

THIRD CIRCULAR

8th National Youth Convention

on

“New Perspectives for Sustainable Agriculture & Livelihood Security”

(NYC-NPSALS)

August 22-23, 2024

at

**Institute of Agricultural Sciences, Banaras Hindu University (BHU)
Varanasi, Uttar Pradesh**



Jointly Organized By



Supported By



Preface

Indian agriculture is facing several challenges for producing more food to feed growing population. Improving agricultural production while conserving and enhancing natural resources is another problem in Indian agriculture. The solution lies in changing scenario is sustain ability in agriculture production. In India, rural economy suffers from poverty, employment, malnutrition, limited diversification, of farming and degradation of natural resources such as water, land, and forest. Livelihood diversification is essential for poverty reduction, food security, rural livelihood security and improved income for rural farming community. Sustainable agriculture cannot be considered in isolation from sustainable rural livelihoods in India, where agriculture provides most of the family income. Sustainable rural livelihood is a multi-dimensional concept that refers to the long-term maintenance or improvement of rural families' access to food and income-generating activities. It entails securing control of, or access to, resources, assets, and income-generating activities to mitigate risks, mitigate shocks, and prepare for contingencies. In India, where the average farm size is small and poverty and food insecurity remain prevalent among small landholders, the concept of sustainable agriculture should be viewed in the context of the need to improve agricultural productivity, production, and profitability, as well as to improve the economic conditions of small landholders. Innovative digital technologies can also enable precise use of resources, including water, protecting, and enhancing the natural resource base while increasing productivity. The main objective of conducting this conference is to evaluate the past research efforts in management of natural resources for sustainable development and rural livelihood, to streamline future scientific efforts in support of sustainable agriculture and livelihood security, to draw the recommendations for capacity building and creating development opportunities for farming communities in land, forests, water and digitization of agriculture.

About Institute of Agricultural Sciences, BHU

Institute of Agricultural Sciences, Banaras Hindu University has completed its glorious journey of 86 years having significant contributions in making hunger free India. Realizing the importance of agricultural and allied sectors in Indian economy, founder of Banaras Hindu University Bharat Ratna Pt. Madan Mohan Malviya Ji established an Institute of Agriculture Research in 1931. Since then, agricultural research and education became the integral part of BHU. The institute assumed different names and finally in 1981 got elevated to the status of Institute of Agricultural Sciences aiming at integration of teaching, research, extension and development in the field of Agriculture. Prior to formal establishment of Institute of Agricultural Research in 1931 at BHU, the importance of agriculture was emphasized by our founder Bharat Ratna Pt Malaviya Ji through Dharma Vidya Vigyan. Infact agriculture is treated as worship to God starting from Bhoomi Pujan to celebration of Harvest in many forms like Basant Panchami, Baisakhi etc. The foundation day of BHU, which is celebrated on Basant Panchami also has direct link with the blooming of our crops during spring season. The institute continued to discharge its mandated responsibilities of developing human resources, generating farm worthy & eco-friendly technologies and dissemination of technology to sustain and enhance agricultural growth.

About AIASA

AIASA is an organization represented by professionals of present-day and ex-students of Agriculture, Veterinary Science, Dairy, Horticulture, Fisheries, Forestry, Home Science, Sericulture, ABM and other allied sectors. AIASA is a registered society registered under Societies Registration Act 1860. This Association was formally launched on 10th May 2011 by the then Hon'ble Union Minister of State for Agriculture and Farmer's Welfare. It is established with a mission of strengthening the voice of passionate agro professionals, veterinarians, at State, National, and international level. AIASA envisages a common platform for Agriculturists/technocrats and Bureaucrats to work together, towards the development of agriculture. It endorses "Right person at Right place" mode, to promote improved application of science. AIASA empowers and motivates the youth to view agriculture as an

equivalent career opportunity and thereby promoting knowledge transfer & agripreneurship in the country with the help of self-driven and directed agrarian policy to the work force.

About NYC

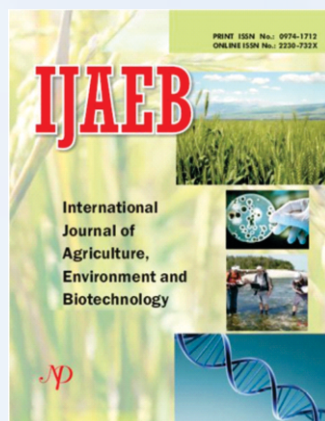
8th National Youth Convention will be held at Institute of Agricultural Sciences, Banaras Hindu University, Varanasi during August 22-23, 2024. This convention revolves around the theme “New Perspectives for Sustainable Agriculture and Livelihood Security” plans to bring youth in the forefront, scientists, academicians, farmers, industry representatives, planners, and law makers together for generating and sharing ideas. Two-day conference consists of a plenary session, concurrent thematic sessions, Poster and oral presentation sessions and a valedictory session.

Themes

- Session I : Digital Technologies for improving production system and livelihood Security and price volatility in globalized food markets
- Session II : Sustainable Livestock Production for Livelihood Improvement
- Session III : Hi-tech Horticulture and value addition
- Session IV : Climate Resilient Agriculture
- Session V : Livelihood, Pollution and Natural Resources Management
- Session VI : Technological Intervention for ensuring fisheries production
- Session VII : Initiatives for engaging youth in agriculture: Student, institute and government perspective

Conference Publication:

1. Abstract will be published in Souvenir Book.
 2. Full Paper will be published in
- A. Souvenir Book
- B. International Journal of Agriculture, Environment & Biotechnology (NAAS Score 2024: 4.92): Free of cost and hard copy will be on payment basis.
- C. International Journal of Agricultural Invention (NAAS Score 2024: 4.56): Rs 2000 on after acceptance of paper
- Link for submission of abstract/paper:
<https://forms.gle/dEhy7pxreQoB7c1e9>



Note: Deadline for submission of abstract/Paper is 30.07.2024

Registration link: <https://forms.gle/dEhy7pxreQoB7c1e9>

Best Presentation Awards

'Best Presentation Award' will be conferred to the author(s) of an abstract presented in the conference. Award winners will be announced in valedictory function of the conference. The awardees will receive Best Paper Award / Best Presentation Award certificates and will be allowed to publish one article in AIASA Magazine “Agri Mirror: Future India” free of cost.

Who can Attend?

Designed for young researchers motivating rural youth towards agriculture, farmers, rural youth, UG, PG & Ph.D. scholars, Research Fellows, Post-Doctoral Fellows, Research Associates and Teaching Assistants, Faculty Members, Scientists, Industry Representatives, Employers, Policy Strategists and Law Makers are invited to attend.

Technical Sessions

- Expert Lectures from Keynote speakers
- Technical Sessions for Oral and Poster Presentation

- Plenary and Concluding Sessions.

Awards

- Best Poster and oral Presentations in each theme
In addition, AIASA National Award 2022 and 2023 will also be conferred during 8th NYC. Detailed guideline will be issued separately. The awards will be as follows:
1. AIASA National Award for Outstanding Leadership in Agriculture 2022 & 2023 - 2 Award
 2. Lifetime Achievement Award - 2022 & 2023- 2 Award
 3. Best Vice-Chancellor Award 2022 and 2023- 2 Award
 4. Dr. M.S. Swaminathan Award for Outstanding Master Research in Agricultural and Allied Sciences - 4 Awards
 5. Dr. M.S. Swaminathan Award for Outstanding Doctoral Research in Agricultural and Allied Sciences - 4 Awards
 6. Harit Ratna Awards 2022 & 2023 – 8 Awards
 7. Krishi Jeevan Jyoti Award 2022 & 2023 – 2 Awards
 8. Pragati Puraskar 2022 & 2023 – 2 Award
 9. Student of the year Award 2022 & 2023-14 Awards (Zone wise)
 10. AIASA Gold Medal 2022 & 2023-14 Awards (Zone wise)
 11. Best Teacher Award 2022 & 2023- 2 Award
 12. Young Scientist Award 2022 & 2023- 8 Awards
 13. Harit Kranti Award 2022 & 2023 - 4 Awards
 14. Harit Puraskar Award 2022 & 2023 - 10 Awards
 15. Institution of Excellence Award 2022 & 2023- 8 Awards
 16. AAWAHAN Awards-7 Awards (Zone Wise)

For detailed Notification:

<https://aiasa.org.in/wp-content/uploads/2024/06/AIASA-Awards.pdf>

About the venue and how to reach?

Venue: Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221005 (Uttar Pradesh) India. The Lal Bahadur Shastri International Airport Varanasi (VNE), Varanasi Junction railway station, Banaras railway station, and Deen Dayal railway station Varanasi are respectively 32Km, 9Km, 7Km and 20Km from the venue.

Accommodation

Accommodation will be provided to the participants on the first come first serve basis in the guest houses of Institute/University; further, preferential accommodation could be given to students / research fellows in university training hostels/guest houses subjected to availability of rooms.

Registration Fees :

Category	AIASA Members		NON-AIASA Members	
	Online / Physical	Online / Physical	Online / Physical	Online / Physical
UG students/Youth farmers	400/-	700/-	600/-	1000/-
PG/Ph.D. Research Scholars/equivalents	550/-	950/-	750/-	1250/-
Scientists/Faculty/Professionals	900/-	1500/-	1200/-	2000/-

AIASA membership link: https://aiasa.org.in/aiasa_registration/index.php/

Registration link: <https://forms.gle/dEhy7pxreQoB7c1e9>

Deadline for submission of abstract/Invited paper : 30.07.2024.

Acceptance of Abstract : 05.08.2024

For any query: Please mail to 8nyc2024@gmail.com

Registration and Payment of fees:

Registration fee may be paid through online transaction in favour of All India Agricultural Students Association payable at New Delhi using following link:

UPI ID: 8505908080@sbi

or

Account Name :

All India Agricultural Students Association

Account No.: **31613400708**

IFSC Code: **SBIN0005389**

Bank: **State Bank of India**

Branch: **NSC Beej Bhawan,**

PUSA Complex, New Delhi-110012

or pay after scan **QR code** →



Note: Hon'ble VCs/ICAR HQ Senior Officers/Keynote Speakers/ Session Chairman/Co-Chairman/Invited speakers/Representatives of sponsoring agency(s)/any other expert as may be decided by Organizing Committee, are exempted for registration fee.

Registration fees cover

- * Registration kit
- * Access to all presentations
- * e-Abstract/e-Souvenir
- * Certificate for participation and presentation
- * Food during the conference

Organizing Committee:

Chief Patron:

Dr. Himanshu Pathak, Secretary DARE, Director General, ICAR

Advisory Committee:

Dr. R. B. Singh, Padma Bhushan, Ex-Chancellor, CAU, Imphal

Dr. U. S. Gautam, DDG (Extension), ICAR, New Delhi

Dr. R.C. Agrawal, DDG (Education), ICAR, New Delhi

Dr. S.K. Chaudhari, DDG (Natural Resource Management), Indian Council of Agricultural Research

Dr. J. K. Jena, Deputy Director General (Fisheries Science), Indian Council of Agricultural Research

Dr. Rajarshi Roy Burman, ADG (Agricultural Extension), Indian Council of Agricultural Research

Dr. V. B. Patel, ADG (Fruits & Plantation Crops), Indian Council of Agricultural Research

Dr. M. S. Chauhan, Vice-Chancellor, G. B. Pant University of Agriculture and Technology, Pantnagar

Dr. Parvinder Kaushal, Vice Chancellor, Veer Chand Singh Garhwali Uttarakhand University of Horticulture & Forestry, Bharsar

Dr. K. C. Veeranna, Vice Chancellor, Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar-585226, Karnataka

Dr. N. Felix, Vice - Chancellor Tamil Nadu Dr. J. Jayalalitha Fisheries University

Dr. D. R. Singh, Vice - Chancellor, Bihar Agricultural University, Sabour

Dr. Arun Kumar, Vice Chancellor, Swami Keshwanand Rajasthan Agricultural University, Bikaner

Dr. K. K. Singh, Vice Chancellor, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut

Dr. S.V. Suresha, Vice-Chancellor, University of Agricultural Sciences, Bangalore
Dr. T. Janakiram, Vice-Chancellor, Dr.YSR Horticultural University Andhra Pradesh
Prof (Dr.) S.P. Tiwari, Vice Chancellor, Nanaji Deshmukh Veterinary Science University
Prof Pravat Kumar Roul, Vice Chancellor, Odisha University of Agriculture and Technology,
Bhubaneshwar

Dr. S. P. Tiwari, Vice-Chancellor, Nanaji Deshmukh Veterinary Science University, Jabalpur
Dr. M. K. Verma, Director, ICAR-CITH, Srinagar
Dr. Kaushik Banerjee, Director, ICAR-ICAR-National Research Centre For Grapes, Pune
Dr. Ramesh Mittal, Director, CCS National Institute Of Agricultural Marketing (NIAM), Jaipur
Dr. R. P. Singh, Advisor, AARDO, Former Exe. Sec-IAUA
Dr. R. K. Sohane, Director (Extension), Bihar Agricultural University, Sabour
Dr. M. K. Verma, Director, ICAR-CITH, Srinagar
Dr. Vijay Kumar Yadav, Director (Seed & Farm), CSAUAT-Kanpur & Chairman, NAEC
Dr. Raja Ram Tripathi, Chairman, Kisan Kalyan Munch
Dr. Pankaj, Head, Division of Nematology, ICAR-IARI, New Delhi
Dr Mahesh C Yadav, Principal Scientist, ICAR-NBPGR, New Delhi
Mr. Mohammed Ihzan M.P., Ph.D. Scholar, ICAR-CIFE & Chairman, Fisheries Chapter, AIASA

Chairperson:

Prof. (Dr.) S. V. S. Raju, Director, Institute of Agricultural Sciences, BHU

Co-Chairperson:

Mr. Vislavath Ramvilas Paswan, National President, AIASA, New Delhi
Dr. U. P. Singh, Dean, Institute of Agricultural Sciences, BHU

National Organizing Secretary

Dr. Ashish Khandelwal, Scientist, Division of Environment Sciences, ICAR-IARI, New Delhi &
National Secretary (General Coordination) New Delhi-110012, Mob: 8287888749
Email: ashish.iasbhu@gmail.com/8nyc2024@gmail.com

Co-Organizing Secretary

Dr. Amitava Rakshit, Associate Professor, Department of Soil Science & Agricultural Chemistry,
Institute of Agricultural Science, Banaras Hindu University, Varanasi-221005,
Mob: 9454689940, Email: amitavabhu@gmail.com

Dr. Vivek Saurabh

Assistant Professor (PHT), BAU, Sabour & Chairman, National Agri-Business Innovation, and Incubation Cell
Mob: 9721397778, Email: vivek.bhu12@gmail.com

Local Organizing Secretary

Dr. V. K. Tripathi, Assistant Professor, Department of Agricultural Engineering, Institute of Agricultural
Science, BHU, Varanasi, Email ID: vktripathi@bhu.ac.in Mob: 8987661439

Joint Organizing Secretaries

Mr. Hrithik Ranjan Singh, State President, AIASA UP, School of Agriculture, Galgotias University, Greater Noida,
Mob: 9006402202, Email: hrithik304@gmail.com

Mr. Brijesh Kumar Yadav Senior Vice President, AIASA & Ph.D. Scholar, ICAR-Indian Agricultural Research
Institute, New Delhi-110 012 Mob: 9120336698, Email: bkybhu98@gmail.com

Mr. Ninaad Mahajan, National General Secretary, AIASA Mob: 9622275125,
Email ID: generalsecretary@aiasa.org.in

Dr. R. Vinoth, Teaching Assistant (PBG), Institute of Agriculture, AEC&RI Tamil Nadu Agricultural University,
Kumalur- 621 712, Trichy, Tamil Nadu, India, Email id: rvinothagri@gmail.com; vinoth.breeder@gmail.com
Phone no: 09042113672,

Convener(s) Convener (General Coordination) :

Dr. Sahadeva Singh, Chief Policy Advisor, AIASA, New Delhi & Dean, School of Agriculture, Galgotias
University, Greater Noida, Mob: 9999641545 Email: Sahadeva.singh@gmail.com

Convener (KVKs) :

Dr. Balveer Singh Khadda, Deputy Director, ICAR-KVK, Mohali (Punjab), Mob. 8630779770, Email.
khadda74@gmail.com

Conveners (Faculty):

Dr. Sunil Meena, Assistant Professor, Department of Dairy Science and food Technology, Institute of

Agricultural Sciences, Banaras Hindu University, Varanasi-221005 (UP),

Mob: 8806866056, Email: sunilmeena@bhu.ac.in

Dr. Sandeep Kumar, Assistant Professor, OUAT, Bhubaneswar, Orissa

Dr. Ashirbachan Mahapatra, Assistant Professor, CUTM, R. Sitapur, Odisha

Dr. Kamalkant Yadav, Assistant Professor, School of Agriculture, GU, Greater Noida, Uttar Pradesh

Convener (Technical):

Mr. Vimal Kumar Sharma, Ph.D. Scholar (Agronomy) & Chief Coordinator, AIASA, Email: vimal17u@gmail.com

Mob : 7728882667,

Conveners (Scientists):

Mr. Sudhir Kumar Jha Scientist, IIPR, Kanpur & Senior Advisor, AIASA Mob. : 8447170220

Dr. Ajay Kumar Verma Scientist, ICAR-Central Institute, of Arid Horti-culture Bikaner, Rajasthan), Mob: 9462122912

Dr. Sajad Un Nabi, Scientist, ICAR-CITH, Srinagar, Mob: 7006487704

Conveners (Students):

Mr. Mehtab Singh Charan, PG Student, D.S.F.T., Institute of Agricultural Sciences, BHU, Varanasi (UP) & University President, AIASA BHU, Email: mehtabsingh14597@gmail.com Mob: 7987398818

Mr. Pradosh Kumar Parida PhD Scholar (Agronomy), Tamil Nadu Agricultural University-Coimbatore, Mob: 9337266931, 9078927896, Email: pradoshparida4@gmail.com

Mr. Hem Prakash Verma Ph.D. Research Scholar, Department of Agricultural Extension, Room No. 218, Sundaram Boys Hostel, College of Agriculture, Raipur (IGKV), Pin-492012

Mob-9340033529, Email- hemverma1996@gmail.com

Dr. D. Balu, Chairman Post Doctorate Fellow, Annamalai University & National Agro-Technocrat Cell (NATC), AIASA

Convener (Finance):

Ms. Vathsala V. Ph.D. Scholar, ICAR-IARI, PUSA, New Delhi- 110012, Mob: 9663506102, Email: vathsalavvasu200@gmail.com

Conveners (Industries)

Mr. Ankit Soni, Corporate Sales Manager, Jubilant Life Sciences Ltd :

Mr. Debtanu, Director, Aqua Doctor Solutions, Kolkatta

Conveners (Farmer)

Shri. J. P. Singh Secretary, FARMER

Shri. Neeraj Rai Innovative Farmer, UP, Mob: 9810430169

Conveners (Overseas)

Dr. Laljeet S. Sangha Chairperson (ICC), AIASA (2024) & Chairman, Global Agri-Students Club

Dr. Karansher Singh Sandhu Chairperson, ICC, AIASA(2023)

Co-Convener(s)

Dr. Tapas Paul, Chairman, NEB & Assistant Professor, BASU

Dr. Pratik Chavelikar, Chairman, National Anti-Corruption Cell (NACC), AIASA

Mr Desai Jigarkumar Shyamabhai, State Advisor, AIASA Gujarat

Mr. Maruthi Prasad B.P., Chief PRO, AIASA

Ms. Munmun Joshi, Deputy Chairperson, NEB, AIASA

Dr. K. Sriram, Vice President (South Zone), AIASA

Mr. Megha Mousum Sahoo, Joint Secretary (EZ), AIASA

Mr. Vishwakarma Kumar, State President, Bihar

Mr. Mriganka Barman, State President, Assam

Mr. Ajay Kumar Patel, State President, Chhattisgarh

Mr. Anand Nagaraj R., Joint Secretary, (South Zone)

Mr. Dinesh, Joint Secretary, (WZ)

Mr. Vala Yashraj Batukbhai, State President (Gujarat)

Mr. Aseem Khan, State President (Himachal Pradesh)

Mr. Premkumara, State President (Karnataka)

Mr. Bonthala Madhukar, State President, AIASA Telangana

Tourist Place



Kashi Vishwanath Temple



Ganga Aarti Dashashwamedh,
Assi Ghat



Sarnath Museum



Ramnagar Fort

Chief Patron

Dr. Himanshu Pathak Secretary DARE,
Director General, ICAR

Chairperson:

Prof. (Dr.) S. V. S. Raju, Director,
Institute of Agricultural Sciences, BHU

Co-Chairperson

Mr. Vislavath Ramvilas Paswan,
National President, AIASA, New Delhi

Dr. U. P. Singh, Dean, Institute of
Agricultural Sciences, BHU

National Organizing Secretary

Dr. Ashish Khandelwal, Scientist,
Division of Environment Sciences,
ICAR-IARI, New Delhi & National
Secretary (General Coordination), New
Delhi-110012, Mob: 8287888749,
Email: 8nyc2024@gmail.com

Local Organizing Secretary

Dr. V. K. Tripathi, Assistant Professor,
Department of Agricultural
Engineering, Institute of Agricultural
Science, BHU, Varanasi, Mob: 89876
61439 Email ID: 8nyc2024@gmail.com