

# ANNUAL REPORT 2022-23



# AYURVET RESEARCH FOUNDATON



INTEGRATION OF LIVESTOCK & AGRICULTURE  
FOR SUSTAINABLE DEVELOPMENT

# ARF: ISO 9001 2015 CERTIFIED ORGANIZATION



National Accreditation Board for  
Testing and Calibration Laboratories

## CERTIFICATE OF ACCREDITATION

### ARF TEST HOUSE

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

PANIPAT GOHANA ROAD, 28.5 KM, NH 71A, VILLAGE CHIDANA, TEHSIL GOHANA, SONIPAT,  
HARYANA, INDIA

in the field of

**TESTING**

Certificate Number: TC-10152

Issue Date: 21/12/2021

Valid Until: 20/12/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Identity : AYURVET RESEARCH FOUNDATION

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer

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## PROFILE

<b>Name of the Organization</b>	<b>Ayurved Research Foundation</b>
Registered Office Address	4th Floor, Sagar Plaza, Dist. Centre, Vikas Marg, Laxmi Nagar, Delhi-110092
Corporate Office Address	Unit No. 117, First Floor, KM Trade Tower, Plot No. H-3, Sector 14, Kaushambi, Ghaziabad, U.P.-201010
Field Office	Village-Chidana, Tehsil-Gohana, Dist. Sonipat, Haryana-123301
Phone Number	0120-7100201
Website	www.ayurvedresearchfoundation.com
Name & Designation of Chief Functionary	Mr. MJ Saxena Managing Trustee
<b>Registration Details</b>	
Trust Registration No.	21973
Principal Act and By Law by which organization is governed	Indian Trust Act, 1882
Act under which registered	“Deed of Trust” dated November 16, 2005, Registered at New Delhi under the Registration Act 1908
FCRA No.	231661424
National CSR Hub Code	B/04/13/09/323
Income Tax	Section 12A
Income Tax Exemption	80G
Recognized by Department of Scientific & Industrial Research (DSIR)	Certificate No. F. No. 11 / 707/ 2016-TU-V
<b>Auditors</b>	Sandy Associated Chartered Accountants 104, Delhi Chamber, Delhi Gate, New Delhi-110002
<b>Banks</b>	ICICI Bank Canara Bank Punjab National Bank



## Chairman's Message

It gives me immense pleasure in presenting the ARF Annual report for the year of 2023. It is the 15 th consecutive year of its publication. I appreciate the efforts of team ARF for taking up the innovative projects related to medicinal plant, multilayer farming and integrated farming aimed towards rural development sustainability and improving farm income. The approval of Cluster Based Business Organization (CBBO) projects by NAFED in Maharajganj (Eastern UP) needs special mention.



During the year, Ayurved Research Foundation worked towards integration of livestock and sustainability for “One Health”. The initial results of the collaborative projects with DBT Biorationals on indigenous cows have shown encouraging results, which in future may help in enhancing the soil fertility and yet reduce the use of synthetic fertilizers.

The FPOs in the state of Uttar Pradesh (UP) & Haryana have been benefitted by demonstration through sustainable integration of agriculture and livestock. The farmers have appreciated the efforts taken by ARF R&D Centre to test their soil, milk, water and feed ingredients helping them to produce quality and healthy food. The project on upliftment of reproductive and health status of indigenous cattle female calf has yielded positive response in demonstrating the benefits of proper feeding and management.

ARF is confident that they will continue to do their best to earn the trust of the stakeholders and work towards sustainability for value creation.

Best Wishes,

A handwritten signature in black ink, which appears to read 'Pradip Burman'.

Pradip Burman



## Managing Trustee's Message

It is my immense pleasure to present the ARF Annual Report for the year 2022- 2023. Team ARF with its objective for “One Health” has worked closely with the funding organizations & stakeholders to effectively demonstrate the benefits of using technology for value creation.



In the current year, our projects in addition to NABARD were supported by NABCONS and NAFED. The approval of Cluster Based Business Organization (CBBO) projects by NAFED in Maharajganj (Eastern UP) needs special mention. These initiatives include the projects on cultivation of medicinal plants, horticulture crops & livestock farming which demonstrated value creation for the farmers in sustainable manner.

I appreciate the efforts of team R&D to successfully help and guide the farmers by testing their soil, milk, water and feed ingredients helping them to produce quality and healthy food. ARF scientists have published their work in scientific journals and 17 papers were published during this year.

Our collaboration with DUVASU, Mathura, has helped in training and developing the entrepreneurs in the area of animal health & artificial insemination which will go a long way in improving animal health. Our achievements inspire us to continue with our efforts to take the initiatives to next level towards achieving our objectives of “Sustainability” and “One Health”.

I wish to express my gratitude to all the collaborators especially, Department of Biotechnology (DBT), NABARD, Ayurved, Members of ARF Research Advisory Committee, Trustees of ARF and other donors for their valuable support.

Best regards,

MJ Saxena  
Managing Trustee

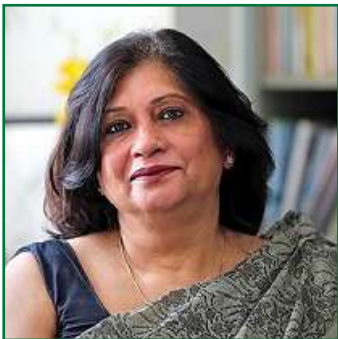
## BOARD OF TRUSTEES



**Mr. Pradip Burman, Chairman:** An alumnus of the world-renowned MIT (Mechanical Engineering). Mr. Burman is the creator of the Trust. Mr. Burman has held several positions in Dabur India before joining the Board of Dabur in 1985. He is currently the Chairman of Dabur Nepal Pvt. Limited (a subsidiary of Dabur India Ltd.) and also serves as a promoter director on the Board of Aviva Life Insurance Co. Ltd. with many awards and honours in his name. He is also the Chairman of Ayurvet Limited and Mobius Foundation and has a passionate interest in social work and creative arts.



**Mr. Mohan Ji Saxena, Managing Trustee:** A gold-medal winning Pharmacy post-graduate from the prestigious Banaras Hindu University. Mr. Saxena retired as Managing Director of Ayurvet Limited. He has an experience of more than 3 decades in service of Animal health and has spent the last 28 years with Ayurvet, serving as the head of R&D before assuming the position of MD, Ayurvet and Managing Trustee, ARF. He has published several papers in reputed Journals and has an unflinching commitment to food safety, Anti-Microbial Resistance, animal health, agriculture, quality improvement in medicinal plants and rural development.







**Dr. Vibha Dhawan, Trustee:** Dr Dhawan is Director General of TERI. For more than three decades she has been actively involved in tree tissue culture and has developed the technique of in-vitro nodulation for the leguminous tree and has been instrumental in setting up of the modern tissue culture laboratory at the institute. She has a number of awards to her credit including: AIBA award in the category of Individual Scientist for the year 1998; Kamal Kumari Foundation award for science and technology for the year 1998; First Biotech Product & Process Development and Commercialization Award of the Department of Biotechnology for the year 2000.



**Prof. AC Varshney, Trustee:** Prof A. C. retired as Vice Chancellor Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwa Vidyalaya evam GoAnusandhan Sansthan, Mathura (U.P.) in March 2016. Prior to that he held the position of Dean, College of Veterinary Sciences and Animal Husbandry, CAU, Aizawl, Mizoram and Dean, College of Veterinary and Animal Sciences, CSKHPKV, Palampur. Dr. Varshney has a brilliant academic record as a student as well as a teacher and scientist, and published 13 postgraduate theses and 160 research articles.

## RESEARCH ADVISORY BOARD

1	<p><b>Dr. Kusumakar Sharma</b>  Chairman-Research Advisory Board  Ayurved Research Foundation (ARF)  Former ADG-HRD, ICAR  New Delhi</p>	 <b>Chairman</b>
2	<p><b>Dr. TP Trivedi</b>  Former Project Director and ADG, ICAR  New Delhi</p>	 <b>Member</b>
3	<p><b>Mr. Mohan Ji Saxena</b>  Former Managing Director, Ayurved Ltd., Delhi  Managing Trustee, Ayurved Research Foundation  Director, Alternative Green Energy Solution Pvt. Ltd.  Director, QCS Herbals Pvt. Ltd., Delhi</p>	 <b>Member</b>
4	<p><b>Dr. Anup Kalra</b>  Director, Corporate Affairs, Ayurved Ltd., Delhi  Director, Alternative Green Energy Solution Pvt. Ltd.  Director, QCS Herbals Pvt. Ltd.</p>	 <b>Member</b>
5	<p><b>Prof. AC Varshney</b>  Ex Vice Chancellor, DUVASU, Mathura</p>	 <b>Member</b>
6	<p><b>Dr. Kuldeep Sharma</b>  Former Director  Directorate of Publication and Information, ICAR, New Delhi</p>	 <b>Member</b>



## Key Highlights

Ayurved Research Foundation (ARF), a Public Charitable Trust duly registered under the Indian Trust Act with its own state of the art DSIR approved R&D Centre. Since 2005, ARF has successfully carried out research and extension activities in the area of food safety, soil and water health, quality control of livestock production, health and nutrition management, better crop cultivation technologies, vermicomposting, trainings of youth and farmers, skill development and empowerment of women.

## Key Activities

### A. Agriculture Extension – Multilayer Farming:

The Ayurved Research Foundation had made a successful effort to educate farmers on Multilayer Farming technique with the support of NABARD. The duration of the project is for two years (Nov 2021 to Oct 2023). This multi-layer farming model project was demonstrated in 10 acres of land, one acre per farmer in three villages of Muradnagar block, Ghaziabad District.

The project model effectively demonstrated an increase in the aggregate production of multiple crops per unit land area. The farmers could generate 2.1 times higher income compared to sugarcane mono farming in the first phase of the project. Efforts of the work done by farmers and ARF team under this project were highly appreciated by government officials.

### B. Product Development for Value Creation – DBT Biorational:

In the year 2022, Ayurved Research Foundation had received the project from Department of Biotechnology under the SUTRA- PIC program. The program focused on upliftment of dry cows of indigenous breed. Through this project team promoted their status by developing a product out of their dung. The management of cow dung and urine is very important for use in organic farming and the environment. This will help to educate the farmers about usefulness of cows and their dung.

### C. Skill Development – Micro Enterprise Development Program (MEDP):

Under Livelihood Entrepreneurship Development Program (LEDP) Project of NABARD, Ayurved Research Foundation provided 10 days detailed oriented training on milk processing and value added by products to 30 women of Self-Help Group (SHG). Training on milk processing and its value addition was delivered by professionals from NIFTEM, AMUL, VIRKA, LUVAS, Krishi Vigyan Kendra, and related subject experts. These women received a certificate and financial support following their training.

### D. Rural Development Projects:

In an effort to increase the income of farmers, ARF implemented various programs. Farmers and milk producers were mobilized for formation and promotion of Farmer Producer Organizations (FPOs) in 7 districts of Haryana and Uttar Pradesh. ARF has conducted different training programs on methodology and benefits of Integrated Farming, Organic Farming, Food Processing, Vermicomposting, Multilayer Farming and Advance Agro Technologies. Assistance have been provided in marketing of their produce at different commercial platforms. Farmers trained gradually under the various programmes to use vermicompost instead of artificial fertilisers. To assist in learning related technology for simple adaption and application, farmers were taken to various agricultural institutes in India.

ARF received a Cluster Based Business Organisation (CBBO) project by NAFED for the establishment and promotion of 5 FPOs in Eastern Uttar Pradesh under the central sector scheme.

### E. ARF Institute of Entrepreneurship Development:

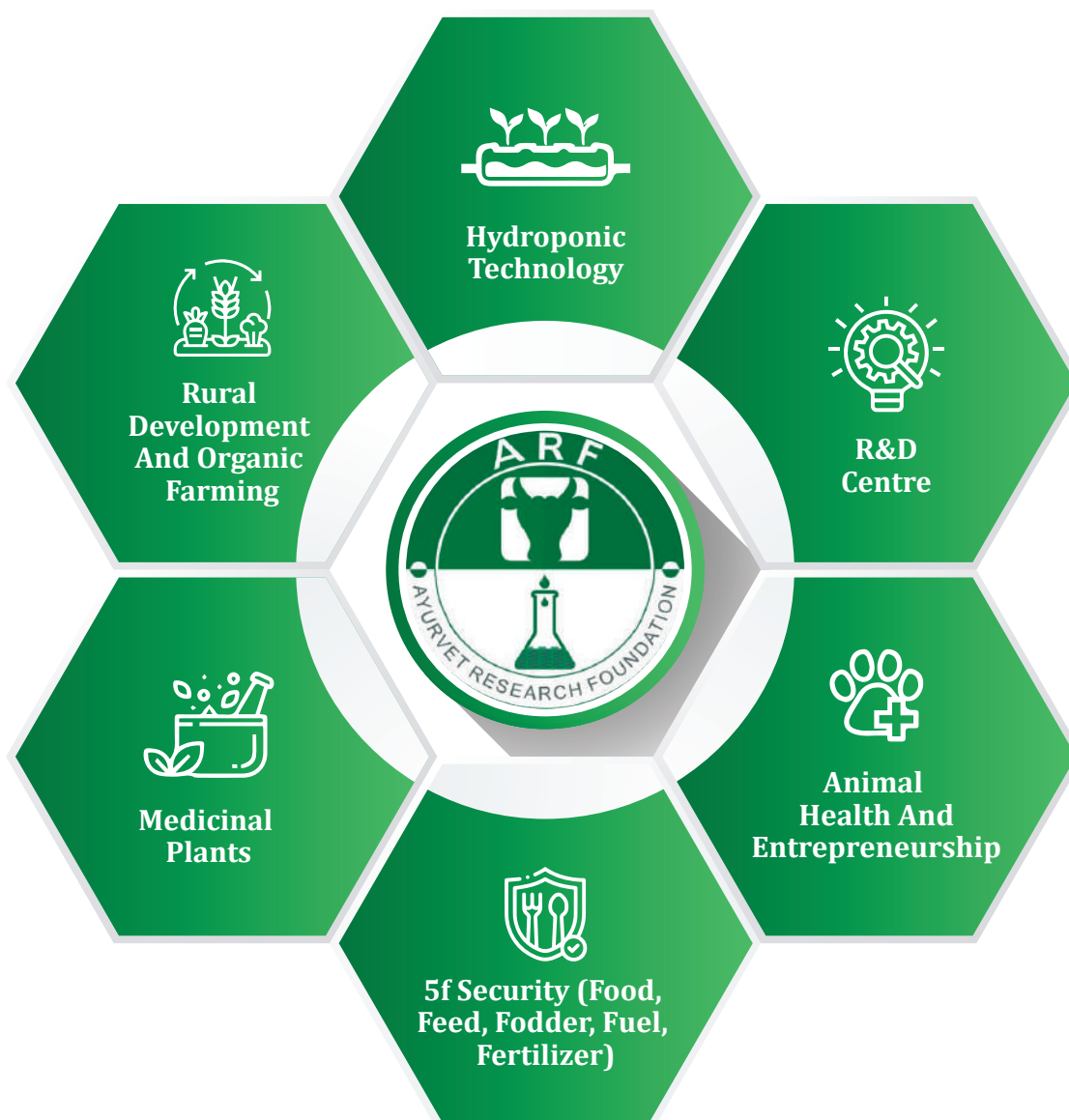
To create livelihood opportunities in rural India, ARF has trained 15 rural youths in AI and dairy farming for three months. Under this programme, youths were trained in both theoretical and practical aspects. Post training, most of the youths have started earning their livelihood by providing healthcare and AI services in their own villages.

## F. Animal Health and Breed improvement programme:

ARF organised 15 farmer meetings to create awareness to get the maximum production with minimum input cost. ARF promoted artificial insemination to upgrade the breed of the animals to improve the total production & productivity of individual. Total 1850 artificial insemination were performed with the use of semen of genetically superior bulls of cattle & buffalos. After the pregnancy diagnosis of the inseminated animals, 1073 animals were found pregnant i.e., 58% conception rate.

## G. ARF Test House:

ARF Test House was successfully accredited by NABL. ARF Test House is the commercial arm of Ayurvet Research Foundation. In its first phase it is undertaking testing of soil, water, animal feeds and herbs. More than 600 samples of nearly 50 samples were analysed and reports shared. Successfully cleared the 1st surveillance audit conducted by NABL for meeting the regulatory compliance of testing.



## KEY AREAS OF INTERVENTION

## Governance

Ayurved Research Foundation is governed by Board of Trustee(s) headed by Sh. Pradip Burman, Chairman. The research programme and extension activities conducted by the organization were regularly reviewed by Board to ensure fulfilment of its vision and implementation of objectives.

Our research programs were undertaken as per guidance from Research Advisory Committee headed by Dr. Kusumakar Sharma (Former

## Audits

Internal and statutory audits are conducted and submitted to Board of Trustees.

## Regulatory Financial Compliance

Ayurved Research Foundation is registered under Section 12A and 80G of Income Tax Act 1961, and adheres to all legal requirements.

### 1. Research and Development Centre

Ayurved Research Foundation R&D Centre has been recognized as a SIRO (Scientific and Industrial Research Organization) by the Department of DSIR, Ministry of Science and Technology, to conduct research in the areas of food safety, agriculture, hydroponics, AMR, animal health and nutrition, medicinal plants, soil and water health, waste to wealth management etc. R&D Centre is well equipped with 56 modern instruments. In order to strengthen and streamline the processes, centre complied with ISO 9001:2015 guidelines, for which it was certified.

#### 1.1 Research projects for the industry/ institutions:

With the aim of providing high-quality raw materials and safe food production, ARF undertook a number of initiatives involving the industry and allied stakeholders. These projects focused on animal feed, herbal raw materials, and soil health management with the objective to provide quality raw materials and safe food production.



ISO 9001 : 2015 certification

#### 1.1.1 Project Title: To evaluate the presence of Aflatoxin Metabolites AFM1 in packaged and raw milk samples

**Duration:** 12 months (September 2021 – November 2022)

**Objective:** Detection and quantification of Aflatoxin Metabolites AFM1 in packaged and raw milk samples in the districts of Sonipat and Panipat using ELISA technique.

Milk is a highly nutritious food containing many essential nutrients such as high-quality proteins and fats that are essential for the growth development and maintenance of human health. In 2020, India consumed over million tons of cow milk worldwide. Apart from microbiological and insecticide contaminants, mycotoxins comprise an important but neglected food safety issue concerning to milk and dairy products. Aflatoxin M1 is one of hazardous contaminant in both pasteurized and raw milk. It is a hydroxylated metabolite of AFB1, that is excreted in milk in mammary glands of both humans and lactating animals. When ruminants are fed with contaminated feed, the Aflatoxin B1 consumed by

the animals in partly degraded by the forestomach before reaching the circulatory system. The remaining part is transformed by the liver into monohydroxy derivative forms mainly AFM1, and other metabolites such as aflatoxicol. It is well reported that AFB1 gets converted into AFM1 and excreted in milk, depending on factors such as the genetics of the animals, seasonal variation, the milking process and the environmental conditions. This project was taken up with the aim to detect and quantify aflatoxin Metabolites AFM1 in approximately 50 packaged and raw milk samples collected from the district of Sonipat and Panipat.



Quantification of Aflatoxin Metabolites AFM1 in milk samples using ELISA

**Result:** It was found that the milk samples were having AFM1 maximum up to 0.32ppb. Different regulatory bodies prescribe maximum permissible limit of AFM1 which varied globally. According to the FSSAI regulation and US FDA standard AFM1 in milk should be less than 500ppt whereas EU prescribed 50ppt.

### 1.1.2 Project Title: Awareness and assessment of Mastitis in Sonipat and Panipat District.

**Durations:** 12 months (April 2022 – March 2023)

**Objective:**

- i. To identify the causal microorganism for mastitis and its sensitivity against antibiotics
- ii. To create awareness about udder health and prevention of mastitis

Mastitis is the most dreaded disease for dairy farmers owing to its impact on milk production, increased treatment, labour and milk loss cost. A study was taken up for identification of the mastitis causing organisms in dairy animals and their sensitivity towards commonly used antibiotics. On recommendation of the veterinarians, around 175 milk samples of suspected cases were collected from villages of district Sonipat & Panipat. These samples were subjected to microbiological investigations to identify its causing organism and its susceptibility to various antibiotics.



Culture sensitivity test

**Result:** Infection was due to presence of *S. aureus* and *E. coli*. Apart from these, there were other causal organisms such as *Pseudomonas* sp., *Candida* sp., *Diplococci* sp., and *Bacillus* sp. Overall, it was found that usage of Enrofloxacin, Ciprofloxacin, Ceftriaxone/ Tazobactam, Cefoperozone/ sulbactam; Oxytetracycline, Neomycin, and Streptomycin were more sensitive than rest of the antibiotics. The cure rate was close to 85%, which was appreciated by the veterinarians and farmers.

### 1.1.3 Project Title: Total Aflatoxin content in raw material of cattle and poultry feed

**Duration:** 12 months (April 2021 – March 2022)

**Objective:** To study the total aflatoxin raw material for assuring the quality feed in different districts of Haryana.

Aflatoxins are secondary metabolites produced by microscopic fungi which show toxic effects on human beings and animals. Mostly *Aspergillus flavus* and

Aspergillus parasiticus are found in feed ingredients such as peanuts, maize, De Oiled Rice Bran (DORB), bajra etc. as a contaminant. The aim of the study was to examine the level of total aflatoxins present in the raw materials of feed to ensure the quality of feed and also quality of main raw materials used for manufacturing cattle feed and create awareness among the manufacturers about the importance of maintenance of quality.



Estimation of total aflatoxins

**Result:** Out of 50 samples, 74 % samples of various raw materials i.e., peanuts, maize, DORB, bajra etc. were found to be in compliance with Bureau of Indian Standards (BIS) guidelines whereas 16% of Maize samples and 10 % of Soya samples were found not to comply. To avoid the adverse effect of the aflatoxin, it has been advised to the manufacturers, to store all raw material in moisture free, airy and ambient environment conditions to avoid fungal contamination.

### 1.1.4 Project Title: Quality assurance of medicinal plants.

**Duration:** 12 months (April 2022 – March 2023)

**Objective:** Evaluation of quality standards to ensure the supply of premium quality material.

The herbal medicinal plants have become popular to combat various diseases. These are used to improve overall health of livestock and human beings. ARF has worked towards establishing the quality standards of herbal raw materials to ensure the supply of premium quality material to various



Quality assurance of medicinal plants

**Result:** Total 226 samples of herbs such as - Tulsi, Kalmegh, Indrayan phal, Brahmi, Bhoomi Amla, Ashwagandha, Kaunch, Moringa, Shatwar, Long Pepper, Kutki, Neem, Salacia, Makoi, Apamarg, Giloy, Daru Haldi, Salai guggul were analyzed as per API specification and for active ingredients using HPLC. 64.6 % of the samples were found to be complying with standard quality specifications, 35.4 % of the samples were found not to comply with respect to parameters water soluble extractives, moisture, total ash, acid insoluble ash.

### 1.1.5 Project Title: Analysis of raw material/ feed on quality parameters for cattle and poultry feed.

**Duration:** 12 months (April 2022 – March 2023)

**Objective:** To analyze the quality parameters of different raw materials/feed used in finished formulations in cattle and poultry feed.



Analysis of feed sample

**Result:** Out of 750 samples such as Soya, Meat and Bone Meal (MBM), Soya DOC, GNE, Maize, DORB etc. 80% samples were found to comply BIS specifications for the parameters crude protein, crude fiber, fat, moisture, ash and acid insoluble ash contents. 20% of these samples were found not to comply with parameter crude protein, fibre content and acid insoluble ash.

### 1.1.6 Project Title: Analysis of soil and water samples.

**Duration:** 12 months (April 2022 – March 2023)

**Objective:** To analyze the health index of soil and water

To maintain the optimal fertility index of soil, farmers are educated to get their soil samples analyzed for various nutritional parameters before sowing. In the month of April 2022-March 2023, 300 soil samples and 75 water samples were analyzed.



Analysis of soil sample

**Result:** Soil samples were mainly found to be deficient in organic carbon, nitrogen and phosphorous. Total Dissolved Solids (TDS) & hardness were high in water samples collected for evaluation.

### 1.1.7 Project Title: Study to determine the quality of commercially available edible, non-edible seeds, their oil and spent.

**Duration:** 2 months (July 2022 – September 2022)

**Objective:** Generation of scientific data to establish edible & non edible oil authenticity

India is one of the largest importers of edible oils as its domestic production is unable to meet its domestic demand. Around 56-60% of the edible oils consumed in the country are met through imports. Vegetable oils and fats have a big contribution in our diet. They are important from nutritional and economical point of views. However, their authenticity is a serious issue. Cheaper oil which is adulterated may also be represented as if it were some oil of greater (pure) oil quality. Adulteration of edible oils with argemone oil, mineral oil, karanja or castor oil causes loss of eyesight, damage to liver, heart problem, stomach infections, or cancer. FSSAI conducted a nationwide survey during 25-27 August 2020 on edible oils to assess oil safety, quality and misbranding in cooking oils sold in the market. The purpose of the survey was to assess the “ground realities” with respect to oil safety, quality and misbranding. Adulteration of edible oil has emerged as a major issue worldwide due to their increasing market demand and the potential profit. It has, therefore, become essential to monitor the purity and quality of edible oils to reduce various risks.



Edible/ Non-edible oils & their spent

One small study was conducted to establish the reference standards of majorly consumed edible oils. Oils (peanut oil, black mustard oil, yellow mustard oil, flax seed oil, soya bean oil, coconut oil, sunflower oil, sesame oil, olive oil, palm oil) were extracted by cold-pressed method (mechanical extraction) using 10 quality tested raw materials (seeds) of each type which also gives spent were and then analyzed for quality parameters of extracted oil.

This indicated that adulterant free edible oils possess values of quality parameters within the defined regulations. This will help in checking adulterated oils.

**Result:** Ten different edible & non edible oilseeds were used to extract and analyze oil samples using cold pressed method which helped in generating in-house specifications (authentic data) for checking adulteration in the different oils available in the market.

### 1.1.8 Project Title: Preparation of biofertilizers-enriched compost along with extraction of high value phytochemicals utilizing medicinal herbs processing solid waste.

**Duration:** 12 months (January 2022 – January 2023)

#### Objective:

i) To develop a microbial consortium for rapid composting of the medicinal herb processing waste.

ii) To develop a microbial consortium of phosphate solubilizing and nitrogen fixing bacteria to simultaneously grow during the composting process.

iii) To identify different high-value phytochemicals present in the medicinal herb processing waste and to develop methods for their recovery.

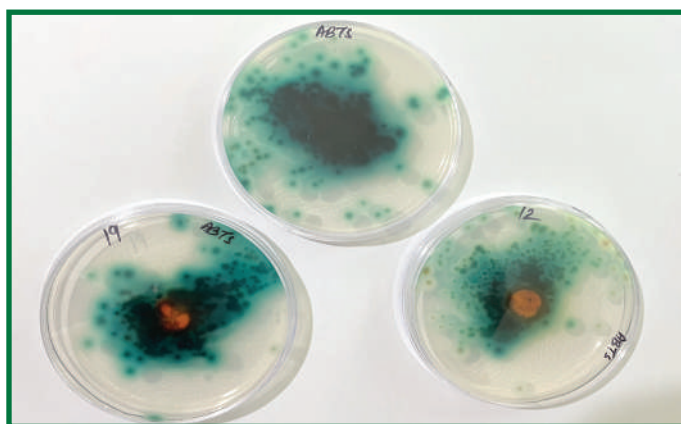
**Funding agency:** DST

#### Collaborating partner: Bennett University, Greater Noida

The solid waste after processing herbal raw material of a variety of medicinal herbs are produced from different herbal industries. The herbal waste consists of cellulose, hemicellulose and lignin that are strongly intermeshed and chemically bonded by non-covalent forces and by covalent cross linkages. It has been generally characterized to contain 28 – 36% of alpha cellulose, 12 – 16% of lignin, 15 – 20% of ash and 9 – 14% of silica, which is recalcitrant for degradation. Degradation of the herbal waste are

highly dependent on cellulolytic and non-cellulolytic organism. The heterogeneity of herbal waste makes it unique substrate for conversion into bio enriched compost. The aim of the study is to develop a technology to rapidly compost this medicinal herb processing solid waste and handover technology to local farmers so that they can take away the solid waste and produce valuable biofertilizer-enriched compost for their agricultural fields.

**Result:** 20-30 microbial strains were isolated and 2-3 best strains were selected based on their enzyme activities. The selective strains produced extracellular lactase enzymes, measured spectrophotometrically with ABTS as a substrate. The preparation of consortium for the rapid composting and recovery of the high value phytochemicals from the herbal waste is under process.



Fungal isolates from different vermicompost

### 1.1.9 Project Title: Evaluation and Development of indigenous cow-excreta based bio-rationals for enhanced plant and soil health

**Duration:** 3 years (Jan 2022 – Jan 2025)

#### Objective:

i) Preparation of bio- compost using Cow excreta of indigenous cows.

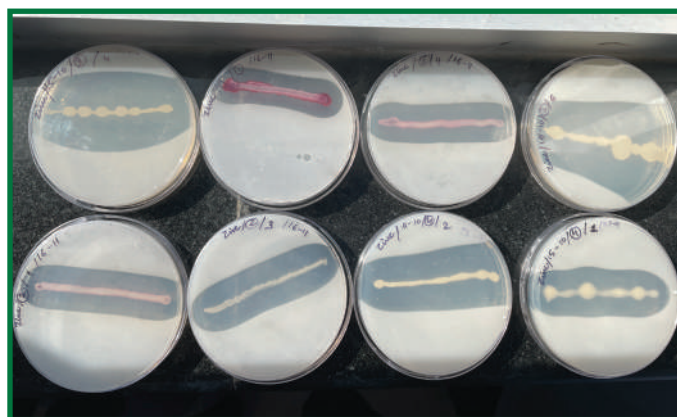
ii) Enrichment of the prepared biocompost using known microbes.

iii) Impact analysis of the biocompost on to the soil health and pathogen.

## Funding agency: DBT

Indigenous cattle breeds are well known for their endurance and disease resistance, such as the Gujrat native breed, which is resistant to tick infestation and mastitis. Similarly, they are tougher and more adaptable to various types of stresses. Nitrogen, potassium, and trace amounts of sulphur, iron, magnesium, copper, cobalt, and manganese are all found in cow dung. The reticulorumen in ruminants is the site where structural carbohydrates such as cellulose and hemicellulose can be digested to a significant degree via microbial fermentation. Bacteria, protozoa, and fungi are the most common microbes found in the reticulorumen, with bacteria and protozoa being the most abundant. It improves soil mineral status, strengthens plant growth, and promotes other beneficial activities such as sulphur oxidation and phosphorous solubilization. Cow dung and its microorganisms have recently been used to remediate heavy metals such as chromium, strontium, and arsenic. A large number of microbial enzymes have been isolated and studied for therapeutic, industrial and commercial applications. The aim of the study is to develop indigenous cow-based excreta biorational for enhanced soil and plant health.

**Result:** Baseline survey was conducted on various gaushalas in the district of Sonipat and Panipat for the actual scenario of the indigenous cow, followed by profiling of indigenous cows. 13 bacterial strains were isolated from cow dung based on their enzyme activities: Zn solubilizing – 12 no., Phosphate solubilizing – 0 no., Nitrogen Fixing – 0 no., Potassium solubilizing – 01 no. The soil samples were also analysed for 12 important fertility parameters i.e., pH, EC, organic carbon, nitrogen, potassium, phosphorous, zinc, iron, manganese, cobalt, boron and sulphur before instalation of polyhouse. Phosphorous and potassium content of biocompost was found to be in medium range and organic carbon was found deficient in comparison to standard specification. 500kg biocompost was prepared & analysed for its chemical and microbiological parameters. Zn solubilizing, Phosphate solubilizing, Potassium solubilizing and Nitrogen Fixing bacteria were found to be present in the biocompost.



Bacteria isolated from the indigenous cow dung

## 2. Animal Health

### 2.1 Calf Bank Project

**Project Title: Upliftment of reproductive and health status of indigenous cattle female calf (Sahiwal, Gir & Haryana).**

**Duration:** 3 Year (June 2021 – June 2024)

#### Objective:

- i) To promote the farmer for rearing of healthy, reproductively efficient and highly productive indigenous cattle.
- ii) To develop the farmers as dairy entrepreneur & improve the socio-economic status by skilling, training for calf raising in scientific manner.

**Agency:** NABARD

**Location:** 8 villages of Sonipat district

Under the NABARD supported project, 25 beneficiaries were selected with 25 calves of indigenous breeds, among them 15 are Sahiwal, 8 Haryana & 2 Gir breed. With the start of project all the farmers got the training for rearing, feeding, management & good form practices to achieve the desired body weight for the successful conception.



The aim is to get female calf in the next generation by the use of sexed semen. Ayurved Research Foundation is continuously assisting the farmers by regular monitoring of average daily gain (ADG) by monthly body weight examination, formulation of Total Mixed Ration (TMR) based feed, vaccination, quarterly deworming & quarterly fecal test by veterinarian.



Beneficiary of calf bank Project with the calf during the visit taking body weight at door step of calf bank beneficiary

### Outcome:

All the calves are healthy & active, growing to desired body weight pattern 350-500gr/day i.e., ADG (Average daily gain). 15 heifers out of 25 heifers, AI have been done with sexed semen.

- 60% heifers achieved first heat and AI done with sexed semen at the age of 15 – 22 months.
- 27% of serviced heifers were observed to be confirmed pregnant.



## 2.2 Animal Health and Breed Improvement Programme:

25 animals health camps were actively organised at different villages of Sonipat district through the animal health centre by the efforts of Ayurved Research foundation to provide the essential veterinary services. Total 610 cases were treated in which milk fever, ketosis, repeat breeding, anestrus, dystocia, mastitis & intestinal worm load were very common diseases in field condition. Along with animal health camps ARF organised 15 farmer meetings to create awareness to get the maximum production with minimum input cost. ARF promoted artificial insemination to upgrade the breed of the animals to improve the total production & productivity of individual. Total 1850 artificial insemination were performed with the use of semen of genetically superior bulls of cattle & buffalos. After the pregnancy diagnosis of the inseminated animals, 1073 animals were found pregnant i.e., 58% conception rate.



Animal health camp at Ramgarh, Sonipat Haryana Per rectal diagnosis through the palpation of foetus of suspected cow to ensure the pregnancy during the animal health camp.

## 2.3 Waste to Wealth Management

Ayurved Research Foundation is working on the motto of '5 F' i.e. food, feed, fodder, fuel & fertilizer. ARF has demonstrated and trained the farmers for utilization of the animal waste as a fuel (bio gas) & fertilizer (vermicompost).

## 2.4 Biogas

To fulfil the huge demand of fuels which is increasing day by day, ARF has been promoting the utilization of dung of dairy animals as a raw material for the bio gas synthesis. ARF has demonstrated the bio gas technology for awareness & adoption of the farmers which is totally eco-friendly technique, where anaerobic bacteria convert the waste excreta into biogas which can be utilized as fuel for cooking, lightening. ARF has been utilizing the bio gas for the Hydroponics fodder production & slurry of bio gas plant in the vermicompost.

## 2.5 Vermicomposting

Vermicompost is one of the very good options to convert waste into wealth in rural India, where disposal of animal excreta is a big problem. Nowadays, it is the opportunity for the entrepreneurship in the vermicompost with the integration of dairy sector. ARF provided the training to the farmers for waste management of animal waste which turned into highly fertile manure with richness of humus, nutrients & minerals that improves the soil health and water holding capacity.

The domestic production in the last 12 months has been 36 tonnes and sold to farmers. According to experts, 36 tonnes of vermicompost is sufficient for 52 acres of land, it provides nutrition equal to 12,850 kg of DAP, which saves the farmer Rs 43,690.

## 3. Research & Projects

### 3.1 Multilayer farming- NABARD

**Project Title: Demonstration of Multilayer-Farming model among farmers of Muradnagar Block of Ghaziabad for increasing their income and optimum utilization of the decreasing agricultural land due to urbanization**

**Duration:** 2 years (Dec 2021 to Nov 2023)

**Agency:** NABARD

**Location:** Muradnagar Block, Ghaziabad

**Number of beneficiaries:** 12

#### Objectives:

- i. Demonstration of multilayer farming and create awareness among farmers for crop cultivation, new methods and technology.
- ii. Demonstration of optimum utilization of decreasing Agricultural Land due to rapid urbanization.
- iii. To improve the socio-economic status of the farmer.

#### Project details:

Under Multilayer Farming Model in Muradnagar block of District Ghaziabad in Uttar Pradesh. 10 demonstration units of one acre each were set up in three villages namely Rawli Kalan, Kunheda and Surana. The beneficiaries under this project were selected after a proper baseline survey in all the villages. To educate farmers five awareness meetings were conducted on multilayer farming in Muradnagar block where in total of 75 farmers participated. One-day training programme was organized at Surana village of Muradnagar block where 40 farmers were encouraged to adopt multilayer farming technique.

#### Objectives:

- i. All the beneficiaries have earned a very good profit and attained a benefit cost ratio of around 2.82:1 in first crop cycle.
- ii. The project model effectively demonstrated boosting of aggregate production of multiple crops per unit land area and income of 2.5 times higher as compared to sugarcane monocropping.
- iii. Water saved was 30% as compared to sugarcane monocropping
- iv. Soil pH level moved from alkaline state towards neutrality by 0.2-0.3 units



Demonstration field-Jaiveer, Surana



Project Awareness Meetings

### Media Coverage:

The one-day training program at village Surana and the success stories of multi-layer farmers under the project were covered by DD Kisan.



Success story of our multilayer farmer covered by DD Kisan

### 3.2 Capacity Building & Adoption of Technology (CAT Visit)

**Project Title: Technology transfer to the farmers under Capacity Building for adoption of Technology (CAT) for farmers of Ghaziabad District.**

**Duration:** 3 Days (Sep 07 – 09, 2022)

**Agency:** NABARD

**Number of Beneficiaries:** 25 farmers

The need for widening the horizon of new Agro-technology was deeply felt and with this vision an initiative of CAT programme was undertaken to expose the farmers to innovative farming techniques, and also aid in doubling their farm income. ARF in collaboration with NABARD had successfully conducted a CAT exposure visit for 25 farmers from Bhojpur block, Ghaziabad district, UP. Farmers visited ICAR-IISR (Indian Institute of Sugarcane Research), Lucknow and learnt various new sugarcane crop cultivation techniques, methodologies and preparation of value-added products from sugarcane juice. The event was covered by Dainik Jagran Newspaper.



Visit of DDM and KVK scientists to multilayer farming field



3 days exposure visit at ICAR-IISR, Lucknow  
Training session for the farmers

## 4. Rural Development

### 4.1 Project Title: Formation and promotion of farmer producer organizations

**Duration:** 3 years (July 2019 - July 2022)

**Agency:** NABARD

**Area covered:** 30 villages of Sonipat & Panipat



Under NABARD sponsored scheme, Ayurved Research Foundation as POPI (Producer Organization Promoting Institution) has been promoting 6 FPOs on organic farming, milk processing, vegetables, mustard oil in district Sonipat and Panipat.



MOBIUS Foundation CEO Mr. Ram Bhuj and  
Mr. Mohan Ji Saxena visited FPO site

Name of FPO	Year of Registration	Scope of work
Pragatisheel Organic Producer Co. Ltd., Didwari Panipat	2019	Organic Rice, wheat and Vermicompost production
Young Milk Producer Co. Ltd., Chhichrana, Panipat	2019	Vegetables, Mustard oil and Honey production
Gangana Organic Producer Co. Ltd., Gangana, Sonipat	2019	Vegetables, wheat and paddy production (Organically); Input shop (Fertilizer,
Balaji Organic Producer Co. Ltd., Kasandi, Sonipat	2019	Market committee license; Organic wheat & rice production; Custom Hiring Centre
Chhirsagar Milk Producer Co. Ltd., Barota, Sonipat	2019	Milk, Input supply (fertilizer pesticides, Seed)
Sarva Vikas Producer Co. Ltd., Putthi, Sonipat	2019	Vegetables Production; Custom Hiring Centre

### Outcome:

1. Business Development Grant has been received to expand their business.
2. Organised awareness meetings to increase the membership .

### 4.2 Project Title: Formation and promotion of farmer producer organization

**Duration :** 3 years (Dec 2022 – Dec 2025)

**Agency :** NABARD

**Area covered :** 10 villages of Karnal

Under NABARD sponsored scheme, Ayurved Research Foundation as POPI (Producer Organization Promoting Institution) has been promoting 2 FPOs on milk processing in district Karnal.

Name of FPO	Year of Registration	Scope of work
Dairo Greens Producer Co. Ltd., Rindal, Karnal	2023	Milk processing.
Shiv Gorakh Farmers Producer Company Ltd., Gharaunda, Karnla	2023	Milk processing.



Workshop on Business Development of FPO

### Outcome:

Organized baseline survey & awareness meetings to increase the membership.

### 4.3 Project Title: Formation and promotion of farmer producer organizations

**Duration:** 3 years (Aug 2021 – Aug 2024)

**Agency :** NABARD & NABCON

**Area covered :** 30 villages of Baghpat

Under NABARD sponsored scheme, Ayurvet Research Foundation as POPI (Producer Organization Promoting Institution) has been promoting 2 FPOs on dairy products, vegetables, mustard oil, spices in district Baghpat.

Name of FPO	Year of Registration	Scope of work
Antral Dairy Farmer Producer Co. Ltd., Tyodhi, Baghpat	2021	Dairy & Products
Pilana Farmer Producer Company Limited, Baghpat	2021	Vegetable trading, Jaggery Production & Processing, Drip



CGM NABARD visited Antral Dairy Farmers Producer Company

### Outcome:

1. Inauguration of Mava production unit.
2. Started their trading of milk products like ghee, khoya burfi, and sweets.
3. Started their trading of vegetables, Jaggery & spices.
4. Pilana FPO is working as drip irrigation agency dealership and installing farmers fields with 80% subsidy with the help of horticulture dept.
5. Costume hiring centre (CHC) received from Agriculture department along with 80% subsidy.

### 4.4 Project Title: Formation and promotion of farmer producer organizations

**Duration:** 3 years (Oct 2022 – Oct 2025)

**Agency :** NABCON

**Area covered :** 10 villages of Aligarh

Under Central Sector Scheme, Ayurvet Research Foundation has been promoting 2 FPOs on Potato & maize production & processing in district Aligarh.

Name of FPO	Year of Registration	Scope of work
Aligarh Potato Seed Producer Company Ltd., Lodha Block, Aligarh, UP	2022	Potato Seed & processing
Gangiri Potato & Maize Processing Company Ltd., Gangiri Block, Aligarh, UP	2022	Potato & Maize Processing



FPO members meeting at Aligarh District

## Outcome:

1. Organizing baseline survey & awareness meetings to increase the membership.
2. Baseline Survey and Diagnostic report has been shared to Lucknow RO, Uttar Pradesh.
3. Trading work started and in the initial stage by FPO

## 4.5 Project Title: Formation and promotion of farmer producer organizations

**Duration:** 5 years (Jan 2023 – Jan 2027)

**Agency :** NAFED

**Area covered :** 50 villages of Maharajganj

Under Central Sector Scheme, Ayurvet Research Foundation as CBBO has been promoting 5 FPOs on vegetables, medicinal plants, banana production, cereal crop & millet production.

Name of FPO	Year of Registration	Scope of work
Agricoin Fed Farmer Producer Company Limited, Partawal, Maharajganj	2023	Vegetables & medicinal plant
Paniyara Fed Vegetable Farmer Producer Company Limited, Paniyara, Maharajganj	2023	Production & marketing
Adigauri Fed Farmer Producer Company Limited, Brijmanganj, Maharajganj	2023	Pesticides, fertilizer, vermicompost & Seeds
Siswa Maharaj Banana & Vegetables Fed Farmer Producer Company Limited, Siswa, Maharajganj	2023	Vegetables and Banana
Sohagibarwa Vegetables Fed Farmer Producer Company Limited, Pakara Chauraha, Maharajganj	2023	Vegetables Production and Bulk marketing



DMC Meeting at Maharajganj District

## Outcome:

1. DMC meeting has been conducted.
2. Organising baseline survey & awareness meetings to increase the membership.

## 4.6 Project Title: Formation and promotion of farmer producer organizations

**Duration:** 3 years (Apr 2022 – Apr 2025)

**Agency :** NABARD

**Area covered :** 10 villages of Saharanpur

Under NABARD sponsored scheme, Ayurvet Research Foundation as POPI (Producer Organization Promoting Institution) has been promoting 2 FPOs on dairy products in district Saharanpur.

Name of FPO	Year of Registration	Scope of work
Iug Farmers cer Company Ltd., h, Saharanpur	2022	Milk Processing, Input Supply (Cattle feed, khal and Choker), Marketing of Mustard Oil
Shakti Farmers cer Company Ltd., Saharanpur	2022	Milk Processing, Marketing of Mustard Oil



Annual General Meeting – FPO Saharanpur

## Outcome:

1. Organised annual general meeting.
2. Conducted exposure visit at BEDF, Meerut; Amul and Harit Milk Producer Company Ltd.
3. Conducted training on branding and marketing.

## 4.7 Crop Diversification through cultivation of medicinal plants – Baghpat

**Duration:** July 2022 – June 2024

**Agency :** NABARD

**Location :** Baghpat

**No. of Beneficiaries:** 25

Under NABARD DPR project, 25 farmers cultivated medicinal plants in the Baghpat district, UP. In accordance with the programme, 100 farmers in the Baghpat district received training on medicinal plant and out of this, 50 farmers received incentives to grow medicinal plants on 50 acres of land. ARF provided technical support for the cultivation of medicinal plants. A three-day training program on cultivation of medicinal plants was conducted on 11-13 January 2023, wherein training on good agriculture practices and post-harvest management of medicinal plants was given.



3 days training programme on cultivation of medicinal plants

## 4.8 Integrated Farming System (Biofloc Fish Farming, Broccoli, Sweetcorn and Turmeric) – Saharanpur

**Duration:** 2 years

**Agency :** NABARD

**Location :** Gangoh Block, Saharanpur

**No. of Beneficiaries:** 10

Ten farmers were selected from the two villages of (Fatehpur Dholla and Mubarakpur), of Gangoh block under the Integrated Farming System (DPR), Saharanpur. In the month of December 2022, farmers received broccoli seedlings. The seedlings were planted, harvested in February 2023, and sold to customers in Chandigarh.

A 2-days training programme was conducted on biofloc fish farming and practicing horticultural crops in the month of March 2023. Sweetcorn seeds have been provided to the project beneficiaries for sowing.



2 days training programme on Biofloc fish farming

## 4.9 Livelihood and Entrepreneurship Development Program on milk-based processing (LEDP-Baghpat)

**Duration:** 2 years (Jan 2023 – Jan 2025)

**Agency :** NABARD

**Location :** Baghpat

**No. of Beneficiaries:** 150

Program was inaugurated on February 2, 2023 by Mr. D'Souza, CGM of NABARD in Tyodhi village of Baghpat district, UP. Inaugural program was attended by DDM NABARD Mr. Somveer Puri, Dr. Neha Thakur, LUVAS, Dr. Anup Kalra, Officials and team member of ARF Rural Development. In his inaugural speech CGM motivated Self-Help Group (SHG) women to start their business by unitedly forming organization and increase their livelihood. Dr. Anup Kalra encouraged the women of the SHG group to improve their livelihood by increasing their income from Waste to Wealth Management. In this project 150 women were given training for 10 days on milk processing by various trainers.

## 5. Bio Resource Development

Human beings have been deriving health and immunity solutions from Medicinal plants since time immemorial and hence this very category of plants has sustained its value to mankind. Traditional systems of medicine included preparation of various healthcare formulations from plants & their parts procured from wild sources.

During COVID times there has been a sudden upsurge in awareness and consumption of these natural healthcare and immunity solutions. This scenario has not only increased the burden on wild resources but also, opened new dimensions of cultivation of quality medicinal plants produced under different certification regimes to meet the global requirements as well as standards. Bringing medicinal plants under cultivation would add benefits to the farmers by improving their farm income and in providing quality herbs to the herbal industry. It will create a sustainable value chain and reduce the impact on forests. Another benefit of the medicinal plants is that the various plant parts are used, hence the chances of wastage are less, reducing the environmental impact.

On the other hand the soil health deterioration has become a critical issue attributing to the monotonous monocropping systems & crop rotations adopted by the farmers over generations. This has also resulted in significant decline in crop productivity per unit area. The green revolution principles & practices are being subject to the law of diminishing return. Diversification of agriculture by introducing medicinal plants to the conventional rotation will not only improves the productivity that eventually translates to income but also improve the soil health.

About 8000 species of medicinal plants are in current use by local communities all over India. About 90% of the country's medicinal plants found in forest habitats.

Agricultural diversification through the medicinal plants can help in enhancing farms' productivity, profitability, and value addition besides leading a



Inauguration ceremony of 10 days training programme of SHG women on milk processing

### 4.10 Organic Farming Project, Sonipat

The major goal of the project is to demonstrate the benefits of organic farming over conventional farming in terms of safe food, healthy soil and better human health. Those using organic farming practices showed significant improvement in soil pH. Soil health tests revealed that high nutrient uptake, energy cycling, improved soil nutrient and water holding capacity compensate for the absence of mineral fertilizers, making the soil more fertile and richer in nutrients that aided in plant growth. The completion of this project revealed that many farmers in the surrounding areas who participated in the training/demonstration were coming forward for organic farming system. They were inspired by the benefits of organic farming and are ready to adopt it. Ninety farmers started vermicompost production and practicing organic farming in their field.



NABARD Chandigarh official visit at farmers site under organic farming project



healthy lifestyle. Cultivation and production of the medicinal plants will ensure the purity, quality and the sustainable conservation of these plants and the supply of herbs required for the herbal industry.

With growing demand of medicinal plants by Indian herbal industry, there is continuous increase in pressure on forest and its biodiversity. In order to create a sustainable supply base of medicinal plants, Ayurved Research Foundation continued its journey through structured conservation programme for a variety of medicinal plants.

In FY 2022-23 project selected to Ashwagandha, Brahmi and Tulsi, were under farming in various region of the country.

### Objectives:

1. Crop diversification through the cultivation of medicinal plant
2. Identification of best geographical location for cultivation of targeted species of herbs for quality produce.
3. Skill development of farmers through on farm training during cultivation.
4. Develop and produce quality seeds & planting material for multiplication.
5. Develop a value chain and market linkage for farmers.

During cultivation, regular technical support, guidance, training along with good quality planting materials and POP were provided.

## 6. Project wise progress of the year 2022-23

### Herbal Farming Projects

#### a) Ashwagandha (*Withania somnifera*):

#### Projects at Madhya Pradesh & Rajasthan

#### Objective:

- a. To identify best geographical location for the cultivation.
- b. To produce quality planting materials

**Crop duration:** 7 to 8 Months (Aug.22 to March.23)

**Planting material:** Jahwar 20 and Poshita

**Harvesting:** After fruit ripening

**Madhya Pradesh:**

#### 1. Jahwar 20:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	300	270	90
Withanolide (%)	0.3	0.25	83



Ashwagandha field –Neemuch M.P

#### 2. Poshita:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	450	350	78
Withanolide (%)	0.3	0.2	66



Ashwagandha field –Neemuch M.P Crop at Vegetative Stage

## Rajasthan:

### 1. Jahwar 20:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	250	230	92
Withanolide (%)	0.25	0.15	60



Ashwagandha field – Kota Rajasthan Crops at Vegetative stage

### 2. Poshita:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	450	410	91
Withanolide (%)	0.3	0.28	93

## Result:

### 1. Yield: - Dry roots

#### 1. Madhya Pradesh:

- i. **Jahwar-20** - The production was 270 Kg dry roots/acre, which is 10% less than the planned.
- ii. **Poshita** - The production was 350 Kg dry roots/acre, which is 22% less than the planned.

## 2. Rajasthan:

- i. **Jahwar-20** - The production was 230 Kg dry roots/acre, which is 8% less than the planned.
- ii. **Poshita** - The production was 410 Kg dry roots/acre, which is 9% less than the planned.

### 2. Active constituents: - Withanolide (%)

#### 1 Madhya Pradesh:

- i. **Jahwar-20** - Active constituent (withanolide %) was found to be 0.25% which less by 17 % as per planned.
- ii. **Poshita** - Active constituent (withanolide %) was found to be 0.2% which less by 34 % as per planned.

#### 2 Rajasthan:

- i. **Jahwar-20** - Active constituent (withanolide %) was found to be 0.15% which less by 40 % as per planned.
- ii. **Poshita** - Active constituent (withanolide %) was found to be 0.28% which less by 7 % as per planned.

### Analysis:

- i. The cultivation projects succeeded in producing good quality Ashwagandha roots in Madhya Pradesh and Rajasthan.
- ii. This project indicates that the suitable location for the cultivation of Ashwagandha Jahwar-20 is Madhya Pradesh due to high active constituents followed by Rajasthan.
- iii. This project indicates that the suitable location for the cultivation of Ashwagandha Poshita is Rajasthan due to high active constituents followed by Madhya Pradesh.
- iv. Yield of dry ashwagandha roots is more from Poshita varieties than the Jahwar-20 in both locations.
- v. Excessive rainfall may be possible for reduction in active content.

## b) Brahmi (*Bacopa monnieri*):

### Projects at West Bengal, Odisha, Bihar & UP

#### Objective:

- To identify best geographical location for the cultivation.
- To produce quality planting materials

**Crop duration (4 Cuttings)-** 12 months (June 22 to June 23)

**Planting material** – Brahmi local variety (origin from Bakahali)

**Harvesting** – At the initiation of flowering.

#### West Bengal:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	3000	3200	106
Bacoside %	2.5	2.4	96



Brahmi field – Sagar Island, WB Crop at vegetative Stage

#### Odisha:

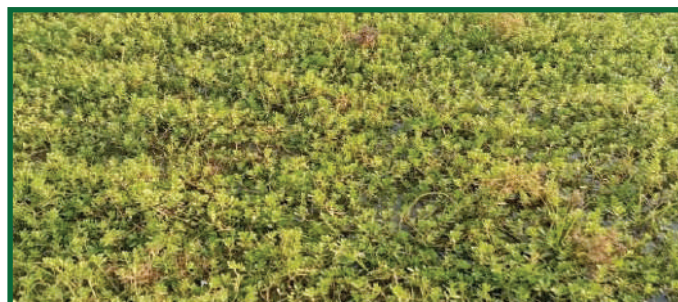
Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	3000	2800	93
Bacoside %	2.5	2.3	92



Brahmi field – Bhadrak, Odisha Crop at flowering Stage

#### Bihar:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	3000	2500	83
Bacoside %	2.5	2	80



Brahmi field – Madhapura, Bihar Crop at Vegetative Stage

#### UP:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	3000	2300	77
Bacoside %	2.5	1.6	64



Brahmi field – Lucknow, UP Crop at flowering Stage

## Result:

### Yield: Whole plants

- i. **West Bengal:** The production was 3200 kg dry whole plants/acre, which is 6 % higher than the plan.
- ii. **Odisha:** The production was 2800 kg dry whole plants/acre, which is 7% less than the plan.
- iii. **Bihar:** The production was 2500 kg dry whole plants/acre, which is 23% less than the plan.
- iv. **Uttar Pradesh:** The production was 2300 kg dry whole plants/acre, which is 44% less than the plan.

### Active constituents: Bacoside %

- i. **West Bengal:** Active constituent (Bacoside %) was found to be 2.4 %, which is less by 4 % as per plan.
- ii. **Odisha:** Active constituent (Bacoside %) was found to be 2.3 %, which is less by 8 % as per plan.
- iii. **Bihar:** Active constituent (Bacoside %) was found to be 2.0 %, which is less by 20 % as per plan.

### Analysis:

1. The cultivation projects succeeded in producing good quality Brahmi in West Bengal, Odisha, Bihar and Uttar Pradesh.
2. This project indicates that the suitable location for the cultivation of Brahmi is West Bengal and Odisha due to high active constituents as well as highest production followed by Bihar and Uttar Pradesh
3. Excessive rainfall may be possible for reduction in active content.

### c) Tulsi (*Ocimum sanctum*):

#### Projects at Uttar Pradesh & Bihar

## Objective:

- a. To identify best geographical location for the cultivation.
- b. To produce quality planting materials

**Crop duration (2 Cuttings)-** 6 -7 Months (July -22 to March-23)

**Planting material** – Tulsi local variety (origin from Hamidpur, U.P)

**Harvesting** – At the initiation of flowering.

### Uttar Pradesh:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	700	620	89
Ursolic acid (%)	0.3	0.31	103
Essential oil (%)	1	0.6	60



Tulsi field – Hamidpur, U.P Crop at harvesting stage

### Bihar:

Particulars	Plan	Actual	% Achieved
Area(Acres)	1	1	100
Yield (Kg/Acre)	700	750	107
Ursolic acid (%)	0.3	0.22	73
Essential oil (%)	1	0.8	80



Tulsi field – Muzaffarpur, Bihar Crop at flowering Stage

## Result:

### 1. Yield: Dry leaves

- i. **Uttar Pradesh:** The production was 620 kg dry leaves/acre which is 11% less than the plan.
- ii. **Bihar:** The production was 750 kg dry leaves/acre, which is 7% higher than the plan.

### 2. Active constituents: Ursolic acid %

#### 1. Uttar Pradesh:

- i. **Ursolic acid** – Active constituent (ursolic acid %) was found to be 0.31%, which is more 3 % as per plan.
- ii. **Essential oil** – Active constituent (Essential oil %) was found to be 0.6%, which is more 40 % as per plan.

#### 2. Bihar:

- i. **Ursolic acid** – Active constituent (ursolic acid %) was found to be 0.22%, which is less by 27 % as per plan.
- ii. **Essential oil** – Active constituent (Essential oil %) was found to be 0.8%, which is more 20 % as per plan.

## Analysis:

1. The cultivation projects succeeded in producing good quality Tulsi leaves in Uttar Pradesh and Bihar.
2. This project indicates that the suitable location for the cultivation of Tulsi is Uttar.

2. This project indicates that the suitable location for the cultivation of Tulsi is Uttar Pradesh due to high active constituents followed by Bihar.

3. Excessive rainfall may be possible for reduction in active content.

## 7. HR Initiatives

Ayurved Research Foundation is a team of strong people who are passionate & committed towards sustainable development. Our employees bring an enormous amount of positive energy with them and have greater focus at work and never hesitate to go the extra mile.

We have always believed in leveraging people's passion to achieve organization objectives. As on March 31st, 2023, a strong team of 40 committed employees aligned to the laid objectives. They are indeed a critical asset to our organization to deliver sustainable results year after year.

### Welcome new family members:

S.no	Name	Designation	DOJ
1	Rati Ram Tyagi	Field Supervisor	20-Apr-2022
2	Deepak Lathwal	Field Assistant-Rural Development	01-Jun-2022
3	Sharad Kumar Dwivedi	Scientific Assistant - DBT Projects	13-Jun-2022
4	Surbhi Sharma	Project Associate - Microbiologist	01-Jul-2022
5	Priya Kaur	Executive- Research and Projects	01-Jul-2022
6	Dharmendra Kumar	Project Supervisor	06-Aug-2022
7	Nitesh Thakur	Asst. Manager-Sales & Marketing	22-Aug-2022
8	Dev Dutt Mittal	Project Coordinator	01-Oct-2022
9	Ram Krishna Pal	Project Coordinator	06-Oct-2022
10	Gaurav Kumar	Animal Health Associate - Inseminator	19-Oct-2022
11	Dr. Aparajita Das	Principal Scientist	12-Dec-2022
12	Dr. Puneet Pathak	Principal Scientist	26-Dec-2022
13	Salman	Field Assistant	26-Dec-2022
14	Akshay Tyagi	Sr. Executive - Research and Projects	02-Jan-2023
15	Rajkumar Pandey	Project Coordinator	30-Jan-2023
16	Rakesh Roshan	Project Coordinator	13-Feb-2023
17	Dr. Rakesh Kumar Maurya	Veterinary Service Officer	14-Feb-2023

## Human Capital Development:

HR dept. offered a wide range of training opportunities throughout the year in order to build on the professional competencies and conducted exclusive training sessions benefitting employees which were facilitated by various internal & external

### Human Capital Development Initiatives taken in FY 2022-23:

No.	Training Topic	Training Type	Facilitator	Date
1	Linkedin for Business Promotion	Internal	Mr. Vivek Kumar	06 Jan 2023
2	Stress Management	External	Dr. Dinika Anand, BLK Max Hospital, Delhi.	27-Jan-2023
3	Online Education Programme for Working Professionals	External	Mr. Piyush Kumar, Director Eduaxs Solutions	17-Feb-2023
4	Requirements of ISO 9001 Certification	Internal	Dr. Anil Kanaujia and Ms. Banerjee	17-Mar-2023
5	Lifestyle Management	External	Dr. Akansha Dwivedi, Baksons Homeopathic Medical College & Hospital, Greater Noida.	24-Mar-2023



Akshardham Visit



Celebrate Sustainability Day

## Initiatives Enriching the Employee Experience & Engagement:



Diwali Celebration and Gift Distribution



Celebrate Sustainability Day



Celebrate Sustainability Day



Christmas Celebration



Holi Celebration



Christmas Celebration



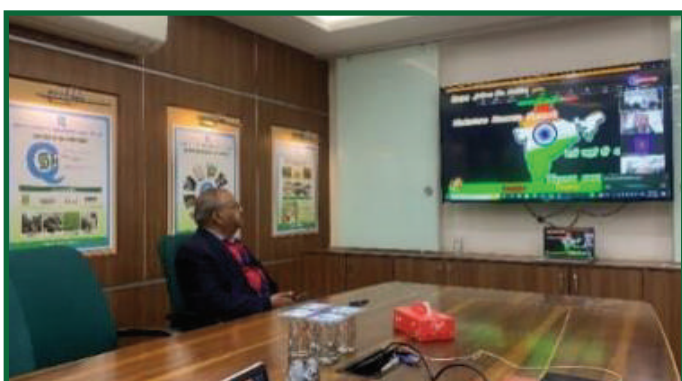
International Women's Day Celebration



Republic Day Celebration



Organized Complete blood count test for female staff.



## 8. Other Initiatives

### 8.1 Farm Extension Activities – Coverage by DD Kisan

ARF have worked on several projects for skilling of the farmers in Ghaziabad district. The key achievements and the benefits of the projects were shared by farmers and the same was appreciated by team DD Kisan. The farmers trained under Multi – layer farming project shared their learning, and income of the 1st year produce. The programme was telecasted in the month of March.

### 8.2 Accreditation /Certification:

ARF Test House is a part of Ayurved Research Foundation, located at Village Chidana, Tehsil Gohana, Sonapat, Haryana which is accredited with NABL by Ministry of Commerce & Industry, Govt. of India, permitted to conduct chemical and microbiological testing of feed, herbs, spices, condiments, milk and dairy products, packaged drinking and natural mineral waters. NABL first onsite surveillance audit was successfully conducted in Feb 2023.

### 8.3 Training, Participation & Visit:

- a) **Participation in conference:** Ms. Samanwita Banerjee and Ms. Surbhi Sharma participated in 63rd Annual International Conference of Association of Microbiologist of India on Microbial technology for sustainable biosphere at Maharshi Dayanand University, Rohtak, Haryana for poster presentation titled Evaluation and development of indigenous cow excreta based biorationals for enhanced plant and soil health.
- b) **NABL external training:** Mr. Anil Rathi and Ms. Samanwita Banerjee attended training on Laboratory Quality management system and Internal Audit as per IS/ISO/IEC 17025:2017 organized by My Quality Team in month of May 2022.

## 8.4 List of Publications

1. Hydroponics farming for nutritious fodder and carbon foot print management, Anil Kanaujia, Kaushlendra Narayan Dwivedi, Anup Kalra and Mohan Ji Saxena, South Asian Journal of Agricultural Sciences, 2022, 2(1), 38-40
2. Multilayer Farming: an Initiative towards Increasing Farmer’s Income- International Journal of Veterinary Science and Agriculture Research Vol 4, Issue 1, 2022.
3. Hydroponic Green Fodder- Need of the hour. New Age Protected Cultivation, Jan- June 2022,
4. Role of Vrikshayurveda for integrated pest management, Just Agriculture, July 2022
5. CRISPR for revival of aroma in traditional basmati rice, Kirti Sharma, Anil Kanaujia, Aparajita Das, Puneet Pathak, Mohan Ji Saxena, Anup Kalra, International Journal of Creative Research Thoughts, 2023, 11(2), 56-59.
6. New Age Digital Agriculture for Vibrant Indian Economy, Kirti Sharma, Anil Kanaujia, Anup Kalra, Mohan Ji Saxena, Agriculture Today, 2023, January, 85-87
7. Quality assurance of feed for better livestock health. Samanwita Banerjee, Anil Kanaujia, International Journal of Research and Analytical Reviews, 2022, 9(1), 822-827.
8. “Evaluation and development of indigenous cow excreta based biorationals for enhanced plant and soil health”, Samanwita Banerjee\*, Surbhi Sharma, Anil Kanaujia, Suruchi Malik, Priya Kaur, Sharad Kumar Dwivedi, 2023, souvenir and abstract book of 63rd Annual International Conference of Association of Microbiologist of India on Microbial technology for sustainable biosphere, pp 387.
9. “Preparation of crop specific compost and evaluation of its effect on soil health and productivity for better farm profit” 2023, Surbhi Sharma\*, Samanwita Banerjee, Anil Kanaujia, Suruchi malik, souvenir and abstract book of 63rd Annual International Conference



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- of Association of Microbiologist of India on Microbial technology for sustainable biosphere, pp 304
10. Chemical (non-biological) contaminants in food and their movements in food chain &. Somveer Beniwal, Shivam Soni and Anil Kanaujia International Journal of Advanced Research (IJAR) 10(08), 2022, 967-972.
  11. Preventive measures for residual aflatoxins in milk and dairy products, Kirti Sharma, Anil Kanaujia, International Journal of Veterinary Science and Agriculture Research, 2022, 4(1), 50- 54.
  12. Understanding Importance of Soil Testing and Significance of SOC on Crop, Productivity, Suruchi Malik, Anil Kanaujia, Samanwita Banerjee, Surbhi Sharma, Kirti Sharma, International Journal of Advances in Agricultural Science & Technology, 2022, 9(5),
  13. Effects of heavy metals on health index of soil, plants, humans & it's bioremediation. Anil Rathee, Anil Kanaujia, International Journal of Creative Research Thoughts, Volume 10, Issue 9 September 2022
  14. Strategic measures to control Salmonella from poultry in human food chain, Suruchi Malik, Anil Kanaujia, Samanwita Banerjee, Surbhi Sharma, international journal of recent advances in multidisciplinary research, Vol 09(12), pp 8263-8265, Dec 2022
  15. "Making rural India energy self-reliant". Anil Kanaujia, Mohan ji Saxena, Anup Kalra, International Journal of Creative Research Thoughts, Volume 10, Issue 11 November 2022.
  16. Review of water crisis and managerial scope in India, Surbhi Sharma, Anil Kanaujia, Samanwita Banerjee, Suruchi Malik, Ecology, environment and conservation, 2022, 74-79.
  17. Crop Residue to Compressed Biogas; An opportunity to move away from Fossil Fuels, Samanwita Banerjee, Anil Kanaujia, Anup Kalra, Mohan Ji Saxena, Times of agriculture, 2023, February, 29-30.
  18. Bacteriocins: potential usages and mechanism of action. Samanwita Banerjee, Anil Kanaujia, Suruchi Malik, Surbhi Sharma, International Journal of Recent Advances in Multidisciplinary Research, Vol. 09, Issue 08, pp.7897-7906, August, 2022.
  19. Plant Based Proteins for Environmental Sustainability. Kirti Sharma and Anil Kanaujia Annals of Plant Sciences, Volume 11, Issue 08 (2022) pp. 5293-5299
  20. Building Edible Oil Security, Kirti Sharma, Anil Kanaujia, International journal of current research, 2022, 14(11), 22794 – 22798

## 8.5 Media Coverage

### पशुपालन की योजनाओं का लाभ उठाएं

बालैनी। बुढ़सैनी गांव में सोमवार को आयुर्वेद रिसर्च फाउंडेशन की तरफ से आयोजित बैठक में किसानों को पशुपालन, गोदारी व पीगरी फार्म के लिए प्रेरित किया। वक्ताओं ने कहा कि डीडीएम नाबार्ड शोमीर पुरी ने किसानों को विस्तार से योजनाओं के बारे में बताया। नाबार्ड से पशुपालन की योजनाओं का लाभ उठाकर आमदनी बढ़ाएं। खेती के साथ पशुपालन से जुड़ने की अपील की। इस दौरान कृष्ण गोपाल, प्रधान अजय यादव, सुरेंद्र, जयपाल, तेजू, अन्नू, अरुण, दीपक आदि मौजूद रहे। संवाद

### सिटी हलचल

### गन्ने की आधुनिक खेती का प्रशिक्षण लेंगे किसान

**वि. गजियाबाद :** गन्ना की पैदावार बेहतर कैसे हो ? इसके प्रशिक्षण के लिए जिले से किसानों के एक समूह को तीन दिवसीय शैक्षिक भ्रमण के लिए नाबार्ड के डीडीएम सीके गौतम ने हरी झंडी दिखाकर भोजपुर से लखनऊ के लिए रवाना किया है। प्रगतिशील किसानों को कृषि की नई तकनीकों को अपनाने के लिए क्षमता निर्माण कार्यक्रम का आयोजन लखनऊ के भारतीय गन्ना अनुसंधान संस्था में किया गया है। सात से नौ सितंबर तक किसानों को गन्ने की खेती आधुनिक तरीके से करने के लिए प्रशिक्षित किया जाएगा। मौके पर आयुर्वेद रिसर्च फाउंडेशन की कार्यकारी अधिकारी आभा सक्सेना, प्रिया कौर, शरद द्विवेदी और रतिराम त्यागी आदि मौजूद रहे।

नेशनल पशु डायरी सोमवार 16 जनवरी 2023 nationalpawnews@gmail.com

### तीन दिवसीय प्रशिक्षण में 25 किसान को दी तकनीकी जानकारी, 50 एकड़ में कृषक उगाएंगे औषधीय पौधे

#### औषधीय पौधे के मूल्य संवर्धन से आय होगी दोगुनी

**सुरेंद्र मल्लिक**  
भागपत। नगर के ग्रामीण स्वरोजगार प्रशिक्षण संस्थान में आयुर्वेद रिसर्च फाउंडेशन द्वारा तीन दिवसीय प्रशिक्षण कार्यक्रम का आयोजन किया गया जिसमें जयपद के 25 किसानों ने प्रतिभाग कर औषधीय पौधों की व्यवसायिक खेती की जानकारी प्राप्त की। उच्चतम डीडीएम नाबार्ड शोमीर पुरी, एलडीएम राजेश पंत ने किसानों और प्रोजेक्ट में नाबार्ड एवं आयुर्वेद को प्रतिकार कर और बताया कि आगे की जानकारी के माध्यम से किसानों को औषधीय पौधों की खेती में सहयोग करेगा। प्रशिक्षण के प्रथम दिन डॉ. संजय कुमार राज ने कृषकों को तुलसी की व्यवसायिक खेती, पोस्ट हावैस्ट मैनेजमेंट एवं मूल्य संवर्धन पर जानकारी दी। वहीं समापन समारोह में डीडीएम नाबार्ड शोमीर पुरी, एलडीएम राजेश पंत ने किसानों से वार्ता कर फीडबैक लिया एवं प्रशिक्षण का विधिक समायोजन किया। आयुर्वेद रिसर्च फाउंडेशन के अधिकारी कृष्ण गोपाल ने बताया कि किसानों द्वारा उत्पादित फसल को ब्रांडेड कंपनी की सेवा जाएगा जिसके लिए निबंधन दाखल कराने में सहायता दी जायेगी। फसल लाने पर कंपनी द्वारा सर्वेक्षण कर फसल की खरीददारी संबंधी एवं कार्यक्रमों की जायेगी।




### आज का आईना साप्ताहिक

### आयुर्वेद रिसर्च फाउंडेशन ने बड़े पैमाने पर किसानों और समाज के लाभ के क्षेत्र में अनुसंधान किया : जेनेंद्र गुप्ता

**आज का आईना/विजेन्द्र पंचवाल चिन्तना।** आयुर्वेद रिसर्च फाउंडेशन डीएसआईआर विभाग, विज्ञान मंत्रालय और SIRO (वैज्ञानिक और औद्योगिक) के रूप में प्रौद्योगिकी अनुसंधान संगठन अनुसंधान करने और प्रदान करने के लिए मान्यता प्राप्त है तथा आईएसओ 9001:2015 प्रमाणित है। आयुर्वेद रिसर्च फाउंडेशन ने राष्ट्रीय हित, बड़े पैमाने पर किसानों और समाज के लाभ जैसे पशु स्वास्थ्य और पोषण मित्र और जल स्वास्थ्य, औद्योगिक और चारा निर्माणों के कच्चे माल और तैयार माल की गुणवत्ता आबास, औषधीय पौधों की गुणवत्ता में सुधार के क्षेत्रों में अनुसंधान किया। एआरएफ टेस्ट हाउस, ग्राम चिन्तना, तहसील गौतना, सोनीपत हरियाणा में स्थित आयुर्वेद रिसर्च फाउंडेशन की एक





और शाखा है, जिसे वाणिज्य और उद्योग मंत्रालय, सरकार द्वारा एनवीएल से मान्यता प्राप्त है। भारत सरकार ने 22 दिसंबर 2021 को जानवरों के भोजन और चारा, जड़ो-वृद्धियों, मसालों, दूध और डेयरी उत्पादों, पैकेज ड्रिंकिंग और प्राकृतिक खनिज पानी के रसायनिक और सूक्ष्मजीवविज्ञानी परीक्षण करने की अनुमति प्रदान की।

### आयुर्वेद द्वारा पशुपालकों के सशक्तिकरण हेतु आयोजित किया गया जागरूकता

**पिलाना/भागपत- आयुर्वेद रिसर्च फाउंडेशन के तत्वाधान में शुक्रवार को बुढ़सैनी गांव में आयोजित जागरूकता शिविर में सैकड़ों पशुपालकों ने संतुलित पशु आहार, पशुओं में बीमारियों का निदान एवं उचित प्रबंधन के विषय में जानकारी ली। फाउंडेशन से कृष्ण गोपाल ने बताया कि आयुर्वेद का मुख्य उद्देश्य पशु स्वास्थ्य, पोषण और निदान के क्षेत्रों में अनुसंधान करना और अनुसंधान के आधार पर ग्रामीण अंचल के कृषकों एवं पशुपालकों को जागरूक**



करना है जिसके अंतर्गत प्रत्येक विकास खंड में जागरूकता कार्यक्रमों का आयोजन किया जायेगा। साथ ही पशुपालकों को आयुर्वेद के पशु संबंधी उत्पादों की जानकारी दी। आयुर्वेद रिसर्च फाउंडेशन से धर्मेन्द्र ने बताया कि संस्था द्वारा 5खंड सुरक्षा (खाद्य, चारा, चारा, ईंधन और उर्वरक) अवधारणा के माध्यम से पशुधन और कृषि के सतत एकीकरण हेतु कार्य किया जा रहा है और बदलते मौसम के कारण पशुओं में जड़ो समस्या को देखते हुए भागपत में विशेष रूप से इन कार्यक्रमों को आयोजित कर पशुपालकों के सशक्तिकरण पर और ध्यान जा रहा है।

वहीं फाउंडेशन के पर्यवेक्षण डॉ. अश्लीष ने पशुओं में खाड़पन, बनेला पशुओं में तनाव आदि बीमारियों के लक्षण के साथ पहचान करने के विषय में जानकारी दी कार्यक्रम के अंत में आयोजित प्रश्न सत्र में पशुपालकों से पूछे गए प्रश्नों के उत्तर देने पर उनको दयादोषी भी खांटी गई इस मौके पर आयुर्वेद से डॉ. संदीप, विशाल भारद्वाज, सुरेंद्र, निखिल, संजय, उमेश, नरेंद्र, जयपाल, अरुण आदि का सहयोग रहे।

## अलावलपुर में औषधीय पौधों की खेती का प्रोजेक्ट शुरू

बड़ौत: क्षेत्र के अलावलपुर गांव में औषधीय पौधों की खेती को बढ़ावा देने के उद्देश्य से विशेष प्रोजेक्ट लांच किया गया। जिसका उदघाटन नाबाई के सीजीएम एसके डोरा ने किया। शनिवार को औषधीय पौधों की खेती के लिए कार्यक्रम का आयोजन किया। मौके पर डीडीएम बागपत शोमीरी पूरी की मौजूदगी रही। उन्होंने कहा कि जनपद के किसानों को हर प्रकार की सहायता उपलब्ध कराने को नाबाई सदैव तत्पर है। आयुर्वेद रिसर्च फाउंडेशन की टीम के औषधीय विशेषज्ञ राकेश रंजन, ग्रामीण विकास प्रबंधक जैनेंद्र गुप्ता और संस्था के बागपत प्रतिनिधि कृष्ण गोपाल उपस्थित रहे। वहीं एक प्रोजेक्ट का क्रियान्वयन पिलाना ब्लॉक में किया जाना प्रस्तावित है। उदघाटन समारोह में सैकड़ों किसानों ने प्रतिभाग कर प्रोजेक्ट की जानकारी ली। मौके पर राहुल, प्रवीण, मुकेश, रामकुमार आदि भी मौजूद रहे।

**राष्ट्र की प्रगति के लिए शिक्षित व संस्कारित होना आवश्यक: अभिमन्यु**

## आयुर्वेद द्वारा पशुपालकों के सशक्तिकरण हेतु जागरूकता कार्यक्रम, गांव बढ़े तो देश बढ़े: कृष्ण गोपाल



राष्ट्रीय पहल संवाददाता अमीनगर सराय। आयुर्वेद रिसर्च फाउंडेशन के तत्वाधान में शुक्रवार को बुढ़सैनी गांव में आयोजित जागरूकता शिविर में सैकड़ों पशुपालकों ने संतुलित पशुआहार, पशुओं में बीमारियों का निदान एवं उचित प्रबंधन के विषय में जानकारी ली। फाउंडेशन से कृष्ण गोपाल ने बताया कि, आयुर्वेद का मुख्य उद्देश्य पशु स्वास्थ्य, पोषण और निदान के क्षेत्रों में अनुसंधान करना और अनुसंधान के आधार पर ग्रामीण अंचल के कृषकों एवं पशुपालकों को जागरूक करना है, जिसके अंतर्गत प्रत्येक विकास खंड में जागरूकता कार्यक्रमों का आयोजन किया जा रहा है।

एफ सुरक्षा के अन्तर्गत खाद्य, हराचारा, चारा, ईंधन और उर्वरक की अवधारणा के माध्यम से पशुधन और कृषि के सतत एकीकरण हेतु कार्य किया जा रहा है और बदलते मौसम के कारण पशुओं में बढ़ती समस्या को देखते हुए बागपत में विशेष रूप से इन कार्यक्रमों को आयोजित कर पशुपालकों के सशक्तिकरण पर जोर दिया जा रहा है। फाउंडेशन के पशु विशेषज्ञ डॉ आशीष ने पशुओं में बांडापन, थनैला पशुओं में तनाव आदि बीमारियों के लक्षण के साथ ही उनकी पहचान करने के विषय में भी जानकारी दी। कार्यक्रम के प्रश्न सत्र में पशुपालकों से पूछे गए प्रश्नों के उत्तर देने पर उनको दवाइयां भी बांटी गईं। इस मौके पर आयुर्वेद से डॉ संदीप, विशाल भारद्वाज, सुरेंद्र, निखिल, संजय, उमेश, नरेंद्र, जयपाल, अरुण आदि का सहयोग रहे।

बैठक में पशुपालकों को आयुर्वेद के पशु संबंधी उत्पादों की जानकारी दी। आयुर्वेद रिसर्च फाउंडेशन से धर्मेन्द्र ने बताया कि, संस्था द्वारा 5

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## ए अब आपके लेटी ओपीडी



में बढ़ रहे हैं। न के, जागरूकता है। मैक्स बाग की मरीजों को ए की जा का जल्दी हा रिजल्ट हा है। हई उन्नांत ड डॉक्टरों बेहतर से करा रही जरिए भी लक्ष्यों को

एए जीविषा केशर सेंटर की डायरेक्टर डॉक्टर नमिता डबास ने कहा, \* देश के बेस्ट डॉस्पिटल मैक्स शालीमार बाग के साथ मिलकर वे ओपीडी सेवा शुरू करने पर हम बहुत खुश हैं. हमारी ओपीडी के जरिए लोगों की स्वस्थ जीवन गुजरने के साथ-साथ बेस्ट टेक्नोलॉजी वाला इलाज दिया जाएगा. वे ओपीडी सोनीपत में स्वास्थ्य सेवाओं को मजबूती देगी, जहां चर्लड क्लास हेल्थ सर्विस मिलेगी. इस ओपीडी में जांच-पड़ताल से लेकर मरीजों को परामर्श देने का काम किया जाएगा और इलाज की रूपरेखा बताई जाएगी। मैक्स डॉस्पिटल शालीमार बाग स्टेट ऑफ आर्ट सुविधाओं से सुसज्जित है. यहां एडवॉस टेक्नोलॉजी है और बहुत रिक्लड डॉक्टर समेत अन्य मेडिकल प्रोफेशनल हैं जो मरीजों को बेहतर से बेहतर इलाज देने के लिए प्रतिबद्ध रहते हैं।

## आयुर्वेद का लक्ष्य है किसान की खुशहाली: धर्मेन्द्र कुमार

बड़ौत/बागपत। शुक्रवार को द्योदी गांव में आयुर्वेद संस्था द्वारा पशुपालकों के लिए आयोजित एक दिवसीय जागरूकता कार्यक्रम में सैकड़ों पशुपालकों ने पशुओं के रख रखाव, पशु आहार और पशुओं में बीमारियों के बचाव विषय पर जानकारी ली। वहीं पशुपालकों के लिए आयोजित किंग में सही उत्तर देने वाले पशुपालकों को मुफ्त दवाइयां भी मिली। संस्था के अधिकारी कृष्ण गोपाल ने बताया कि कार्यक्रम का आयोजन अंतराल डेयरी कृषि उत्पादक संगठन के सहयोग से किया गया और पशुपालकों की मांग पर समय समय पर ऐसे कार्यक्रमों का आयोजन करते रहेंगे। आयुर्वेद से धर्मेन्द्र कुमार ने कहा कि आयुर्वेद का लक्ष्य है खुशहाल किसानों के लिए, संस्था विभिन्न कार्यक्रमों का आयोजन कर जनपद के किसानों को लाभ पहुंचाने के प्रयास कर रही है। मौके पर डॉ आशीष, प्रताप सिंह, डॉ संदीप, विशाल भारद्वाज आदि मौजूद रहे।

**से में हरहाल में पूरा करूंगा: रविंद्र बारी**

... हो कि ... कर अपनी मजिल को मसिल और ससन बढेना तथा गरीब

## आयुर्वेद के जागरूकता कार्यक्रम में बढ़ चढ़कर प्रतिभाग कर रहे पशुपालक

पशु प्रबंधन की विस्तृत जानकारी पाकर पशुपालकों ने आयुर्वेद के प्रति जताया आभार

मिनयासी तारुदीर व्यूरे।

बागपत। पिलाना आनुर्वेद रिसर्च फाउंडेशन के तत्वाधान में शुक्रवार को बुढ़सैनी गांव में आयोजित जागरूकता शिविर में सैकड़ों पशुपालकों ने संतुलित पशुआहार, पशुओं में बीमारियों का निदान एवं उचित प्रबंधन के विषय में जानकारी ली। फाउंडेशन से कृष्ण गोपाल ने बताया कि, आयुर्वेद का मुख्य उद्देश्य पशु स्वास्थ्य, पोषण और निदान के क्षेत्रों में अनुसंधान करना और अनुसंधान के आधार पर ग्रामीण अंचल के कृषकों एवं पशुपालकों को जागरूक करना है जिसके अंतर्गत प्रत्येक विकास खंड में जागरूकता कार्यक्रमों का आयोजन किया जायेगा। साथ ही



पशुपालकों को आयुर्वेद के पशु संबंधी उत्पादों की जानकारी दी। आयुर्वेद रिसर्च

फाउंडेशन से धर्मेन्द्र ने बताया कि संस्था द्वारा 5फ सुरक्षा (खाद्य, चारा, चारा,

ईंधन और उर्वरक) अवधारणा के माध्यम से पशुधन और कृषि के सतत

एकीकरण हेतु कार्य किया जा रहा है और बदलते मौसम के कारण पशुओं में बढ़ती समस्या को देखते हुए बागपत में विशेष रूप से इन कार्यक्रमों को आयोजित कर पशुपालकों के सशक्तिकरण पर जोर दिया जा रहा है। वहीं फाउंडेशन के पशु विशेषज्ञ डॉ आशीष ने पशुओं में बांडापन, थनैला पशुओं में तनाव आदि बीमारियों के लक्षण के साथ पहचान करने के विषय में जानकारी दी। कार्यक्रम के प्रश्न सत्र में पशुपालकों से पूछे गए प्रश्नों के उत्तर देने पर उनको दवाइयां भी बांटी गईं। इस मौके पर आयुर्वेद से डॉ संदीप, विशाल भारद्वाज, सुरेंद्र, निखिल, संजय, उमेश, नरेंद्र, जयपाल, अरुण आदि का सहयोग रहे।

## 9. Farmer Producer's Organizations (FPO's) supported by ARF

### 9.1. Pragatisheel Organic Producer Company Limited

Address of Reg Office of FPO with e-mail ID	H. No.- 132, V.P.O.- Didwari, Panipat, (HR) 132145 pragatisheelorganicplimited@gmail.com
Name & contact no. of contact person of FPO	Mr. Surender Kumar, Contact No.- 8816902826
Registration No./ CIN of FPO	U01100HR2019PTC077824
Date of Registration	1/14/2019
Total membership	260
Share capital of FPO	Rs. 4,60,000/-
Nature of Business	1. Aggregation & marketing for organic farming (Paddy & wheat). 2. Input supply (Pesticides, fertilizer, vermicom post & Seeds).
No. of BOD Members	9
Rating/Grading	B
E-NAM	Registered
Input License	Pesticides, Fertilizer, Seeds & Vegetable Seeds
Compliances under MCA	Completed
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC Limit	Rs. 35,00,000 /-
Authorized capital	Rs. 25,00,000/-
Turn Over FY 2022-23	Rs. 14,00,000/-
Products	Vermicompost, Rice, Wheat & Mustard oil



Stall of FPO Product, Pragatisheel



Stall of FPO Product, Pragatisheel

## 9.2 Young Milk Producer Company Limited

Address of Reg Office of FPO with e-mail ID	H. No.- 404, V.P.O.- Chhichhrana, Distt. - Panipat, (HR) 132107   youngmilkpclimited@gmail.com
Name & contact no. of contact person of FPO	Mr. Sumit, Contact No.- 9416680043
Registration No./ CIN of FPO	U01100HR2019PTC077897
Date of Registration	1/16/2019
Total membership	406
Share capital of FPO	Rs. 5,06,000/-
Nature of Business	Aggregation & marketing for Honey, Mustard oil, Vegetables, Wheat and Paddy crop
No. of BOD Members	5
Rating/Grading	B
E-NAM	Registered
Input License	N/A
Compliances under MCA	Completed
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC Limit	N/A
Authorized capital	Rs. 10,00,000/-
Turn Over FY 2022-23	Rs. 17,00,000/-
Products	Mustard Oil, Vegetables, Honey & Wheat



Interaction with the members of FPO



Interaction with the members of FPO

### 9.3 Chhirsagar Milk Producer Company Limited

Address of Reg Office of FPO with e-mail ID	H. No.- 668, V.P.O.- Barota, Sonapat (HR) 131301 chhirsagarmilkplimited@gmail.com
Name & contact no. of contact person of FPO	Mr. Samunder Singh, Contact No.- 9254782263
Registration No./ CIN of FPO	U01100HR2019PTC078500
Date of Registration	2/13/2019
Total membership	500
Share capital of FPO	Rs. 6,00,000/-
Nature of Business	1. Input supply (Pesticides, fertilizer, vermicompost & Seeds). 2. Milk processing 3. Custom Hiring Centre.
No. of BOD Members	5
Rating/Grading	B
E-NAM	Registered
Input License	Pesticides, Fertilizer, Seeds & Vegetable Seeds
Compliances under MCA	Completed
Custom Hiring Centre	Yes
CCDP	N/A
Market committee License	No
CC Limit	N/A
Authorized capital	Rs. 10,00,000/-
Turn Over FY 2022-23	Rs. 18,00,000/-
Products	Ghee, Paneer, Khoya & other milk by products



Interaction with the members of FPO



Interaction with the members of FPO

## 9.4 Gangana Organic Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	H. No.- 668, V.P.O.- Barota, Sonapat (HR) 131301 chhirsagarmilkplimited@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Samunder Singh, Contact No.- 9254782263
<b>Registration No./ CIN of FPO</b>	U01100HR2019PTC078500
<b>Date of Registration</b>	2/13/2019
<b>Total membership</b>	500
<b>Share capital of FPO</b>	Rs. 4,30,000/-
<b>Nature of Business</b>	1. Input supply (Pesticides, fertilizer, vermicompost & Seeds). 2. Milk processing 3. Custom Hiring Centre.
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	B
<b>E-NAM</b>	Registered
<b>Input License</b>	Pesticides, Fertilizer, Seeds & Vegetable Seeds
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	Yes
<b>CCDP</b>	N/A
<b>Market committee License</b>	No
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	Rs. 10,00,000/-
<b>Turn Over FY 2022-23</b>	Rs. 21,00,000/-
<b>Products</b>	Ghee, Paneer, Khoya & other milk by products



Interaction with the farmers at Gangana Organic Producer Company Ltd.



Interaction with the farmers at Gangana Organic Producer Company Ltd.

## 9.5 Balaji Organic Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	H. No.- 432, V.P.O.- Kahlpa, Kathura, Sonipat, (HR) 131301   balajiorganicplimited@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Sudhir Bangar, Contact: - 9810970830
<b>Registration No./ CIN of FPO</b>	U01100HR2019PTC078535
<b>Date of Registration</b>	2/14/2019
<b>Total membership</b>	334
<b>Share capital of FPO</b>	Rs. 4,54,000/-
<b>Nature of Business</b>	<ol style="list-style-type: none"> <li>1. Organic vegetables, Paddy &amp; Wheat.</li> <li>2. Input supply for Fertilizer &amp; Pesticides (license applied).</li> <li>3. Custom hiring Centre.</li> <li>4. Mushroom production &amp; marketing</li> <li>5. Aggregation &amp; Marketing through market committed license.</li> </ol>
<b>No. of BOD Members</b>	6
<b>Rating/Grading</b>	B
<b>E-NAM</b>	Registered
<b>Input License</b>	Pesticides, Fertilizer, Seeds & Vegetable Seeds
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	Yes
<b>CCDP</b>	N/A
<b>Market committee License</b>	Yes
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	Rs. 10,00,000/-
<b>Turn Over FY 2022-23</b>	Rs. 20,00,000/-
<b>Products</b>	Vermicompost, Vegetables, Mushroom, Organic Wheat & Paddy



Mobilization of farmers for FPO



Meeting with Govt. officials for FPO



## 9.6 Sarva Vikas Krishak Samooh Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	C/o Rajesh S/o - Jai Hind, V.P.O. - Puthi, District - Sonapat, SONIPAT, Sonapat, Haryana, India, 131301 sarva.vikasfpo2020@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Vikas Nain, Contact no.: 9015991576
<b>Registration No./ CIN of FPO</b>	U01110HR2020PTC088092
<b>Date of Registration</b>	8/03/2020
<b>Total membership</b>	400
<b>Share capital of FPO</b>	Rs. 50,00,000/-
<b>Nature of Business</b>	1. Vegetables- Tomato, Potato & Cucumber. 2. Custom Hiring Centre.
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	B
<b>E-NAM</b>	Registered
<b>Input License</b>	N/A
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	Yes
<b>CCDP</b>	Yes, with 4 Cr. Cost
<b>Market committee License</b>	No
<b>CC Limit</b>	Rs. 50,00,000/-
<b>Authorized capital</b>	Rs. 50,00,000/-
<b>Turn Over FY 2022-23</b>	Rs. 24,00,000/-
<b>Products</b>	Vegetables



Training programme at FPO



Training programme at FPO

## 9.7 Milkjug Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	C/o Ghasitu Singh, Vill- Bilaspur, Post- Dudhla, Distt- Saharanpur, Pin Code - 247341 Uttar Pradesh milkjugpl@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Krishan Pal Saini, Contact No. - 9548732528
<b>Registration No./ CIN of FPO</b>	U01100UP2021PTC148701
<b>Date of Registration</b>	7/31/2021
<b>Total membership</b>	375
<b>Share capital of FPO</b>	Rs. 6,60,000/-
<b>Nature of Business</b>	Khoya & Desi Ghee, Tie-up with Amul in Raw Milk (Under Process), Input Supply ( Cattle feed, khal and Choker)
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	B
<b>E-NAM</b>	Registered
<b>Input License</b>	FSSAI
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	No
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	Rs. 10,00,000/-
<b>Turn Over FY 2022-23</b>	Rs.17,80,000/-
<b>Products</b>	Marketing of Mustard Oil,Ghee, Khoya and Paneer



Training programme for the farmers of FPO



Interaction with the farmers of FPO

## 9.8 Dudhshakti Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	Vill- Nayagaon, Block- Nakur, Distt. Saharanpur, Pin Code-247342 Uttar Pradesh dudhshaktipl@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Satyapal Singh, Contact No. 7078790720
<b>Registration No./ CIN of FPO</b>	U01100UP2021PTC151077
<b>Date of Registration</b>	8/25/2021
<b>Total membership</b>	332
<b>Share capital of FPO</b>	Rs. 4,60,000/-
<b>Nature of Business</b>	Khoya & Desi Ghee, Tie-up with Amul in Raw Milk (Under Process)
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	B
<b>E-NAM</b>	Registered
<b>Input License</b>	FSSAI
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	No
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	Rs. 10,00,000/-
<b>Turn Over FY 2022-23</b>	Rs.13,40,000/-
<b>Products</b>	Ghee, Khoya and Paneer & Mustard oil



Training programme for the farmers of FPO



Interaction with the farmers of FPO

## 9.9 Pilana Farmer Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	C/o Saguwa Pilana Khas Baghpat Uttar Pradesh 250615   pilanafpo@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Vinod Tyagi, Contact No.- 9719226090 Mr. Bijendra Tyagi Contact No.7500153370
<b>Registration No./ CIN of FPO</b>	U01100UP2021PTC149596
<b>Date of Registration</b>	26/07/2021
<b>Total membership</b>	320 (Male 306 & Female 14)
<b>Share capital of FPO</b>	Rs. 6,65,000/-
<b>Nature of Business</b>	1.Jaggery and Vegetable processing 2. Sugarcane & Vegetable 3. Pesticide & Seed 4. Drip Agenc
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	N/A
<b>E-NAM</b>	Registered
<b>Input License</b>	FSSAI, GST Registration, Pesticide & Seed License
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	N/A
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	Rs. 10,00,000/-
<b>Turn Over FY 2022-23</b>	Rs. 15,00,000/-
<b>Products</b>	Seed, Pesticide, Jaggery & Vegetable



Demonstration of vegetable farming to FPO members



Interaction with members of FPO

## 9.10 Antral Dairy Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	2, VILLAGE TYODHI, BAGHPAT, Baghpat, Uttar Pradesh, India 250611   antraldfpo@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Praveen Sharma, Contact No.- 9557048111
<b>Registration No./ CIN of FPO</b>	U01111UP2021PTC156928
<b>Date of Registration</b>	15/12/2021
<b>Total membership</b>	150 (60 Male & 80 Female)
<b>Share capital of FPO</b>	Rs. 3,50,000/-
<b>Nature of Business</b>	1. Processing & packaging of milk 2. Milk product such as, Curd, Paneer, Mawa, Ghee, and Butter 3. Sweets (Barfi Peda, Ghevar, Gulab Jamun, Chhaina and Baalushai)
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	B
<b>E-NAM</b>	Registered
<b>Input License</b>	FSSAI & GST Registration
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	N/A
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	Rs. 10,00,000/-
<b>Turn Over FY 2022-23</b>	Rs. 15,00,000/-
<b>Products</b>	Milk, Dairy Products and Sweets



Interaction with members of FPO



Visit of officials at FPO

## 9.11 Aligarh Potato Seed Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	Jitendra singh, Vill. Heerpur,Husainpur,Aligarh 202123, E-mail: Aligarhpotatoseed2022@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Jitendra Singh Contact No. 8630372106
<b>Registration No./ CIN of FPO</b>	U01100UP2022PTC175270
<b>Date of Registration</b>	19th December 2022
<b>Total membership</b>	307
<b>Share capital of FPO</b>	Rs. 6,94,000/-
<b>Nature of Business</b>	Potato Seed
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	NA
<b>E-NAM</b>	Registered
<b>Input License</b>	Seed License, FSSAI, Agri Input
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	No
<b>CCDP</b>	No
<b>Market committee License</b>	No
<b>CC Limit</b>	No
<b>Authorized capital</b>	Rs. 15,00,000/-
<b>Turn Over FY 2022-23</b>	Rs. 54,000/-
<b>Products</b>	No



Interaction with members of FPO



Inaugural program of FPO

## 9.12 Gangiri Maize & Potato Processing Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	C/o Kapil Sharma, Village Rehmapur Alampur Rani, C.D Aligarh, 202129
<b>Name &amp; contact no. of contact person of FPO</b>	Kapil Sharma
<b>Registration No./ CIN of FPO</b>	U01100UP2022PTC175045
<b>Date of Registration</b>	14th December 2022
<b>Total membership</b>	312
<b>Share capital of FPO</b>	Rs. 6,94,000/-
<b>Nature of Business</b>	Maize & potato processing
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	NA
<b>E-NAM</b>	Registered
<b>Input License</b>	Seed License Agri Input
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	No
<b>CCDP</b>	No
<b>Market committee License</b>	No
<b>CC Limit</b>	No
<b>Authorized capital</b>	Rs. 15,00,000/-
<b>Turn Over FY 2022-23</b>	Rs. 67,000/-
<b>Products</b>	No



Interaction with farmers of FPO



Mobilisation of farmers of FPO

## 9.13 Dairo Greens Milk Producer Company Limited

Address of Reg Office of FPO with e-mail ID	Village-Rindal, Karnal
Name & contact no. of contact person of FPO	Mr. Rohit Kumar, Contact No.: 9466623123
Registration No./ CIN of FPO	U01500HR2023PTC110402
Date of Registration	03rd April 2023
Total membership	N/A
Share capital of FPO	Rs. 5,00,000/-
Nature of Business	Dairy Farming
No. of BOD Members	5
Rating/Grading	N/A
E-NAM	N/A
Input License	N/A
Compliances under MCA	N/A
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC Limit	N/A
Authorized capital	10 Lakhs
Turn Over FY 2022-23	N/A
Products	Prospective item- Milk, Ghee, Paneer & Khoya etc.



Training program for farmers of FPO



Mobilisation of farmers of FPO



## 9.14 Shiv Gorakh Farmers Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	Village-Uncha Samana, Gharaunda, Karnal
<b>Name &amp; contact no. of contact person of FPO</b>	Mr. Man Mohan, Contact No.: 9991041234
<b>Registration No./ CIN of FPO</b>	U01611HR2023PTC110617
<b>Date of Registration</b>	03rd April 2023
<b>Total membership</b>	N/A
<b>Share capital of FPO</b>	Rs. 5,00,000/-
<b>Nature of Business</b>	Dairy Farming
<b>No. of BOD Members</b>	5
<b>Rating/Grading</b>	N/A
<b>E-NAM</b>	N/A
<b>Input License</b>	N/A
<b>Compliances under MCA</b>	N/A
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	N/A
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	10 Lakhs
<b>Turn Over FY 2022-23</b>	N/A
<b>Products</b>	Prospective item- Milk, Ghee, Paneer & Khoya etc.



Mobilisation of farmers of FPO



Training program for FPO members

## 9.15 AgricoIn Fed Farmer Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	Address: Partawal Chowk, Kaptanganj Road, Partawal, Maharajganj-273301, Uttar Pradesh e-mail ID: agricoIn.fpo2023@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Pramod Kumar Patel Mobile no. 9935823451
<b>Registration No./ CIN of FPO</b>	U01611UP2023PTC183221
<b>Date of Registration</b>	01/06/2023
<b>Total membership</b>	83
<b>Share capital of FPO</b>	Rs. 86500/-
<b>Nature of Business</b>	Production of vegetables and medicinal plant Input supply (Pesticides, fertilizer, vermicompost & Seeds)
<b>No. of BOD Members</b>	10
<b>Rating/Grading</b>	N/A
<b>E-NAM</b>	Registered
<b>Input License</b>	N/A
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	N/A
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	10 Lakh
<b>Turn Over FY 2022-23</b>	N/A
<b>Products</b>	N/A



Interaction with farmers of FPO



Mobilisation of farmers of FPO

## 9.16 Paniyara Fed Vegetable Farmer Producer Company Limited

Address of Reg Office of FPO with e-mail ID	Add- Beltikara, Rajaurakhurd, Paniyara, Maharajganj - 273158,Uttar Pradesh e-mail: paniyara.vegfpo@gmail.com
Name & contact no. of contact person of FPO	Deepchandra Gupta Mobile number: 9628196491
Registration No./ CIN of FPO	U01611UP2023PTC181440
Date of Registration	04/05/2023
Total membership	75
Share capital of FPO	Rs. 1,32,000/-
Nature of Business	Production and marketing
No. of BOD Members	10
Rating/Grading	N/A
E-NAM	Registered
Input License	N/A
Compliances under MCA	Completed
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC Limit	N/A
Authorized capital	10 Lakh
Turn Over FY 2022-23	N/A
Products	N/A



Awareness program for farmers of FPO



Training program for farmers of FPO

## 9.17 Adigaauri Fed Farmer Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	Add: Mahuari,Lalpur,Brijmanganj, Maharajganj -273157 e-mail ID: adigaaurifpo2023@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Padmendra Singh Mobile no. 7236002675
<b>Registration No./ CIN of FPO</b>	U01611UP2023PTC183357
<b>Date of Registration</b>	02/06/2023
<b>Total membership</b>	67
<b>Share capital of FPO</b>	Rs. 78,500/-
<b>Nature of Business</b>	Bulk production and marketing Input supply (Pesticides, fertilizer, vermicompost & Seeds).
<b>No. of BOD Members</b>	10
<b>Rating/Grading</b>	N/A
<b>E-NAM</b>	Registered
<b>Input License</b>	N/A
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	N/A
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	10 Lakh
<b>Turn Over FY 2022-23</b>	N/A
<b>Products</b>	N/A



Interaction with farmers



Interaction with farmers

## 9.18 Siswa Maharaj Banana & Vegetables Fed Farmer Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	Add: House n. 2, Near Police Chowki, Bandi Dhala, Munderi, Siswa, Maharajganj-273151 e-mail ID: siswamrj.bnanafpo1278@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Virendra Pal   Mobile number. 9454383651
<b>Registration No./ CIN of FPO</b>	U01611UP2023PTC181278
<b>Date of Registration</b>	01/05/2023
<b>Total membership</b>	48
<b>Share capital of FPO</b>	Rs. 35,000/-
<b>Nature of Business</b>	Production of vegetables and banana
<b>No. of BOD Members</b>	10
<b>Rating/Grading</b>	N/A
<b>E-NAM</b>	Under process
<b>Input License</b>	N/A
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	N/A
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	10 Lakh
<b>Turn Over FY 2022-23</b>	N/A
<b>Products</b>	N/A



Interaction with farmers



Interaction with farmers

## 9.19 Sohagibarwa Vegetables Fed Farmer Producer Company Limited

<b>Address of Reg Office of FPO with e-mail ID</b>	Add: NH-730,Police Chowki, Pakara Chauraha, Maharajganj, Maharajganj-273303 e-mail ID: svegetables.fpo186@gmail.com
<b>Name &amp; contact no. of contact person of FPO</b>	Govind Yadav Mobile no. 8881643567
<b>Registration No./ CIN of FPO</b>	U01611UP2023PTC186328
<b>Date of Registration</b>	26/07/2023
<b>Total membership</b>	15
<b>Share capital of FPO</b>	Rs. 1,05,000/-
<b>Nature of Business</b>	Vegetables Production and Bulk marketing
<b>No. of BOD Members</b>	10
<b>Rating/Grading</b>	N/A
<b>E-NAM</b>	Under process
<b>Input License</b>	N/A
<b>Compliances under MCA</b>	Completed
<b>Custom Hiring Centre</b>	N/A
<b>CCDP</b>	N/A
<b>Market committee License</b>	N/A
<b>CC Limit</b>	N/A
<b>Authorized capital</b>	10 Lakh
<b>Turn Over FY 2022-23</b>	N/A
<b>Products</b>	N/A



Awareness program for farmers of FPO



Mobilisation of farmers

# FINANCIALS

**AYURVET RESEARCH FOUNDATION**  
4TH FLOOR, SAGAR PLAZA, DIST.CENTRE, LAXMI NAGAR, DELHI -110092

BALANCE SHEET AS AT 31st MARCH, 2023

PARTICULARS	SCHEDULES	AS AT 31ST MARCH,2023 (Rs.)	AS AT 31ST MARCH,2022 (Rs.)		
<b><u>SOURCES OF FUNDS</u></b>					
TRUST FUND		3,18,25,000	3,18,25,000		
CORPUS FUND		4,50,00,000	2,00,00,000		
GRANTS	A	4,33,637	13,50,163		
GRANT AGAINST FIXED ASSETS		41,26,678	41,26,678		
ACCUMULATED DEPRECIATION	B	2,74,47,776	2,48,14,532		
<b>TOTAL</b>		<b>10,88,33,091</b>	<b>8,21,16,373</b>		
<b><u>APPLICATION OF FUNDS</u></b>					
FIXED ASSETS	B	4,66,47,343	4,42,72,026		
FIXED ASSETS AGAINST GRANT	BA	41,26,678	41,26,678		
<b>CURRENT ASSETS, LOANS AND ADVANCES :</b>	C				
A) SUNDRY DEBTORS		6,35,050	5,01,980		
B) CASH & BANK BALANCES		54,27,636	32,09,633		
C) INVESTMENTS		4,05,00,000	2,15,00,000		
D) LOANS & ADVANCES		40,24,295	10,53,840		
		5,05,86,980	2,62,65,453		
LESS: CURRENT LIABILITIES AND PROVISIONS	D	38,65,679	4,67,21,301	31,65,293	2,31,00,160
INCOME & EXPENDITURE A/C		1,13,37,769			1,06,17,509
<b>TOTAL</b>		<b>10,88,33,091</b>	<b>8,21,16,373</b>		

NOTES TO ACCOUNTS 1 & 2

FOR SANDY ASSOCIATES  
CHARTERED ACCOUNTANTS  
FRN - 007337N

SANDEEP GUPTA  
PROPRIETOR  
M. NO - 086069



MOHANJI SAXENA  
MANAGING TRUSTEE

FOR AND ON BEHALF OF THE BOARD

PRADIP BURMAN  
CHAIRMAN/TRUSTEE

PLACE: DELHI  
DATED: 23rd May, 2023

# FINANCIALS

**AYURVET RESEARCH FOUNDATION**  
4TH FLOOR, SAGAR PLAZA, DIST.CENTRE, LAXMI NAGAR, DELHI -110092

**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31st March, 2023**

PARTICULARS	SCHEDULE	FOR THE YEAR	
		2022-23 (Rs.)	2021-22 (Rs.)
<b>A) INCOME</b>	E		
DONATIONS		2,62,45,283	2,00,00,000
INTEREST INCOME		18,51,372	12,03,875
GOVERNMENT GRANT UTILIZED		79,84,192	66,31,931
SALES		18,37,600	16,95,169
TRAINING FEE/OTHER INCOME		19,10,898	12,29,509
		<u>3,98,29,345</u>	<u>3,07,60,484</u>
<b>B) EXPENDITURE</b>			
EMPLOYEES COST	F	1,33,87,048	1,21,36,883
OTHER EXPENSES	G	2,45,29,313	1,81,70,364
DEPRECIATION	B	26,33,244	29,53,649
TOTAL NET EXPENDITURE		<u>4,05,49,605</u>	<u>3,32,60,896</u>
SURPLUS/DEFICIT FOR THE YEAR CARRIED DOWN		(7,20,260)	(25,00,412)
Prior Period Adjustments		-	(21,301)
SURPLUS/DEFICIT BROUGHT FORWARD		<u>(7,20,260)</u>	<u>(24,79,111)</u>
BALANCE CARRIED OVER TO BALANCE SHEET		(1,06,17,509)	(81,38,398)
		<u>(1,13,37,769)</u>	<u>(1,06,17,509)</u>

AS PER OUR REPORT OF EVEN DATED ATTACHED

FOR SANDY ASSOCIATES  
CHARTERED ACCOUNTANTS  
FRN - 007337N

  
SANDEEP GUPTA  
PROPRIETOR  
M. NO - 086069



FOR AND ON BEHALF OF THE BOARD

  
MOHANJI SAXENA  
MANAGING TRUSTEE

  
PRADIP BURMAN  
CHAIRMAN/TRUSTEE









PLACE: DELHI  
DATED: 23rd May, 2023



## Our Esteemed Collaborators

 <p>। पशुधनं निवृत्तं स्वलीकोपकारकम् ।</p>	<p><b>RAJUVAS</b></p>	<p><b>Rajasthan University of Veterinary and Animal Science Bikaner, Rajasthan</b></p>
	<p><b>DUVASU</b></p>	<p><b>U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalya Evem Go Anusandhan Sansthan, Mathura, U.P.</b></p>
	<p><b>MAFSU</b></p>	<p><b>Maharashtra Animal &amp; Fishery Sciences University Nagpur, Maharashtra</b></p>
	<p><b>NDVASU</b></p>	<p><b>Nanaji Deshmukh Veterinary and Animal Science University Jabalpur, M.P.</b></p>
	<p><b>LUVAS</b></p>	<p><b>Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana</b></p>
 <p>NABARD</p>	<p><b>NABARD</b></p>	<p><b>National Bank for Agriculture and Rural Development</b></p>
 <p>अत्ते ज्ञानान्नं मुक्तिः</p>	<p><b>GLA</b></p>	<p><b>Ganeshi Lal Aggarwal University, Mathura, U.P.</b></p>
	<p><b>SKUAST-J</b></p>	<p><b>Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu, J&amp;K</b></p>

## Our Esteemed Collaborators

	<p><b>AAU</b></p>	<p><b>Assam Agricultural University, Jorhat, Assam</b></p>
	<p><b>NMPB</b></p>	<p><b>National Medicinal Plant Board, New Delhi</b></p>
	<p><b>CAU</b></p>	<p><b>Central Agriculture University, Imphal, Manipur</b></p>
	<p><b>SVPUAT</b></p>	<p><b>Sardar Vallabhbhai Patel University of Agriculture &amp; Technology, Meerut</b></p>
	<p><b>NABCON</b></p>	<p><b>NABARD Consultancy Services Private Limited</b></p>
	<p><b>NDRI</b></p>	<p><b>National Dairy Research Institute, Karnal</b></p>
	<p><b>SHOBHIT</b></p>	<p><b>Shobhit University, Meerut</b></p>
	<p><b>RGIPT</b></p>	<p><b>Rajiv Gandhi Institute of Petroleum Technology, Amethi</b></p>

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## NOTES

# 1 Health



**One Health is the collaborative efforts of multiple disciplines working locally, nationally, and globally to attain optimal health for People, Animals and our Environment.**



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