

# KRISHI MANTHAN NATIONAL AGRI-BUSINESS SUMMIT – 2018

Farmers, For FPOs/FPCs, Startups, Industry and Academia

(Business Innovation & collaboration Meet)



Date: 21<sup>st</sup> & 22<sup>nd</sup> December 2018

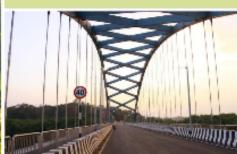
Venue: State Institute of Agriculture Extension & Training,

(SIAET), Bhopal

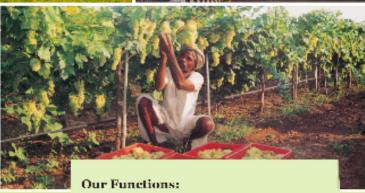


# National Bank for Agriculture and Rural Development









Our Mission: Promotion of sustainable and equitable agriculture and rural prosperity through effective credit support, related services, institution development and other innovative initiatives.

- Research and Development on matter of importance pertaining to agriculture, agricultural operations and rural development including the provision of training and research facilities.
- Consultancy services related to Agriculture & Rural Development through subsidiary (NABCONS).

- Provide Credit/Refinance for production credit and investment credit to eligible banks and financing institutions.
- Development functions undertaken through Farm Sector Promotion Fund (FSPF), Financial Inclusion Fund (FIF), Watershed Development Fund (WDF), Tribal Development Fund (TDF) Rural Infrastructure Development Fund, (RIDF) etc.
- Supervisory functions in respect of Cooperative Banks and Regional Rural Banks.

Head Office Plot C-24, XX Block Bandra Kurla Complex, Bandra (East) Mumbai - 400 051



## **POWERED BY:**



Asian Consortium of Farmers Producer Company Limited

## **Associate Organizations:**



Department of Horticulture and Food Processing, Government of Madhya Pradesh



Department Of Farmer Welfare & agriculture Development, Government of Madhya Pradesh



National Bank for Agriculture and Rural Development

## Organized by:



Integrated Socio-Economic Development Service (A section 25 non-profit company)

## Sponsored by:



ITSC Technologies Private Ltd . Bhopal, Madhya Pradesh

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## 1. ABOUT EVENT:

**Krishi Manthan** "National Agribusiness Summit for FPOs/FPCs and Agri-startups" is an annual event. It was started in 2015 with the vision of "Unveiling the global opportunities, knowledge and technologies for the youth". It is getting organized on continued basis and the fourth season of the Krishi Manthan was successfully organized on  $21^{st} \& 22^{nd}$  December 2018.

Now, It has become a nationally recognized innovation and collaboration platform for all the stakeholders pertaining to Agriculture and Food Processing sectors. This program is organized for commercialization of products, services and activities of Farmers, Farmer Organizations (FPO/FPCs, Cooperatives, Farmer Groups), Agri-startups, Agribusiness Companies, Academia, CSR supporting Agriculture & Food Processing, Financial Institutions working in Agri-business, Exporters, etc. This is a professionally organized and managed Agribusiness Summit designed for ensuring value and knowledge transfer to participants and participating organizations.

For ensuring the business value and knowledge transfer, the participating Agribusiness stakeholders are seamlessly integrated through a professionally designed and managed virtual infrastructure www.fpoasia.com and mobile app "FPOASIA".

We look forward to engaging with all our partners in the near future, to develop the program concept further and work on creating an even better experience in 2019.

- Kind Regards,

The Krishi Manthan Team

## 2. THRUST AREAS OF KRISHI MANTHAN

## I. Innovation in Techniques & Technologies

- Organic/Nutrition sensitive agriculture production
- Agriculture Input
- Equipments & Machineries
- Food Processing
- Extension Services
- Marketing, Branding, Retailing, e-Commerce/e-Marketplace
- Cold Chain, Logistics and Supply Chain

#### II. Digital/Smart Agriculture & Food Processing

- This is the era of mechanization, automation, digital and artificial intelligence and now many innovative solutions based on these modern technologies are also available for agriculture and food processing domain.
- This subject was made part of the summit for transferring the benefits of modern technologies to farmers, farmer organizations and startups.

#### III. Smart Logistics

- Logistics plays a vital role in agribusiness and food processing solutions because feasibility and success of these businesses are mostly dependent on the efficiency of logistics. Now with the evolution of e-commerce, dependency on logistics has increased many folds.
- The evolution of IT, mobile and IOT has enabled to develop logistics solution on anytime, anywhere, any quantity basis.
- Farmers, farmer organizations and startups must have knowledge about such solutions to efficiently incorporate in their businesses to receive benefits of modern technology.

#### IV. Non-Farm Opportunities

• The evolution of technology and adoption of the same by rural youth has generated many non-farm opportunities for rural youth in operation, maintenance, sales of these technological solutions. The change in food habit has also generated many non-farm opportunities for rural youth.

## V. CSR and other Funding Support for Agriculture & Food Processing Interventions

- There are many kinds of financial support available for improving the livelihood conditions of the farmers, increasing their income and bringing prosperity in rural areas. Such supports are available from government schemes, CSR (corporate Social Responsibility) fund, banks and many other developmental funding agencies.
- This program has one of its objectives to bring such funding support providers nearer to the farmers and rural youth for transfer of the benefits of such support to farmers and farmer organizations.

## V. Global Opportunities in Agriculture and Food Processing

- The changed food habits and modern life style have now-a-days generated a global need for customized and nutritious food. But, such food supply to consumers can only be provided through monitored nutrition sensitive production, nutrition preservation based food processing and nutrition sensitive supply chain.
- This subject is included with the objective of making the farmer, farmer organizations and startup aware about the requirement of becoming safe and nutritious food providers.







## 3. PROGRAM COMPONENTS

#### A. Technical Sessions by Innovators, Scientists, Experts and Startups

The aims of the technical sessions are as follows:

- Knowledge about the innovations and new initiatives in agriculture and food processing
- Technology and knowledge transfer
- Knowing the best practices
- Linkage to technology and knowledge providers
- Commercialization of new products and services
- Networking with stakeholders

#### B. Exhibition of Products and Services

The exhibition is included as a key component of this program with following objectives:

- Have a look and feel of the technology, services and solutions
- Demonstration of the working model of the product and services
- One to one meeting and discussions about the price/ business models
- Business collaboration and networking

#### C. Business presentation by Startups, Entrepreneurs and Farmer Organizations

This component was included to fulfill the following objectives:

- Present the features of the product and services
- Present the business model of the product and services
- Integration of FPO/startups with the business model
- To have fully aware business collaborations
- To achieve targeted and needful business networking

# D. Krishi Bhushan Award for excellence in Agriculture, Agri-business and Food Processing

- This component was included to popularize and recognize the excellence in agriculture, food processing and agribusiness sectors. **Krishi Bhushan (a national level award)** award provided to individuals and organizations working with high impact to improve the livelihood options and income of farming community.
- During the Krishi Manthan, the excellence in technologies, knowledge, product, services and ideas from farmers, farmer organizations, Government, NGO, industry, experts, academia, and startups are recognized and awarded with Krishi Bhushan.

### E. Agribusiness Ambassadors

• This component was introduced in this year's Krishi Manthan to recognize voluntary organizations and individuals who contribute significantly for promotion and support of agribusiness among farmers, farmer organizations and agri-startups.

### F. Collaboration and Networking

- Collaboration and networking are the most common objectives of all the components and activities of this program.
- The program puts its best effort to ensure the participation of all the stakeholders and support providers of agriculture, food processing and agribusiness domain, so that, the effective dynamic business model and ecosystem can be developed with direct integration of farmers, farmer organizations and energetic rural youth.



## 4. IMPORTANT FACTS & FIGURES

## States participated

- Madhya Pradesh
- Andhra Pradesh
- Chhattisgarh
- Haryana
- Himachal Pradesh
- Karnataka
- Rajasthan

- Tamil Nadu
- Uttar Pradesh
- Uttarakhand
- Bihar
- Gujarat
- Jharkhand
- Delhi
- Punjab

Dept. of Agriculture 48

Dept. of Horticulture 50

Agri-Startups 15

Corporates 15 FPO/FPC 70

Institutions 15

NGOs 15

Farmers 100

Experts 43

# Government Departments Participated

- Krishak Utthan Vriksha Ropan Evam Paryavaran Seva Samiti
- Agriculture Production Department, Government of Jammu and Kashmir
- Agricultural Technology Management Agency
- M.P. State Agro
- Department of Farmer Welfare & Agriculture Development
- Central Institute of Agricultural Engineering
- Indian Council of Agricultural Research
- National Bank for Agriculture and Rural Development, Madhya Pradesh
- Krishi Vigyan Kendra
- Entrepreneur Department Agency
- Department of Horticulture & Food Processing, Madhya Pradesh

## **Startups Participated**

- Organic Choice India
- Organic Farmer & Mentor
- Bhumisha Organics
- Nutraceutical Rich Organic India Pvt. Ltd.
- Biotech Era Transforming India (BETI) Research
- Agricx Lab Pvt Ltd
- Vanproz Agrovet LLP.
- Source Trace Systems India Pvt. Ltd.
- Kisan Manch Farmers Community
- Krishi-Veda
- Vijayshree Soya Products
- Krishi Bio Products and Research Pvt. Ltd
- Kissan Bharti Agro Purpose Co-Operative Society Ltd.
- Jyoti Agro

## **Corporates Participated**

- Mushroom Valley
- Eagle Seeds
- Shalimar Masala
- Vasundhra Krishi Yantra
- Techno Surge Industries Llp
- Anand Hitech Solution
- Rinwa Organic Farm
- M.V. Patel & Co.
- Dayal Fertilizer Pvt. LTD

## **Institutions Participated**

- Indian Institute of Soil Science
- Central Institute of Agriculture Engineering
- Indian Institute of Forest management(IIFM)
- College Of Agriculture Indore
- Jawaharlal Nehru Krishi Vishwa Vidhyalaya (JNKVV)
- Sagar Group of Institution (SISTech) Bhopal
- Sher-e-Kashmir University of Agricultural Sciences and Technology
- Rabindranath Tagore University
- Indian Institute of Vegetable Research
- National Institute of Agriculture
- Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior
- International Institute of Villagers Training & Development

## NGOs Participated

- Janmadhyam
- Sparsh welfare society
- Lakshya
- 7 Crop Foundation
- Baypass sansthan
- Lalita Divyashram, Khajuraho
- School of livelihood & rural development
- Shree Krishnayan
- Action For Social Advancement
- Aga Khan Rural Support Programme (India)
- Mahiti Trust, Gujrat

## FPOs Participated

- Mohgaon Women Grower Producer Company Limited
- Sampuranaahar Producer Company Limited
- Akaji Maharaj Farmer Producer Company Limited
- Rly. Koduru Prakruthi Producer Company Limited
- Saahithy Mango Producer Company Limited
- Bhole Beej Shekari Samiti
- Betul Krishik Utpadak Producer Company Limited
- Daksh Producer Company Limited
- Banmmour Farmer Producer Company Limited
- Bhasmeh Farmer Producer Company Limited.
- Gondia Vibhog Farmers Producer Company Limited

- Buttaigudem Farmer Producer Organisation
- Ojasvi Krashak Utpadak Sangthan
- Makuli Farmer Producer Company Limited
- Panjuana Milk Producer Company Limited
- Kissanbharti Agro Purpose Co-Operative Society Ltd
- Mohgori Women Producer Company Limited
- Krishkotsav Farmer Producer Company Limited
- Sopa Farmer Producer Company Limited
- Batri Farmer Producer Company Limited
- Haribhumi Farmer Producer Company Limited
- Hanuman Prathmik Beej Utpadak Shekari Samiti
- Gupteswar Swablambi Producer Company Limited
- Bhole Beej Utpadak Umri
- Vindhyachal Crop Producer Company Limited
- Bhatsa Farmer Producer Company Limited
- NUS Farmer Producer Company Limited
- Siddhnath Beej Utpadak Shekari Samiti
- Pratibha Farmer Producer Company Limited
- Farmer Bhumitra Producer Company Limited
- Unnat Krishi Abhiyan Parisad
- Kyasc Agro Farmers Producer Company Limited







## 5. WORKSHOP SESSIONS

Day-1	Nutrition Sensitive Agriculture Production & Organic Farming		
	Equipment & Machineries, Digital & Smart Equipments		
	Food Processing Technologies and Equipments		
	FPO And FPO Related Business Session		
	Agriculture Services		
Day-2	E-commerce, E-marketplace, Digital Agriculture		
	Food Processing as Cottage and Small Industry		
	Start-up Session		
	CSR Session		
	Networking Dinner		

















# INAUGURAL CEREMONY





# <u>Session – 0 : Inaugural Session</u>

Speaker Name	Brief	Photo
Mr. Ashok Kumar Jalagam	Smart Food Coordinator - Asia Pacific, International Crops Research Institute For The Semi-Arid Tropics (ICRISAT)	
Mr. Amit Kumar Singh	Country Representative, India, Tanager International	
Mr. G.P. Prajapati	Director, State Institute of Agriculture Extension & Training, Bhopal	

Mr. J.S. Chouhan	Director, Samrat Ashok Technological Institute, Vidisha	
Mr. Rajesh Saxena	Sr. Principal Scientist, MPCOST, Bhopal	
Mr. K.S. Tekaam	Additional Director, Department of Farmer Welfare & Agriculture Development	
Mr. Dwarika Singh	Chairman, Asian Consortium of Farmer Producer Company Ltd.	फार्मर प्रोड्यूसर ऑग

## Highlights

Mr. Dwarika Singh, Chairman, Asian Consortium of Farmer Producer Company Ltd. (ACFPCL), gave a detailed presentation on "Krishi Manthan-4, National Agribusiness Summit and Exhibition 2018". He highlighted the aims, objectives, program components, thrust areas and session details of the two days summit. He mentioned that Krishi Manthan has evolved into a platform for extensive knowledge acquisition and dissemination in the agriculture and food processing sectors. ACFPCL is committed to on ground implementation of the recommendations and takeaway points of the summit. In continuation, he briefed about the on ground implementation of the recommendations of "Krishi Manthan-3". Krishi Manthan is also a platform for recognizing the excellence in agriculture and food processing sector. This recognition, formally named "Krishi Bhusan Awards", is granted for achievements in various segments of agriculture, food processing and agribusiness ecosystem. Another recognition as "Agribusiness Ambassador" is awarded to individuals who contribute significantly for promotion and support of agribusiness among farmers, farmer organizations and Agri-startups. Chairman concluded his presentation with vision of the future roadmap of the program for expanding agribusiness activities among the farmer organizations across country.

Mr. Ashok Kumar Jalagam, Smart Food Coordinator-Asia Pacific, International Crops Research Institute for The Semi-Arid Tropics (ICRISAT), emphasized the production and consumption of millet based foods and also shown research evidences of better health after consuming the millet based foods. He also showed statistics of relative improvement in the income of those farmers who took up the production as well as processing of millets. He presented cost benefit analysis of few millet based ready-to-eat and culinary products. He offered to help and facilitate in extending the knowledge and technologies of ICRISAT to farmer organizations (FPOs/FPCs).

**Mr. Amit Kumar Singh,** Country Representative India, Tanager International, spoke about the importance of value addition and market access in increasing the economic activities in rural areas, which will lead to increase in income of farmers. He also underlined the need of supporting infrastructure, both physical and virtual, to enable the same.

**Mr. G.P. Prajapati,** Director, State Institute of Agriculture Extension & Training (SIAET), Bhopal, emphasized the need of organizing training programs for adoption of modern

technologies and scientific knowledge for increasing the farm productivity and produce diversity. It will lead to increase in the income of farmers and farmer organizations. He offered to collaborate with modern knowledge and technology providers in organizing such training programs at SIAET for farmers and farmer organizations.

**Mr. J. S. Chouhan,** Director, Samrat Ashok Technological Institute (SATI), Vidisha, spoke about the role of research and innovation in technology for the development of agriculture and food processing sector. He offered the infrastructure of SATI and services of faculty & research scholars for validating and developing the most suitable technologies for localized needs of agriculture and food processing.

**Mr. Rajesh Saxena,** Sr. Principal Scientist, MPCOST, Bhopal, spoke about the role of science and technologies in the development of agriculture and food processing sectors. His special emphasis was on benefits of new developments in rural bio-technologies and tissue culture. He gave a brief about the schemes and promotional programs of MPCOST for development and promotion of science and technologies pertaining to agriculture and food processing sectors. He encouraged the individuals and organizations to avail the same for benefits of the sector.

Mr. K. S. Tekaam, Additional Director, Department of Farmer Welfare & Agriculture Department, voiced the inevitable need of organic farming for good health in current era. He talked about the government schemes, such as Paramparagat Krishi Vikas Yojana (PKVY), pertaining to promotion of organic farming and certifications. He further spoke about higher prices and better marketability of organic produce. He shared the success stories of a few farmers as an example.

Mr. Suresh Prabhu, Hon'ble Minister of Commerce and Industry, Government of India, addressed the summit through a pre-recorded video. He highlighted the priorities of central government towards farmers by increasing the targeted exports of Agri-products to USD 100 billion. He linked the prosperity of farmers with the prosperity of the nation. He highlighted the government plan of developing product based clusters across the country. He expressed his willingness to work with Asian Consortium of Farmers Producer Company Limited (ACFPCL) for on ground implementation and management of the government plans.

#### **Takeaway points:**

- 1. Farmers should adopt the production and processing of millet based food items availing the knowledge and technologies of organizations like ICRISAT.
- 2. Physical and virtual support infrastructure needs to be developed for value addition in farm produce and increase the business options for FPOs/FPCs
- 3. Skill development programs based on modern technologies and scientific knowledge, should be organized.
- 4. For effective innovations as per local needs, the services of labs, faculties and research scholars needs to be integrated and shared.
- 5. New developments in rural biotechnologies and tissue culture should be utilized to benefit farmers and farmer organizations.
- 6. Organic farming should be adopted for higher prices and better marketability of farm produce.
- 7. FPO should adopt the product based clusters mandated by government.







<u>Session – 1 : Nutrition Sensitive Agriculture Production & Organic Farming</u>

Speaker Name	Brief	Photo
Dr. Rajbir Singh	International Agriculture Consultant	
Mr. Prabuddh Mishra	Managing Director, Vanproz Agrovet LLP, Bangalore	THE STATES
Dr. Asha Upawanshi	Deputy Director Horticulture, Department Of Horticulture & Food Processing, Betul	

r. Gagnesh Sharma

Regional Director, Regional Centre Of Organic Farming (RCOF)



Highlights

**Dr. Rajveer Singh,** International Agriculture Consultant, gave the detailed presentation on role of pollinators in quality agriculture production. The Agriculture productivity and nutrition content in produce can be increased through effective pollination and diversified farming. He highlighted the BEE as the best pollinators and emphasized on "**BEE-KEEPING**" for quality production and increased earning options for farmers. He gave statistics of various products, such as honey, wax, pollen, royal jelly, etc. and associated earnings that a farmer can realize with Bee Keeping.

Mr. Prabudhh Mishra, Managing Director, Vanproz Agrovet LLP, Bangalore, gave in-depth presentation about "Nutrition Sensitive Organic Farming/Production". He presented important information regarding organic farming principles, nutrition management and national & international market potential of organic foods. He emphasized on the usage of plant extract based organic input and pest control mechanism. He mentioned that farmers and farmer organization can easily produce such inputs with limited investment. On the request of farmers present in the summit, he expressed his willingness to support and provide guidance for creation of production facilities at farm end.

**Dr. Gagnesh Sharma** Regional Director, Regional Centre of Organic Farming (RCOF), gave a detailed presentation on current scenario of "**Organic Agriculture and certification options & processes in India**". He explained the steps to take up entrepreneurship in organic production, processing, certifications and marketing. He highlighted about building the soil fertility using organic matters only for certification of organic produce. He presented a comparative analysis of NPOP (National Program on Organic Production) and PGS (Participatory Guarantee System) certifications for better understanding of participants. He also gave brief about the schemes/activities sponsored by government of India for promotion of organic farming.

**Dr. Asha Upawanshi,** Deputy Director Horticulture (Betul), Department of Horticulture & Food Processing, government of Madhya Pradesh, made a presentation on importance of horticulture crops for better livelihood of farmers. She put special emphasis on high value crops such as cashew plantation, floriculture, cocoa plantation, etc. She presented her work done in district Betul as a model. Cashew plantation is a highlight of this model, which is recognized across the state. She outlined her future plan of setting up a cashew processing unit through collective involvement of farmer organizations (FPO/FPC) of cashew growers. This processing unit will work in collaboration with marketing/export organizations engaged in cashew business.

#### **Takeaway points:**

- 1. Farmers should adopt bee-keeping and diversified farming practices for better marketability and increased earnings.
- 2. Farmers and farmer organization can setup plant extract based organic input and pest control production unit as a viable business model.
- 3. Farmers should go for PGS/NPOP certifications for exploring National/International market.
- 4. Farmers should adopt the production and processing of high value horticulture crops for increasing their income.

<u>Session – 2 : Food Processing Technologies & Equipments</u>

Speaker Name	Brief	Photo
Mr. Rajendra Singh	Demonstration Officer, Food & Nutrition Board, Govt. of India	
Mr. Bhisham Thakkar	Expert Consultant, Strategic Agribusiness & Post Harvest Solutions	
Dr. P.P. Ambalkar	Sr. Scientist, Central Institute of Agriculture Engineering	ST.

Dr. Vijay Agrawal	Deputy Director Horticulture, Department Of Horticulture & Food Processing, Bhopal	
Dr. Tripti Singh	Faculty, International Institute of Villagers Training & Development	
Dr. Prayag Dutt Juyal	Vice Chancellor, Nanaji Deshmukh Veterinary Science University, Jabalpur	

## **Highlights**

Mr. Bhisham Thakkar, Expert Consultant, Strategic Agribusiness & Post Harvest Solutions, gave a detailed presentation on the topic "Converting a Farmer to a Businessman". He presented an end-to-end ecosystem needed to transform farmers and youth to a businessperson. He highlighted the roles & responsibilities, dos & don'ts for FPOs, FPCs and Agri-Startups. He advised farmers, farmer organizations and Agri-startups to take up value additions, food processing, non-farm activities etc. at their farm level. His "Farm-to-Fork" model of business integration emphasized on multiple options like drying, pulverizing, grading, packing, renewable energy, etc. that can be taken up at farm level for getting sustainable extra income.

**Dr. P.P. Ambalkar,** Sr. Scientist, Central Institute Of Agriculture Engineering (CIAE) Bhopal, highlighted the role of innovative and small machineries in bringing prosperity to small and marginal farmers. His presentation was titled "**Agro Processing and Value Addition through ICAR-CIAE Technologies**" where he gave an insight on the innovative equipments and machineries like deep plough, planting machine, harvester, ripper-binder, grader, soya processing plant, etc. available for agriculture production, harvesting, post harvest and food processing.

**Dr. Prayag Dutt Juyal,** Vice Chancellor, Nanaji Deshmukh Veterinary Science University (NDVSU), Jabalpur, gave in-depth presentation on "Recent trend in animal health care and production for doubling farmer's income". He highlighted points like distribution of livestock population, integrated farming, and strategies for doubling farmers income. He demonstrated the many Panchgavya products developed in NDVSU research centre, like Gobar Gamla, distilled cow urine, cow dung mosquito coil, Ghanvati, etc. These are the products developed from animal waste and make a good business model for farmer organizations. He expressed willingness to collaborate with them for knowledge transfer and product marketing.

**Dr. Tripti Singh,** Faculty, International Institute of Villagers Training & Development, gave a detailed presentation on the topic "Business Opportunities & Innovation Required In Herbal Industry". She demonstrated about primary, secondary and tertiary processing of herbs along with its business feasibility analysis. She also discussed the problems that exist in herb production and processing. She mentioned that just producing and selling herbs may not be business feasible. However, market-demand linked production integrated with processing will make a good business model for farmer organizations.

**Mr. Rajendra Singh,** Demonstration Officer, Food & Nutrition Board, Govt. of India, spoke about the small food processing units suitable for micro-entrepreneurs, farmers and farmer organizations. He demonstrated many products like tomato ketchups, dry powders, pickles etc. He also spoke about the setup cost, raw material cost, packaging, marketing etc. He also informed the participants about the schemes sponsored by government of India for training and support to produce these items. He offered to extend his support and facilitation services for interested farmers, farmer organizations and individuals in setting up of such micro-food processing units.

**Dr. Vijay Agrawal,** Deputy Director Horticulture, Department Of Horticulture & Food Processing, Bhopal, spoke about the role of food processing in increasing the earning of the farmers. He presented the schemes sponsored by government of India as well as government of Madhya Pradesh for promotion of food processing units that can be taken up by farmers, farmer organizations and other individuals. He mentioned the schemes offering the financial support from 25% to 100% to interested participants. He encouraged the participants to setup food processing units availing the financial assistance of government. He offered to extend all possible help to everyone interested to avail the benefits of government schemes.

#### **Takeaway points:**

- 1. Farm to fork business infrastructure needs to be created exclusive to farmers and farmer organizations.
- 2. Farmer should adopt the innovative and small machineries to bring efficiency and better productivity for agriculture production as well as food processing.
- 3. Development of innovative products from animal waste will make good business model for farmer organizations.
- 4. Market-demand linked production integrated with processing of herbs will make a good business model for farmer organizations.
- 5. The micro-food processing units should be taken up by small and marginal farmers and individual entrepreneurs for extra income.
- 6. Farmers and farmer organizations should setup food processing unites at their farm for additional and yearlong income

## Session -3: FPO and Related Business Session

Speaker Name	Brief	Photo
Ms. Shweta Singh	National Bank of Rural & Agriculture Development (NABARD)	्रीय जिमेर प्रोडयू
Mr. Vijay Athawale	Consultant, Small Farmers Agri- Business Consortium (SFAC)	
Mr. Amit Kumar Singh	Country Representative, India Tanager International	

Mr. Ajay Mishra	Managing Director, Kissan Bharti Agro Purpose Co-operative society Ltd.	्रीय फार्मर प्रो
Mr. Dharmesh Shah	Managing Director, Inter Agro International	
Mr. Akash Chaurasia	Unnat Krishi Abhiyan Parisad	

## **Highlights**

Ms. Shweta Singh, National Bank of Rural & Agriculture Development (NABARD), Bhopal, spoke about the schemes and programs of NABARD pertaining to producer organizations. She explained that the support is available for formation of producer organization, post formation functions & operations and other linkages. There are provisions of engagement of Producer Organization Promoting Institution (POPI) for extending such supports. She encouraged the eligible organizations to get registered as POPI in NABARD. She also promised producer organizations of all possible support in formation and other functions falling under the provisions of NABARD.

**Mr. Vijay Athawale,** Consultant, Small Farmers Agri-Business Consortium (SFAC), Pune, enlightened the audience with the supporting schemes of SFAC. He enumerated the benefits of two schemes, viz., Equity Grant Fund (EGF) schemes and Credit Guarantee Fund (CGF) scheme. He explained how FPOs/FPCs can enhance viability and sustainability along with increasing their credit worthiness through EGF. FPOs can also avail collateral free credit guarantee cover using the provisions of CGF scheme. He offered his services to FPOs/FPCs for submitting applications and expediting the same in SFAC.

**Mr. Ajay Mishra,** Managing Director, Kissan Bharti Agro Purpose Co-operative society Ltd. Gwalior, is a progressive farmer engaged in production, processing and marketing of medicinal plant based products. He presented his cooperative contract farming model of agribusiness to the audience. He apprises farmers about the benefits of growing medicinal plant and processing the same through cooperative arrangement. He has successfully implemented the cooperative contract farming and processing model. He is currently making products based on aloevera, tulsi, organic input, etc.

**Mr. Dharmesh Shah,** Managing Director, Inter Agro International, London, spoke about the cashew business ecosystem. He shared his experiences of cashew business right from plantation, collection, processing to marketing. He shared the economics of operation and role of export linkages in cashew business. He appreciated the role of FPO at ground level and expressed his willingness to work with FPOs specifically in Betul with the cashew growing farmers. He communicated to farmers about his willingness to support the cashew growing farmers in knowledge transfer, FPO formation, setting up of processing unit and marketing of processed cashew.

**Mr. Amit Singh,** Country Representative, India, Tanager International, gave a detailed presentation on connecting smallholder producers to major consumer brands and all stakeholders along the supply chain. He expressed the need of direct integration of growers with processors, logistics providers, marketers and consumers. He also suggested ways for improving productivity, profitability and strengthening sustainable supply chains. He also emphasized to assess markets, analyze supply chains, and pilot new technologies and tools. Tanager is having vast experience of working with farmer organizations in several countries including India. He expressed his willingness to work with FPOs/FPCs of Madhya Pradesh. He appreciated the model of Krishi Manthan and expressed the need to organize similar summits in other states of India.

**Mr. Akash Chaurasia,** Innovative & progressive farmer entrepreneur, Sagar, gave detailed presentation on "Organic Farming, Multi-layer Farming and Agriculture Management". He highlighted the ways to increase soil fertility, increase immunity in crops, improve water table, natural pest control and minimize bad weather impact. He explained about multilayer farming, natural mulching and intercropping. He emphasized on diversified farming for organic production and increasing the net income of the farmers. He conducts practical training program at his farms and invited the audience to take benefits of the same.

#### **Takeaway points:**

- 1. FPO should take benefits of NABARD schemes. Similarly, promoting institution should register as POPI and extend the benefits of the NABARD schemes to farmers.
- 2. FPOs/FPCs should take benefits of schemes available in SFAC for their business growth.
- 3. FPOs/FPCs should expedite the cooperative contract farming and processing model of agribusiness.
- 4. In Betul FPO of cashew growers should be formed to increase the area of cashew cultivation. Cashew processing plant should be setup by FPO in collaboration with established cashew marketing agency.
- 5. There should be direct integration of growers with processors, logistics providers, marketers and consumers.
- 6. Krishi Manthan should be organized more frequently in different parts of the country.
- 7. Farmer should adopt the new agriculture practices such as diversified farming, organic farming, multilayer farming, natural pest control, etc.

## Session – 4 : Agriculture Services

Speaker Name	Brief	Photo
Mr. Anand Shrivastava	Divisional Manager, New India Life Insurance, Bhopal	कृषि
Mr. Ashok Burman	Business Development Manager, Source Trace Systems India Pvt. Ltd., Coimbatore	
Mr. Naveed Hamid	Agri Business Expert, Ministry of Agriculture Cooperation & Farmers Welfare, New Delhi	

Ms. Pragati Gokhale	Advisor, Rajiv Gandhi Technology & Commission, Govt. of Maharashtra	
Mr. R. S. Chaudhary	Netafim	
Ms. Laveena Sharma	Research Scholar, JNKVV, Jabalpur	

## **Highlights**

Mr. Anand Shrivastava, Divisional Manager, New India Life Insurance, Bhopal, gave a detailed presentation on "Agri-Business Risk Management". He spoke about various types of risks and how insurance can help to mitigate the same. He explained about the possibilities of insurance in agribusiness and in other assets evolving in rural areas. He highlighted how insurance can be a good business model for FPOs/FPCs and how it can be integrated with entire cycle of agriculture business through standard and customized packages. He encouraged the FPOs/FPCs to collaborate with insurance companies offering good business values and create a viable business model.

Mr. Ashok Burman, Business Development Manager, Source Trace Systems India Pvt. Ltd., Coimbatore, gave a detailed presentation on "Digital Agriculture Value Chain Management". He spoke about the role of the digital technology in traceability, agriculture management and value chain management. He also highlighted the benefits of the adoption of digital technologies like satellite imagery, high-tech sensors, mobile applications, GPS, GIS etc., for more focused, simpler and effective decision making. With the use of digital technologies farmers can save time, lower costs, increase yields and use the resources more efficiently and sustainably. He encouraged the FPOs/FPCs and other organization working in the field of agriculture to promote the adoption of new innovation in digital technology.

**Mr. Naveed Hamid,** Agri Business Expert, Ministry of Agriculture Cooperation & Farmers Welfare, New Delhi, gave a detailed presentation on the agribusiness potential available in Jammu & Kashmir. He explained the cost benefits of collaborating with FPOs/FPCs of Jammu & Kashmir for saffron and walnut value chain and supply chain. He invited the participating organizations to work in the state and he will extend all possible support to them. He explained that the green agribusiness is at the heart of sustainability and engine of economic growth. He also explained his roadmap of green agribusiness and extending the same among farmers, FPOs/FPCs and Agri-startups.

Ms. Pragati Gokhale, Advisor, Rajiv Gandhi Technology & Commission, Govt. of Maharashtra, gave in depth presentation on "Achieving digital literacy for rural entrepreneurs/farmers". She also emphasized on leveraging free digital marketing platforms for rural stakeholders to increase their online market presence and thus increasing digital footprint of rural India. She presented the Market Mirchi, a free online marketing portal for

farmers, farmer organizations and Agri-entrepreneurs. She offered the audience her all possible support to help farmers to take benefit of the free portal.

**Ms. Laveena Sharma,** Research Scholar, JNKVV, Jabalpur has given a presentation on "Role of business planning and development unit in Agri-entrepreneurship development". She started with giving awareness about different business support sources in terms of technology, finance, experts, support services, processing facilities, etc. She gave a compiled view of how to avail the support services from various support providers. She also shared her insight about business incubation services offered by business planning and development unit by different institutions.

Mr. Saurabh Kumar, National Bank of Rural & Agriculture Development (NABARD), spoke about the scenario of Agri-startups in the country and state. He expressed concern over high failure rate of Agri-startups, which can be attributed to lack of financial support, inadequate incubation and lack of market support services. In rural areas, where agribusiness is primarily based, the situation is further aggravated by absence of startup culture and its supporting amenities. He shared his experiences and exposure about the Agri-startups, their problems, support requirement, success stories and reasons of failure. He also talked about the financial provisions and other support for Agri-startups available in NABARD.

Mr. R. S. Choudhary, has given a detailed presentation on "Fundamentals of Drip Irrigation". He has given the insight about the advantages of drip irrigation. He also added, drip irrigation is well suited to all soils and also for heavy soils with low infiltration rate or soils that from surface crusts when sprinkled. Drip Irrigation requires no special land preparation.

#### **Takeaway points:**

- 1. FPOs/FPCs should include insurance into their business model.
- 2. Farmer and farmer organizations should adopt the digital agriculture for efficient management at lower cost.
- 3. FPOs/FPCs should adopt green agribusiness and integrate with the value chain of potential products of other states.
- 4. Agribusiness stakeholders should use digital platform for marketing their products and services globally.
- 5. Agri-startups should be aware about the available financial support from NABARD and other banking institution and take the benefits of the same.

# Session – 5 : Start-up Session

Speaker Name	Brief	Photo
Dr. Pooja Pandey	Managing Director, Biotech Era Transforming India (BETI),Indore	
Mr. Ravindra Singh	Managing Director, Nutraceutical Rich Organic India Pvt. Ltd, Lucknow	
Mr. Ankush Wanjari	Regional Sales Manager, Agricx Lab Pvt. Ltd, Mumbai	

Ms. Arti Verma	CEO, Mandla Adishakti Mahila Farmer Producer Company	
Ms. Mamta Madhavi	Managing Director, Mamta Enterprises	
Ms. Pratibha Tiwari	Managing Director, Bhumisha Organic	-som
Ms. Vijayshree Purohit	Managing Director, Vijayshree Soya Products	

Mr. Saurabh Kumar	National Bank Of Rural & Agriculture Development (NABARD)	कृति इयस आंगन क
Dr. Suman Kumar Das	Managing Director, Krishi-Veda	
Mr. Santosh Jha	Managing Director, AS Agri Systems Pvt Ltd.	
Mr. Piyush Raj Saxena	Managing Director, Jyoti Agro Solution	



Nutraceutical Rich Organic India(P) Ltd

**Nutraceutical Rich Organic India Pvt. Ltd** will cultivate millets through tribal farmers groups and will also be engaged in primary processing and make value added products out from millets which will be further marketed in Urban and rural India under a brand name.

Nutraceutical Rich Organic India Pvt. Ltd will mobilize Millets growing tribal farmers groups which already exist in villages of Chhattisgarh and Madhya Pradesh and Uttarakhand, Uttar Pradesh and North East India States, The company will collect millets and organic produce from these groups and further process the same and make value added products like Biscuits from millets and, Jam, jelly and squash from of Mahua and other forest produce which will further be marketed in Urban and rural India. This will also help to enhance the livelihood opportunities of the deprived section of society.

#### **Product Categories**:

- •Millet Cookies (Bajra, Ragi, Jowar, Kodo, Barnyard Millet)
- •Multigrain flour
- •Medicinal and Nutritious Rice
- •Rice

Visit us on: www.nutririchorganic.com

**Ravinder Singh** 



**Biotech Era Transforming India (BETI)** research and training centre, Indore, India was founded in 2017 with the main goal of providing reliable custom Spawn services and training to Mushroom growers across India. Ever since its inception in 2017 after registering under Government of India- MSME, Indore the centre's underlying objective has been to deliver end-user centric and cost effective Spawn through a highly interactive and customized approach.

BETI has a team of experts giving Mushroom Cultivation Training with thorough knowledge starting from theory (including commercial planning growing to harvesting, packaging, transportation), practical and marketing. Besides this, BETI also focuses on malnutrition eradication, women empowerment and biotechnology employment generation.

Visit us on: www.biotechera.com

Dr. Pooja Dubey Pandey



Agricx Lab Private Ltd. is a company recognized by Startup India. We provide quick, accurate, portable, and easy to use quality assessment tool that takes the subjectivity out of quality assessment and makes every transaction smoother and lossless. Agricx currently offers solutions to warehouses, FPO, SME's, Govt. and enterprise clients with a plan to expand across the food produce supply chain. Agricx digitalizes the procurement process and automates the supply chain decision making.

#### **Product Categories:**

- Agricx\_Procure: "Digitise and automate commodity procurement process". Agricx provides an enterprise-grade platform that can assess and report the quality specifications of agri-produce from images using Artificial Intelligence".
- Agricx\_Spectrum: "A low-cost spectrometer device to test the chemical composition of food".

Visit us on: www.agricx.com

Ankush Wanjari



Mission: "Sustainable Solutions For Agriculture"

Vanproz Agrovet LLP is an agricultural biotechnology startup based in Bangalore with research facility at Camp (GKVK university) and production facility at Peenya. Vanproz is the first mover in viricide solution (patented technology) against viral disease in plants. All of our products are organic certified by IFOAM international. We are currently serving in India, Egypt and Mexico.

Vanproz is one of India's leading plant biotechnology companies specializing in 100% natural and safe agricultural inputs. The company's portfolio includes disease management and nutritional products catering to a wide range of plants & animal kingdom.

Vanproz is having collaboration with IIHR to carry out R&D for developing agri-inputs & certified biotechnology start-up by Government of India. Within one year of inception, Vanproz has applied for two patents.

Research & Development is a passion at Vanproz. A strong R&D program has resulted in the development of several unique patented products and solutions for a variety of problems related to nutrition & disease in plants. The R&D program also works on the preservation and propagation methods of Seaweed aimed at conserving their natural properties and maintaining the desired quality. This aspect is taken up by self and contract farming of seaweeds and their propagation by standard techniques like raceway pond, photo-bio-reactor and in-open cultivation in sea. The rigour applied to product discovery, applies to formulation development and product testing too. Vanproz is having 2 MT per day capacity production plant at Peenya, Bangalore. Our production plant is certified by IFOAM international organic certification.

#### **Innovative Products**-

Fungicide, Viricide, Micro-nutrients, Bio-stimulants, Calcium mixture for bovines, Mineral mixture for bovines, Viral disease management in poultry.

Visit us on: www.vanproz.com

Prabuddh Mishra



**Source Trace Systems India Pvt. Ltd.** is a global leader in digital agriculture solutions and provides innovative ICT tools for improvement of digitization of agriculture value chain. Our mobile application and solution helps organizations who are involved in projects for promoting sustainability and livelihood improvement for small holder farmers.

Source Trace tools are specifically designed for small holder farmers in developing countries and so far Source Trace solution has impacted more than one million farmers across 26 countries in Africa, Asia and Latin America. Our solution is unique and can be widely adapted in agriculture and allied sectors for improvement of the value chain.

#### **Source Trace application includes:**

- Farmer, farm and crop enrolment with GPS mapping
- Traceability from farm to fork
- Yield monitoring and harvest prediction
- Farm monitoring and Inputs distribution
- Digital Procurement and supply chain
- Payment processing with bank account linkages
- Monitoring and Evaluation
- Inventory tracking
- Farm/Farmer data collection & monitoring, with real time farm pictures
- Farm Area Mapping, plotting & geo location
- Internal Control System (ICS) for various certifications such as Fair Trade, UTZ, BAP
- Farmers advisory services, text and voice messaging services
- Market Linkage
- Remote sensing based crop management
- Weather forecasting

#### Visit us on: www.sourcetrace.com

Ashok Burman



**Kisan Manch** founder Mr. Dev Bhardwaj has close to 15 years' experience in Data Architecture Designing, Data Warehousing, Data Mining and Forecasting. Kisan Manch provides Real Time Agriculture, Horticulture & Livestock Information Management Solution for Department of Industries, Govt. of Himachal Pradesh on the one side (Supply) and will also aggregate Industry Demand of Raw Materials on the other side.

#### **Progress:**

The Company has established 3 contract agriculture projects so far in last one year. Kisan Manch is working as field implementation agency (providing crop know-how, on-farm support, planting material, crop input products & secured buyback) for Stevia Biotech Private Limited for cultivating Stevia in 1200 acres in north India. Kisan Manch is in advance talks with Sukhjit Agro through Department of Industries, Govt. of Himachal Pradesh for supply of 100 Tons Corn daily, by aggregating Farmers Data on Kisan Manch Platform in Himachal Pradesh to process into poultry feed & Cattle Feed. Kisan Manch is also in advance talks to take up 600 acres of Corn Cultivation for Silage in Kolkata for a Leading Gaushala consisting of approx. 50000 Local Indian Cattle.

#### **Rewards & Recognitions:**

- Kisan Manch ranked among 100 Top Social Enterprises in India by Action for India at India Habitat Center, New Delhi.
- Kisan Manch received Agri-prenuers Award at Constitution Club, New Delhi by EAI.
- Kisan Manch received Himachal Achiever's Award at Gaiety Theater, The Mall, Shimla.
- Kisan Manch received Krishi Bhushan Award at National Agribusiness Summit for FPOs & Agri-Startups at Bhopal, Madhya Pradesh

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Dev Bhardwaj



#### **Our Mission**:

"We aim to rejuvenate the vedic science of agriculture and create sustainable ways to feed the entire globe and make the farmer an Agripreneur".

Anusandhan Kendra contribution serve the world. We create business foundations necessary to make farming the best profession and kisan and Agripreneur. Our team is composed of agricultural experts, engineers, social workers, experts of vedas and the farmers. Our company works together with NGOs and agricultural research institutes to establish sustainable agriculture.

We use science, economics and management to create services based on agriculture. Our products are crafted with hands full of happiness and harmony so that we deliver not only best health but happiness and blessings of mother earth to our consumers.

Moreover, we have devised ways for everyone to become a farmer and feel proud about it by serving the nation and the world. We are making farming simple so that lives of farmers will be better.

Visit us on: www.krishiveda.org

Dr. Suman Kumar Das



#### AS AGRI SYSTEMS PVT LTD

Technology | Innovation | Sustainability

**Mission**: We enable agriculture farms and greenhouses, helping farmers in automating and optimizing their farming activities, reducing costs and increasing yield.

**Products / Services**: AS Agri is focused on three main automation solutions:

- **Irrigation Automation:** Root zone Soil moisture sensing and automated trigger ON / OFF of irrigation (Drip/flood) system. Benefit: 30-50% water savings.
- Climate Control: Green house climate control through measurement of temperature, Humidity, CO<sub>2</sub>, Luminescence etc. and actuation of vents, fogger and fan pads to control. Benefit: 75% cheaper solution compared to any prevailing market solution
- Cold Chain Logistics: Temperature, RFID, GPS, CO<sub>2</sub> sensors and other sensors (Contact sensors, FAN On/Off sensors) for tracking and controlling various aspects of cold Storage units and mobile and static freezers Benefit: 10-15% benefit through cost savings on cold storage compressors, No unnecessary drain out of cold air for CO<sub>2</sub> flush.

Visit us on: www.asagrisystems.com

Santosh Jha



**Jyoti Agro Solution** identifies, design, develops and execute personalized farming solution for the farmers or any other land owner in the most innovative, creative and advanced and budget friendly manner.

We design multiple farming practices in the form of combinations of fruits farming such as Apple, banana, citrus, grapes, guava, litchi, mango, papaya, pineapple, pomegranate, sapota, dragon fruit, drumstick, bamboo, jackfruit, etc., and also vegetable farming, flower farming, medicinal plants farming and aromatic plants farming on a single irrigation solution in the form of macro irrigation or micro irrigation system.

We recognize and develop available/required resources such as finance, water source, electricity (both conventional and solar), labour force or any other element required for the development of land for advanced farming practice. We focus our entire energy towards organic/ Bio-Organic/ Ayurvedic inputs so as to ensure chemical free farming and respective production, thus ensuring better and healthy food consumption in the society.

Visit us on: www.jyotiagrosolution.com

Piyush Raj Saxena

# 10. KISSAN BHARTI AGRO PURPOSE CO-OPERATIVE SOCITY LTD.

# किसान भारती एग्रो परपज को ऑपरेटिव सोसाइटी लि.

भारत सरकार की वर्तमान नीतियों एवं सिद्धान्तों से ही प्रेरित होकर हमने "किसान भारती एग्रो परपज को ऑपरेटिव सोसाइटी" के रूप में यह पहल की है। कृषक वर्ग को उत्साहित एवं शिक्षित करने के साथ साथ हम अपने कृषक सदस्यों की कृषक भूमि पर जैविक खाद से उत्पादन वृद्धि तो ले ही रहे है तथा साथ साथ अन्य वैकल्पिक उत्पादों पर भी उनकी रूचि जागृत कर कृषकों की आय वृद्धि के क्षेत्र में भी हमें दिन प्रतिदिन सफलता मिल रही है इसी क्रम में हमारे द्वारा लगभग 10000 सदस्य बनाये जाकर लगभग 8—10 हजार एकड़ भूमि पर जैविक खाद के उपयोग से कृषकों की आय वृद्धि में हमें लगातार सफलता मिल रही है।

उक्त प्रयासों में सफलता से उत्साहित होकर हमारे द्वारा कृषक सदस्यों को हम बागबानी, पशुपालन, मधुमक्खी पालन, सोलर एनर्जी, पानी की बचत आदि वैकल्पिक उपायों को प्रयोग में लाकर उनकी आय वृद्धि करने में भी हमें लगातार सफलता प्राप्त हो रही है उक्त प्रयासों के ही साथ साथ हम कृषको के छोटे छोटे समूह बना स्वरोजगार उपलब्ध करा कर हम कृषक महिलाओं को भी अपने साथ लेकर महिला सशक्तिकरण की दिशा में भी कार्य कर रहे है।

वर्तमान में हमें भले ही केन्द्रीय सहकारी अधिनियम 2002 के अंतर्गत सहकारिता विभाग भारत सरकार दिल्ली द्वारा केवल मध्य प्रदेश एवं उत्तरप्रदेश में ही कार्य करने हेतु अधिकृत किया गया है किन्तु देश की आवश्यकता, कृषको की आयवृद्धि, पर्यावरण, महिला सशक्तिकरण, जल एवं जमीनों का सदुपयोग आदि विषयों पर प्राप्त सफलता से उत्साहित होकर हम भविष्य में अन्य राज्यों जैसे हरियाणा, बिहार, राजस्थान, गुजरात, छत्तीसगढ़, उतरांचल एवं हिमाचल प्रदेश में भी अपना कार्यक्षेत्र विस्तृत करने की योजना बना रहे है यदि हमें भारत सरकार द्वारा पर्याप्त सहयोग मार्गदर्शन एवं उत्साहवर्धन समय समय पर मिलता रहा तो हमें पूर्ण विश्वास है कि हम अपने कार्यों में पूरी तरह से सफल सिद्ध होंगे।

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शिव प्रकाश मिश्रा



## ग्रामोत्थान एग्री हर्ब एंड मार्केटिंग इंडिया प्रा. लि.

कंपनी गठन का मुख्य उद्देश्यः जहर मुक्त खेती, रोग मुक्त समाज, स्वाबिलम्बी युवा, महिला सशक्तिकरण एवं व्यवसाई किसान है।

इस उद्देश्य की पूर्ति हेतु कंपनी देश में कई कोओपरेटिव सोसाइटी, एनजीओ, स्वसहायता समूह एवं किसान संगठनों के साथ मिलकर एक मुहीम संचालित कर रही है इस मुहीम में ग्रामीण भारत एवं शहरी भारत दोनों को ध्यान में रख कर एक बहुत ही मजबूत कार्यक्रम बनाया गया है जिसका नाम है (खेत से बाजार तक)।

इस कार्यक्रम में जो किसान जैविक प्राकृतिक खेती कर रहे है उन्हें साथ जोड़ कर उन्हें कॉन्ट्रेक्ट फार्मिंग बायबैक गारंटी के साथ औषधीय खेती करवाई जा रही है जिसमे मुख्य रूप से एलोएवेरा शतावर अश्वगंधा तुलसी स्टीविया इत्यादि फसले है कम्पनी इन उत्पादों को खरीद कर उच्च गुणवत्ता के उत्पाद तैयार कर रही है जिन्हें शहरी एवं ग्रामीण क्षेत्रों में छोटे छोटे वितरकों द्वारा आसानी से घर घर तक पहुँचाने की व्यवस्था सुनिश्चित की गयी है जिसमे अधिकतम महिला सदस्यों को वितरक बनाने का प्रावधान है।

संस्था द्वारा मोबाईल एप भी बनाया गया जिसे अपने मोबाईल में डाउनलोड कर कृषि एवं खाद्य पदार्थ तथा अन्य जानकारी बिलकुल आसानी से प्राप्त कर सकते है जिसका नाम APS sathiya है।

हमारे उत्पाद :— एलोवेरा पल्प, एलोवेरा जूस, एलोए अमला जूस, एलोए वाटर, एलोए स्किन जैल, एलोए हेयर जैल, एलोए स्क्रब, एलोए फेसपैक, एलोए हर्बल हेंडवाश, एलोए केशसुधा शेम्पू, एलोए दंतशक्ति हर्बल टूथपेस्ट, एलोए कोल्ड क्रीम, एलोए सीरम ऑलपरपज, पंचतुलसी अर्क, स्टीविया नेचुरल पत्ती, स्टीविया अर्क, शुगर एप्पल पाउडर, हर्बल हेयर आयल, मसाले, अचार, मुख्बा, मुनगा दाल बड़ी इत्यादि

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अजय कुमार मिश्र

# 6. EXHIBITION OF PRODUCTS/SERVICES

Sr. No	STALLS PARTICIPATED	
1	Krishi Bio Products and Research Pvt Ltd	
2	Vijayshree Soya Products Pvt Ltd	
3	Nutraceutical Rich Organic India Ltd.	
4	Biotech Era Transforming India	
5	Agricxlab Pvt Ltd	
6	Vanproz Agrovet Llp.	
7	Tanager International	
8	Kissan Bharti Agro Purpose Co-operative Society Ltd.	
9	Source Trace System	
10	Nanajideshmukh Veterinary Science University	
11	Vasundhara Krishi Yantra	
12	Soil Testing Enterprises	
13	Gramotthan Agri Herbs	





































# 7. KRISHI BHUSHAN AWARDS

Krishi Bhushan Awards are National Level awards conferred as recognition of the excellence in agriculture, agribusiness and food processing sectors. The meritorious efforts of Farmers, Farmer Organizations (FPOs/FPCs), Support Institutions, Academia, Government Organizations, Agri-Startups and Experts are evaluated by a panel of experts based on the information submitted by the nominee and information gathered by the panel from various sources.

Speaker Name	Brief	Photo
Mr. P.C. Sharma	Hon'ble Cabinet Minister of Science & Technology, Government of Madhya Pradesh	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM
Mr. D.S. Chouhan	General Manager, National Bank For agriculture And Rural Development	

Mr. P.C. Sharma, The Hon'ble Minister of Science & Technology, Government of Madhya **Pradesh:** Mr. Sharma was the chief guest for Krishi Bhushan Award Ceremony and valedictory ceremony. The chief guest greeted the participants and appreciated the objectives of the summit. He highlighted the need of such program for the development of the rural economy of Madhya Pradesh as well as rural India. He emphasized on the commitment of the government for development of the agriculture and food processing sectors to provide enhanced earning opportunities to farming community. He appreciated the effort or the organizers for continuously organizing the program from last four years. He advised the organizers to transfer the accrued knowledge of the summit to the farming community for enhancing their income. He shared his field experience and government priorities to ensure the overall development of the agriculture and food processing sectors for the prosperity of the farming community. The chief guest highlighted the need of development of off-farm activities and agriculture based microenterprises along with the innovative farm based activities. Minister asked the summit organizers to work on the promotion of food processing based cottage industries, custom processing units, logistics & supply chain, innovative agro-practices and direct market linkages with farmers. The minister assured for his all-around facilitation and support for implementation of the summit outcomes and recommendations in the state of Madhya Pradesh.

Mr. D.S. Chouhan, General Manager, NABARD: Mr. Chauhan was the guest of honour for Krishi Bhushan Award Ceremony and valedictory ceremony. He stated that Indian agriculture is passing through a crisis of negative terms of trade because of weak supply chain management. A farmer has to face the difficulty on many accounts, viz, small and fragmented farm size leads to low quantum of produce, getting quality inputs on economical scale and finally getting a remunerative price for his produce.

A possible solution to all the three major issues raised above is by putting in place a mechanism of 'collectives' and 'aggregations'. Farmer Producers Organisations which are community based farmers collectives, formally a registered entity, are the answer to the panacea being faced by the agriculture sector.

NABARD promotes these initiatives as a corporate priority and in MP alone more than 300 such organisations have been promoted by NABARD. This initiative has resulted into mushrooming of success stories where the FPOs have established their own business models, both in input supply as also in marketing of their produce.

NABARD believes that in times to come FPOs will emerge as major players in agri business arena and will be able to address the price distortions between a producer and a consumer which are rampant today because of unregulated middlemen operating in the market chain.

### I (a): Category - Enterprising Farmers



Mr. Prem Narayan Khore

He is doing organic farming from past eight years and is planning to raise the landholding under it. This farmer grows ridge gourd, beans, drumstick, okra, lime, mangoes and peaches in his farm. His main objective is to create an ecosystem for smallholder organic farmers to produce and sustainably connect to the markets.



Mr. Dadam Chand Dhakad

He is doing farming using mixed and multi farming (Agriculture cropped Horticulture) techniques in his farm, which increased the yield many fold and doubled his income. He believes in 'desi khaad' and not in pesticides. He is also working on animal husbandry as an added source of income



Sudhir Goswami

He is dedicated to provide toxin-free and pesticide-free foods (vegetable, fruits, grains and dairy). He is working with the small and marginal farmers connecting them directly with the end consumers. He tries to renovate the supply chain and trying to eliminate cascading effect in between cultivation and consumption, so that farmers can get fair and transparent marketled prices.

#### I (b): Category – Innovative Farmers



Rewa Shankar Shankar Patil

He is doing an amazing work through multilayer organic farming from past seven years. He is sowing only Organic traditional Seeds in his farm, which tremendously increase fertility of soil and immunity in crops.



Amit Mishra

He is doing multilayer organic farming from past five years. He is working excellently towards cultivation and processing of aromatic crops for industrial buyers. His entire farm is nurtured with various farm made manures such as vermicompost, sour buttermilk spray, neem oil spray etc. He encourages other farmers to use the concept of multi-layer farming which reduces the production cost and increases the yield many folds.

#### **II: Category - Institution**



**Tanager International** 

Tanager connects people and partners to align interests, expand market access, and unlock the full potential of shared market opportunities that result in reliable supply chains, stable incomes, healthy families and resilient communities.



**ICRISAT**)

International Crops Research Institute For The Semi-Arid Tropics (ICRISAT) has made advances in crosscutting areas of women's empowerment and digital agriculture which positively affects the agricultural returns and overall prosperity of smallholder farmers in Asia and Africa. ICRISAT also supports agricultural entrepreneurs via agribusiness incubators and farmer producer organizations which are reaping rich dividends by making agriculture profitable.



Fruit Research Station (FRS)

Fruit Research Station (FRS) is running FSSAI compliance Custom Hiring Centre (CHC) for food processing to offset the adverse economies of scale arising due to small landholding and high cost of individual ownership. High cost of these machines, with associated low annual utilization, bottlenecks their large-scale adoption on an ownership basis. According to him ensuring availability and use of these machines on a custom hire basis could help the rapid mechanization of agriculture.

#### **III: Category - Best Product Exhibition**



Nutraceuitical Rich Organic India Pvt. Ltd

The organisation's team is focusing on processing of millets and traditional rice varieties as modern super food grown by tribal communities. They are working in partnership with Dantewada, Chhattisgarh based tribal farmer producer company with 1500 member farmers. Company is also working with ten organic farmers of Betalghat, Nainital and Uttarakhand. Millets and rice of these farmers are the healthiest options available for urban consumers. Company has also innovated and developed different varieties of millet cookies



Vijayshree Soya Products

They are doing a great job in offering a scrumptious and exotic range of Soya Products like soy-milk, soy-paneer, soy-powder, etc. They offer fresh and pure products, which are very healthy for consumption and have high nutritional value. Ensuring quality is the number one mantra of the company. All their soya products have been appreciated for high quality.



**Krishi Bio-Products** 

Krishi bio-products and research private limited is working with a mission to provide low-cost, eco-friendly and quality bio-products to each and every farmer for establishment of sustainable agriculture. Their Product Range includes Bio-fertilizers, Bio-pesticides, Micronutrients, Plant growth regulators, Botanical extracts, etc. They also offer services like farmers help line, students training, soil testing, consultancy for organic farming.

#### IV: Category - Government Officials



Mr. Vijay Agrawal

He is working excellently for promoting food processing units in Madhya Pradesh. He has encouraged farmers, farmer organizations to setup food processing units availing the financial assistance of government. He offered to extend all possible help to everyone interested to avail the benefits of government schemes.



Mr. Naveed Hamid

He has been awarded for his significant research contribution in the field of agribusiness/value chain for enhancement of profitability for small and marginal farmers of Jammu & Kashmir. Naveed has more than 55 research publications including full length research papers, books, book chapters, research articles etc.

#### V: Category – Outstanding Academia



Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior

The University is doing a great academic job in imparting education, conduct research and extension activities for enhancing productivity, optimization of profit and sustainability of agriculture and allied sector and improving rural livelihood in the state of Madhya Pradesh.



Nanaji Deshmukh Veterinary Science University, Jabalpur

They are working excellently in imparting education in different branches of veterinary, fisheries and allied sciences, also providing for the advancement of learning and prosecution of research in veterinary and fisheries sciences and undertaking the extension of such sciences to the rural people in co-operation with the government departments concerned.

#### VI: Category - Outstanding Farmers Organizations



**Pratibha Farmer Producer Organization** 

They worked extensively to boost agriculture and allied services by providing and helping with specialized and personalized business oriented services and products to farming community, ensuring supply sufficiency, high value quality of farming and production operations.



Kissan Bhari Agro purpose cooperative society ltd.

The management of this society is enriched with the education and wide experience of more than 25 years in the field of organic farming and has proven track record to accomplish their distinct duties for the farmers' welfare, enhancement of productivity yield and product quality, implementation of organic farming procedures, farmers training and education, improvement in product price. They facilities created production. have for processing and supply chain for herbal produce to directly link the farmers with market.



RLY. Koduru Prakruthi Farmer Producer Organization Ltd.

G. Venkata Rama Raju has started this FPO in the year 2012 in Cuddapah district of Andhra Pradesh. He was a soldier by profession, later he became a progressive farmer. He has participated in 1962 china war, 1965 Pakistan war, and 1971 Bangladesh war and received 5 service medals. He has received multiple appreciations for his Diversified Agriculture, Horticulture And Animal Husbandry by Andhra Pradesh govt.

#### VII : Category - NGO



Lalita Krishi Vikas Anusandhan Kendra

The aim of Lalita Krishi Vikas Anusandhan Kendra is to rejuvenate the vedic science of agriculture and create sustainable way to feed the entire globe and make the farmer an Agripreneur. They create business foundations necessary to make farming the best profession and Kisan an Agripreneur. Their team is composed of agricultural experts, engineers, social workers, experts of vedas and the farmers. Company works together with NGOs and agricultural research institutes to establish sustainable agriculture.



7 Crop Foundation

They have adopted multi-layer organic farming in their farm. So far they have cultivated and harvested ginger, green leafy vegetables, bitter gourd, pigeon pea, papaya and paddy in their farm. They sell their farm produce directly to the end consumers. They have been successfully working towards making society to be free of poison hidden in food and also connecting young men/ farmers and enabling them to share the knowledge among themselves and benefit each other.

#### **VIII: Category: Outstanding Startup**

#### (a)Production



Vikram Mushrooms, Betul

Vikram Mushrooms is founded by Ram Kishore Kahar. He has a rags-to-riches story. Ram Kishore mainly focuses on mushroom seed production, scientific cultivation and marketing. He produces eight crops of mushroom every year. Today he can boast of an annual turnover worth lakhs of rupees by supplying mushroom and mushroom seeds to traders and cultivators. Earlier he used to be a daily wager. Now, the situation is quite different and he is in a position to provide the means of earning livelihood to other needy persons.



Vanproz Agrovet LLP

Vanproz is an agricultural biotechnology start up based in Bangalore with research facility at CCamp (GKVK university) and production facility at Peenya. It is a first mover in viricide solution (patented technology) against viral disease in plants. All of their products are organic certified by IFOAM International. Currently they are serving India, Egypt and Mexico.

#### (b) Food Processing



Ms. Mamta Madhvi

She is working for custard apple pulp preservation in tribal villages of Chhindwara district. According to her, custard apple is a seasonal fruit which is available for 1-2 month only, but preservation helps to give the fruit pulp an extended life of 6-8 months and it can be used by Ice-cream Industry and other Catering Services. Due to her startup, villagers are getting money for their fruits as well as of getting job pulp preparation preservation. This helps in increasing farmers' income.



Ms. Arti Verma

She is doing a good job in making ready-to-eat products from micro-millets like Kodo, Kutki which contain high nutritional value. She and her team of tribal women are doing the entire food processing of these products.

### (c) Agriculture Services



Source Trace Systems India Pvt Ltd.

Source Trace mobile applications provide complete visibility from field to market and track the value chain at the source – even in remote, low bandwidth environments. Their product eService everywhere (ESE<sup>TM</sup>) helps to capture all interactions at the touch-points of the smallholder farmers at the field level for enhanced traceability and improved accountability of the value chain.



Agricx Lab Pvt Ltd.

Agricx is a Startup India recognized company which provides quick, accurate, portable and easy to use quality assessment tool that takes the subjectivity out of quality assessment and makes every transaction smoother and lossless. Agricx digitalizes the procurement process and automates the supply chain decision making. Agricx is also working with some large MNC's on development projects for glucose, sucrose, pesticides and external defects.

#### IX: Best Speaker



Mr. V.N. Athawale

He worked as a Consultant in Small Farmers Agri-Business Consortium (SFAC), Pune. He has done an excellent work in providing training assistance to FPOs/FPCs so that they can enhance viability and sustainability along with increasing their credit worthiness through SFAC schemes. He offered his services to FPOs/FPCs for submitting applications and expediting them, so that they can avail maximum benefits of supporting schemes of SFAC.



Dr. Asha Upwanshi

She is the first women officer appointed as a Deputy Director in Department of Horticulture and Food Processing (M.P.). She made her great contribution in spreading awareness for organic farming and food processing among farmers. She is also doing an amazing work on horticulture crops for better livelihood of farmers. She is especially putting her efforts on high value crops such as cashew plantation, floriculture, cocoa plantation, etc.



Mr. S.S. Bisen

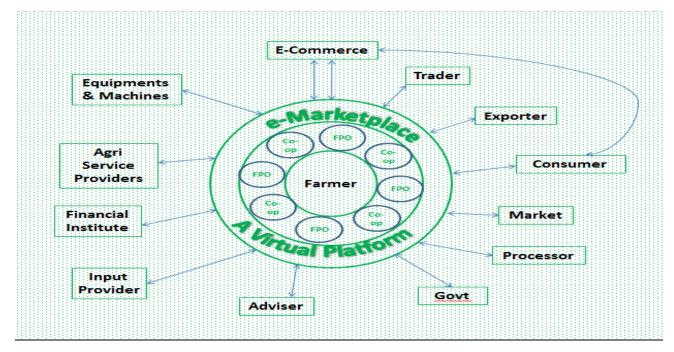
He has 34 years of extensive experience in research & development of Non-timber forest products (NTFPs) nationally internationally. His research work helps resolve questions surrounding management, harvesting, production and marketing of highly demanded non-timber forest products (NTFPs). His area of interest also includes business opportunities and innovation required Herbal Industry, organic cultivation medicinal plants, ultra structure of wood & wood products etc.

# 8. WWW. FPOASIA.COM, OUR E-MARKETPLACE AGRICULTURE PORTAL

- It is a virtual platform for providing single window solution pertaining to product, services & expertise for agriculture, agribusiness and food-processing sectors.
- The services of FPOASIA portal are designed to ensure availability of quality products, services and expertise at farmer's and entrepreneur's door step.
- It provides B2B and B2C m-marketplace for commercialisation of innovative product & services, product sale/ purchase, agri-services, food processing solutions, logistics solutions and marketing services.
   www.Fpoasia.com Our E-marketplace Agriculture Portal

#### Benefits to join fpoasia.com

- One stop solution for farmers,Fpo / Fpc's,Co-operatives, agriculture & food industries
- e-marketplace for buyers, sellers, farmers, experts, service providers, traders & processors
- Single platform to connect collaborate, exchange & transact between stakeholders
- Efficient & quick way to expand your market, brand and profile
- Single platform for end-to-end, farm to plate agriculture solutions





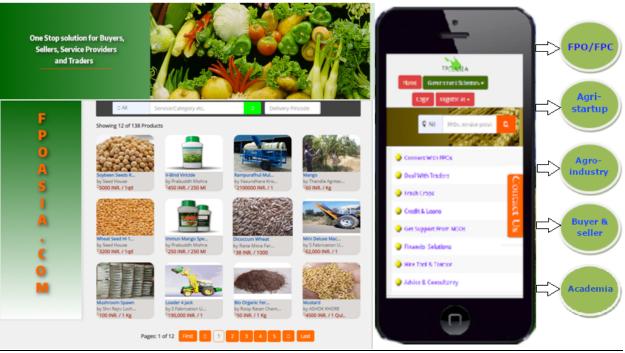
#### Asian Consortium of Farmers Producer Company Ltd.

Bringing Innovation in agriculture agri-business & food processing



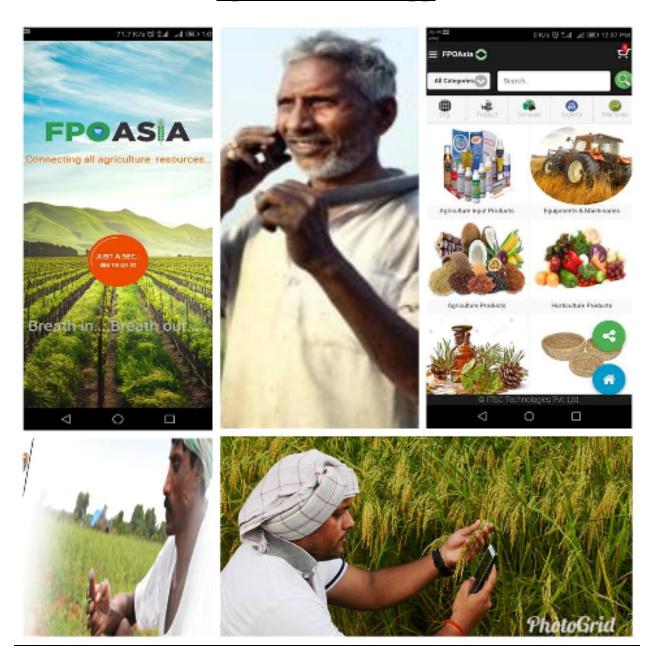


Register Yourself and connect with agri business opportunities





# Fpoasia Mobile App



## 9. ACFPCL AMABASSADORS

The farmers, farmer organizations, startups, rural youths are required lots of support and facilitation services to excel in their respective activities. Agribusiness and food processing required to be popularize among the farmers and farmer organization but it requires lots of volunteering efforts for identification of suitable business models and integration of the stakeholders of the business models with the farmers and farmers organizations. The Krishi Manthan Program recognizes such capable volunteers willing to extend their knowledge to betterment of the farming community and rural prosperity. The volunteers willingly extend their services to these people to encourage their initiatives and support them in term of knowledge, technologies, linkages and support services.

Sr.no	NAME	PLACE	EXPERTISE
1	Mr. Naveed Hamid	Jammu-Kashmir	Green Agri - Business
2	Mr. Dev Bharadwaj	Himachal Pradesh	Production & Marketing
3.	Mr. Ashok Burman	Haryana & Punjab	Agriculture Services
3	Mr. Prabuddha Mishra	Banglore	Organic Production & Organic Input
4	Ms. Pragati Gokhle	Nagpur	IT in Agri - Business (portal services)
5	Mr. V. N. Athawale	Pune	Integration with SFAC / Nabard scheme
6	Mr. Akash Chourasiya	Sagar	Multi-Level Organic Farming
8	Mr. Bhisham Thakkar	Delhi	Supply chain, Agri - Business, International Trade
9	Ms. Pratibha Shukla	Bhopal	Commodity, Marketing& Food Business
10	Mr. Ajay Mishra	Gwalior	Organic Production of medicinal plant & processing, Marketing

#### **Reviews/Comments**

I experienced a good platform to raise profile and generate brand awareness. It was an amazing platform where you bought together various dignitaries from the sector and we all are going back with so much of learnings. So a big thumbs up to entire team of ACFPCL.

- Tanager International

It was my pleasure to hear such wonderful speakers during the conference. The points covered were interesting and I returned with ideas new and approaches that make me more effective and efficient at work.

- Mr. Naveed Hamid

It was a great way to meet potential new customers, suppliers and to learn more about competitors. Meeting in person with potential customers really helped me to start building marketing lists, building relationships and generate qualified sales leads.it was a memorable experience.

-Mr. Ashok Burman

It was a beautifully organized summit with the opportunities to gain more knowledge about new tools & equipment, industry best practices & standards. The good mix of topics presented was very beneficial for the participants. I really enjoyed the opportunities for interaction with experts.

- Mr. Bhisham Thakkar

# 10. MEDIA COVERAGE

### कुर्षि गोल्डलाइन

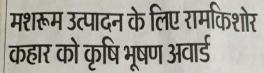
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#### राष्ट्रीय कृषि व्यापार सम्मेलन २१ व २२ दिसम्बर को भोपाल में



भोपाल। राज्य कृषि विस्तार एवं प्रशिक्षण संस्थान भद्भत्य रेड वरखेड़ीकला भोपाल में राष्ट्रीय कृषि ज्यापार का चतुर्थ संस्करण 21 से 22 दिसम्बर को आयोजित किया जा रहा है। महिला उद्यामी प्रतिभा तिबारी व बताया कि इस सम्बेशन का पुरुष उद्देश्य कुषकों को उनके उत्यादी का व वात्र के अनुरूष कियान का पुरुष कुषकों को उनके उत्यादी का के अनुरूष कियान, कियान संस्था, कृषि उत्यादी का के अनुरूष कियान, कियान संस्था, कृषि उत्यादी का वोत्र को संस्था कियान एवं बाजार में तो थे एक साथ लाकर उनने आपकी सहनीय को बढ़ाया देना है, ताकि उनकों कृषि से संबंधित नवीनतम तकनीकी, नजीनतम एवं बाजार में तोची पहुंच का लाभ निल कर्षे । सहनीय के अवस्था का प्रतास क्षात्र के अनुरूप के कृषि, कृषि उत्याद बढ़ाने में सर्वार्थ में कृषित कृषि, कृषि ज्यापार बढ़ाने में सर्वार्थ में कृषि, कृषि ज्यापार बढ़ाने में सर्वार्थ के स्वार्थ में कृषि, कृषि ज्यापार बढ़ाने में सर्वार्थ के स्वर्ध कराने में सर्वार के अवस्था राज्य का वातावरण निर्मत करने की दिशा में भी कार्य करेगा। इस आयोजन में ऐसे नवाचार को कृषि पूरण सम्मान भी दिया जाएगा, जो कि किसानों, किसान सरक्षाओं एवं नव उद्यामयों को अधिक स्वरूप स्वर्धक में स्वरूप में स्वरूप के स्वरूप में स्वरूप में स्वरूप के अधिक त्याप के अधिक स्वरूप में स्वरूप के प्रत्य के स्वरूप में स्वरूप के स्वरूप क





भारकर संवाददाता शाहपुर

सिलपटी गांव में साधारण मछुआ परिवार के रामिकशोर कहार को मशरूम उत्पादन करने का प्रशिक्षण देने और ग्रामीण परिवारों को इस व्यवसाय से जोड़ने में दिए योगदान पर कृषि भूषण अवार्ड से सम्मानित किया गया। यह सम्मान उन्हें हाल ही में भोपाल में राष्ट्रीय कृषि व्यापार शिखर सम्मेलन सी. एट में नाबार्ड के जीएम डीएस शाहपुर। पुरस्कार से सम्मानित चौहान, पीसी शर्मा, तथा एशियन मशरूम उत्पादक रामिकशोर कहार। 15 हजार लोगों को मशरूम कंसोर्टियम ऑफ फॉर्मर्स प्रोड्यूसर रामिकशोर कहार ने बताया कि एक मशरूम तैयार कर रहे हैं।



कंपनी के अध्यक्ष द्वारका सिंह ने से डेढ़ माह में मशरूम तैयार हो और अन्य शासकीय कार्यक्रम प्रदान किया। इस सम्मेलन में देश जाता है। इसकी लागत प्रति किलो को प्रशिक्षण दे चुके हैं। सिलपटी और प्रदेश की अनेक संस्थाओं, 25 रुपए और मार्केट में दाम 100 में जीविका स्वयं सहायता महाविद्यालयों और विश्वविद्यालयों रुपए प्रति किलो है। प्रोटीन बहुल, समूह मशरूम के व्यवसाय में के विशेषज्ञों, विभिन्न प्रदेशों से पहुंचे रक्त अल्पता, डायबिटीज वालों के अपनी पहचान बना चुका है। उन्नत कृषकों और उद्यान विभाग लिए बेहद फायदेमंद होता है। अभी इसमें भूसा, पानी जैसे आसानी के वरिष्ठ अधिकारी मौजूद थे। पानी की कमी के चलते कम लोग से मिलने वाले संसाधनों की

#### खेती के साथ कर सकते हैं मशरूम उत्पादन

कृषि भूषण अवार्ड से सम्मानित रामिकशोर कहार का कहना है कि मशरूम का कारोबार किसान, ग्रामीण, महिला समूह और बेरोजगार युवा साइड बिजनेस के रूप में अथवा वृहद स्तर पर आसानी से कम लागत में कर सकते हैं। अब तक वे देश के विभिन्न प्रांतों में लगभग तैयार करने नाबार्ड, कृषि विभाग



नवीनतम ज्ञान एवं बाजार में सीधी पहुंच का लाभ मिल सके।

7006831280/7694009605. Through such technological interventions for traditional farming & entrepreneurial efforts, Kashmir is taking a leap towards developmental transformation.





www.fpoasia.com is a virtual platform for providing single window solution pertaining to product, services and expertise for agriculture agribusiness and food-processing sectors

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here is always an issue of reach & feasibility for farmers & entreper from the FROMTHE PROMAIN PORTAL and a feet and force the readble of agriculture, agribusiness and food-processing sectors by dequately utilising the impartances in digital made in market in the product & services, product as services product as services, product as services product as services product as services, p

# SAVE THE DATE



Krishi Manthan Dec - 2019.....



#### Who we are

Tanager, an ACDI/VOCA affiliate, is an international nonprofit that brings people together at the table, on the ground, and across agriculture supply chains to cocreate economic and social opportunities that change lives.

Tanager works to make agriculture work better for deserving farmers worldwide.

Established: 1993 Experience: 140+ countries

Offices: Burkina Faso |Colombia| Ghana

Honduras Indial Kenya

#### What we do

Businesses want reliable supply chains and capable workforces. Smallholder producers and youth want opportunities in the global economy.

We align interests to co-create shared solutions that overcome market challenges and unleash the untapped potential in supply chains.

Together, we connect, analyze, and implement market solutions that benefit buyers, producers, and workforces, as well as their families and communities.

#### Connect

We bring the right people to the table and make sure every voice is heard, linking small holder producers to major consumer brands and everyone in between. We connect with foundations, the private sector, government agencies, and other stakeholders to achieve common objectives.

#### Analyze

We combine the technical expertise and business perspective to assess markets, analyze supply chains, and pilot new technologies and tools. We put promising business models to the test and shed light on issues critical to market success.

#### Implement

We are a flexible implementing partner with a track record of delivering results in complex, dynamic environments, the combination of our global expertise and on the ground presence brings the last-mile experience crucial to sustainable market solutions.

6/178 B, Vipul Khand, Gomti Nagar, Lucknow. U.P. (226010) www.tanagerintl.org | 0522 4954751