agricultural Education to Leadership, Entrepreneurship, Employment and Discovery, at SKUAST-(K), Srinagar on 24-25 August 2023.
3. 15th National Symposium on Millets for Climate Smart Sustainable Agriculture and Sound Human Health, at UAS, Dharwad on 26-27 October 2023.
4. 47th Vice Chancellors’ Convention on Food & Nutritional Security and Farmers’ Welfare: Vision India 2047 and Beyond, at GADVASU, Ludhiana in December 2023.

ACKNOWLEDGEMENT

The Association thanks the outgoing Executive Committee for commendable contribution to the IAUA. The Association place on record its gratitude to all Vice Chancellors of member universities for guidance, support and advice. The Association is also grateful to Dr R.K. Mittal, former Vice Chancellor, SVPUAT, Meerut, the former president, IAUA and each member of Executive Committee for carrying out the mandate of the Association to its new heights for greater visibility through various activities despite their busy schedules and participation in various meetings/conference of ICAR. The financial and logistics support of the DARE and ICAR is gratefully acknowledged.



(Dr Rameshwar Singh)
President, IAUA & VC, BASU, Patna

FINANCE, BUDGET AND AUDIT REPORT

The main source of revenue of the Association is the subscription from member universities. In addition, the ICAR also provided a assistance of Rs 20 Lakhs for organizing national-level events like Annual Convention, National Symposium and Brainstorming Session.

The audited Statement of Accounts for the year 2022-23 is given in **Auditor's Report**. It shows that the **total income** of the Association is **Rs. 1,31,99754** (i.e., **Rs. 73,00000** as membership subscription, **Rs. 38,85,754** as interest on FD and saving from the bank), **Rs. 20,00,000** as contribution from ICAR and scrap sale **Rs.14,000**; **total expenditure is Rs. 64,13,166** at the close of the financial year 2022-23; the Association has **fixed deposits of Rs. 5,69,08,752** (Rupees Five Crore Sixty-Nine Lakhs Eight Thousand Seven Hundred Fifty-Two only).

AUDITOR'S REPORT

We have audited the attached Balance Sheet of **INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION, PUSA CAMPUS, NEW DELHI** as at 31st March, 2023 together with income & Expenditure Account and Receipts & Payment Accounts for the year ended as on date. We certify that the said accounts are true and correct in terms of the books of account produced before us and explanations given during the year.

For M/s Bhasin Raghavan & Co.
Chartered Accountants
Firm's Regn. No. 000197N



(Vikram Singh)
Partner



Membership No.093458
UDIN- 23093458BGWAJH4183

Place: New Delhi
Dated: 21.09.2023


INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION


BALANCE SHEET AS AT 31ST MARCH 2023

LIABILITIES	AMOUNT	ASSETS	AMOUNT
<u>Capital Fund:</u>		Fixed assets-As per Annexure	4924428
Opening balance	71751259	<u>Cash & Bank balances</u>	
Add: surplus for the year as per		Canara Bank a/c-33643	4729279
Income and Expenditure Account	<u>6786588</u>	Canara Bank a/c-55638	410685
<u>Current liabilities</u>		(Imprest Executive Secretary a/c)	
Audit fees payable	14160	Cash in hand	2405
Expenses Payable	200000	Fixed deposit	56908752
		Int accrued on FDR'S	7624375
		Advance for 11th Brain Storming Session	600000
		Advance for 12th Brain Storming Session	600000
		Advance for 15th National Symposium	600000
		Membership fees due from Two Universities	200000
		<u>Others</u>	
		TDS	2141012
		TCS	11071

78752007

78752007


21.9.23
DR. RAMESHWAR SINGH
(PRESIDENT)


11.9.23
PROF. (DR) M R SASEENDRANATH
(TREASURER)


04/09/2023
DR. DINESH KUMAR
(EXECUTIVE SECRETARY)

Auditor's Report:

As per our separate report of even date annexed to the Balance Sheet Bhasin Raghavan & Co
Chartered Accountants

FRN 000197N
[Vikram Singh]
Partner
M. No. 093458



Place: New Delhi

Dated: 21-09-2023

UDIN: 23093458 B4W1 J44183

INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2023

<u>PARTICULARS</u>	<u>AMOUNT</u> <u>31.03.2023</u>	<u>PARTICULARS</u>	<u>AMOUNT</u> <u>31.03.2023</u>
Salary	2122124	Membership fees & Subscription	7300000
Conveyance	104059	Bank interest	227429
Postage, telephone & internet	44612	Interest on FD	3658325
Printing & Publication	207679	Grant from ICAR	2000000
Stationery	17751	Scrap sale	14000
Office maintenance	682088		
Computer & Printer Maintenance	56168		
Electricity Charges	151146		
Bank Charges-General	5658		
Newsletter editing	11150		
Vehicle running & maintenance	39580		
Meeting expenses (ECM)	1534		
Audit fee	14160		
Website expenses	88974		
Car insurance and Services	44215		
46th Vice Chancellor Convention	1000000		
Income tax expense	212940		
9th regional meeting	600000		
14th national symposium meeting	600000		
Annual vice chancellor-conference	70000		
Depreciation	339328		
Excess of income over expenditure	6786588		
	<u>13199754</u>		<u>13199754</u>

Rameshwar Singh
21.9.23

DR. RAMESHWAR SINGH
(PRESIDENT)

M R Saseendranath
11.5.23

PROF. (DR) M R SASEENDRANATH
(TREASURER)

Dinesh Kumar
04/09/2023

DR. DINESH KUMAR
(EXECUTIVE SECRETARY)

Auditor's Report:

As per our separate report of even date annexed to the Balance Sheet.

Bhasin Raghavan & Co
Chartered Accountants

FRN 000197N

[Vikram Singh]

Partner

M. No. 093458



Place: New Delhi

Dated: 21-09-2023

UDIN: 23093458 BQWAZ H4183

INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

RECEIPTS & PAYMENT ACCOUNT FOR THE YEAR ENDED 31.03.2023

<u>PARTICULARS</u>	<u>AMOUNT</u>	<u>PARTICULARS</u>	<u>AMOUNT</u>
Opening Balance:		Salary	2122124
Cash in hand	11351	Conveyance	104059
Cash at Bank	2925732	Postage, telephone & internet	44612
Bank A/c (Executive Secretary)	2327537	Printing & Publication	207679
Fixed Deposit	51886727	Stationery	17751
	57151347	Office maintenance	682088
Members subscription Received	7100000	Computer & Printer Maintenance	56168
Bank interest	227429	Electricity Charges	151146
Grant from ICAR	2000000	Bank Charges-General	5658
Scrap sale	14000	Newsletter editing	11150
Interest on FDR	2522025	Meeting Expenses (ECM)	1534
Refund of 9th Regional Meeting	600000	Audit fees paid	28320
		Website Expenses	88974
		Car insurance and Service	44215
		Vehicle running & Maintenance	39580
		46th Vice Chancellor Convention	800000
		Income tax expense	212940
		9th Regional Meeting expense	600000
		Annual Vice Chancellor-Conference	70000
		Advance for 15th National Symposium	600000
		Advance for 12th Brain Storming Session	600000
		Purchase of Fixed asset	1075682
		Total	7563680
		Closing balance:	
		Cash in hand	2405
		Cash at bank	4729279
		Bank A/c (Executive Secretary)	410685
		Fixed deposit	56908752
			62051121
	<u>69614801</u>		<u>69614801</u>

Kan
21.9.23
DR. RAMESHWAR SINGH
(PRESIDENT)

[Signature]
11.9.23
PROF. (DR) M R SASEENDRANATH
(TREASURER)

[Signature]
04/09/2023
DR. DINESH KUMAR
(EXECUTIVE SECRETARY)

Auditor's Report:

As per our separate report of even date annexed to the Balance Sheet.

Place: New Delhi

Dated: 21-09-2023

Bhasin Raghavan & Co
Chartered Accountants

FRN 000197N

[Vikram Singh]

Partner

M. No. 093458



UDIN: 23093458BQWAS114183

NOTES



NOTES





INDIAN AGRICULTURAL UNIVERSITIES ASSOCIATION

G-5, Office Block-A, NASC Complex
Dev Prakash Shastri Marg
Pusa Campus, New Delhi - 110012
Telephone: 011-21520075
Website: www.iauaindia.org