



# ABOUT US

**PLANTICA FOUNDATION**  
DEHRADUN, UTTARAKHAND



Plantica Foundation, Registered under The Indian Trust Act, 1882 and Ministry of MSME Govt. of India, located at Dehradun, Uttarakhand, is an ISO 9001 : 2015 certified organization for quality standards. Since its establishment, Plantica is a key player for training and capacity building in Agriculture and its applications through training, education and research in India. The training, education and capacity building programmes of the academy are designed to meet the requirements of Professionals at working levels, fresh graduates, researchers, academia, farmers and decision makers.

## VISION

PLANTICA Vision is "To empower rural communities and individuals through Education, Sustainable Development, Vocational Training and Research. We envision a future where every individual, regardless of background, has the opportunity to thrive and contribute positively to society."

## MISSION

Empowering Rural Communities. Promoting Sustainable Development. Enhancing Vocational Skills. Fostering Innovation and Entrepreneurship. Building Partnerships. Research and Development. Community Engagement. Collaborate with local communities, governments, and other organizations.

# OUR CENTRES

PLANTICA - IARD, Dehradun

PLANTICA - IARD, Hill Centre, Uttarkashi

## RECOGNITION AND AFFILIATION

Recognized as authorized training and research centre by Sri Dev Suman Uttarakhand University, Kumaun University, Nainital and Uttarakhand Open University, Haldwani (Govt. of Uttarakhand)

Affiliated by VIPNET, Vigyan Prasar, Department of Science and Technology, Govt. of India as recognized Science Club in Uttarakhand



## OUR INITIATIVES

Association of Plant Science Researchers (APSR)

Established - 2017, [www.pgrindias.in](http://www.pgrindias.in)

Indian Academy of Rural Development (IARD)

Established - 2019, [www.plantica.in](http://www.plantica.in)

The PLANTA- Research Book Series

Published Since - 2020, [www.pgrindias.in](http://www.pgrindias.in)

Plantica Student Chapter

Initiated in- 2025, [www.plantica.in](http://www.plantica.in)



**BOARD OF GOVERNORS****Prof. (Dr.) A. K. Karnatak**

Vice Chancellor, MPUAT, Udaipur

**Prof. (Dr.) J. S. Chauhan**HOD, Seed Science and Technology  
H.N.B.G.U., Srinagar**Prof. (Dr.) G. K. Dhingra**Dean – School of Sciences,  
S.D.S.U. University, Pt. L. M. S. Campus, Rishikesh**ADVISORY BOARD****Prof. (Dr.) I. J. Gulati**Former Dean & Faculty Chairman  
SKRAU, Bikaner**Prof. (Dr.) A. C. Mishra**Director Research  
B.U.A.T., Banda, U.P.**Prof. (Dr.) Sanjay Sachan**Head- KVK, Rudraprayag  
G.B.P.U.A.T., Pant Nagar**DIRECTOR****Dr. Anoop Badoni, Ph.D., FAPSR, FIBTCA, FSABM**

Young Scientist - UCOST, Govt. of Uttarakhand (2008)

Young Scientist - J&amp;K-COST, Govt. of J&amp;K (2008)

International Fellowship - MST, PR China (2009)

Senior Scientist

**TEAM PLANTICA****INCHARGE - ANIMAL PRODUCTION**Dr. A. K. Nainwal,  
*Ph.D. (Livestock)*  
Senior Scientist**RESEARCH HEAD**Dr. Vinay Chamoli  
*Ph.D., ICAR-NET*  
Scientist**ZOOLOGIST AND ENVIRONMENTALIST**Dr. Pallavi Chauhan  
*Ph.D. (Zoology)*  
Senior Scientist**CHIEF ADMIN OFFICER (CAO)**Mr. Chandan Kumar  
*Ph.D. (P), M.Sc. (Ag)*  
Scientific Officer**CENTRE HEAD**Ms. Vandana Petwal  
*Ph.D. (P), M.Sc. (Ag)*  
Scientific Officer**CENTRE COORDINATOR UTTARKASHI**Mr. Suraj Joshi  
*M.Sc.(P), B.Sc.(Ag)*  
Technical Associate**VISITING FACULTY****Mr. Himanshu Malhotra***Ph.D.(P), MBA*  
*Agri Business Management (ABM)***Mr. Adarsh Dangwal***Ph.D.(P), M.Sc. (Ag.)*  
*Agronomy***Mr. Naveen Chandra***Ph.D.(P), M.Sc. (Ag.)*  
*Horticulture***Mr. Ashish Negi***Ph.D.(P), M.Sc. (Ag.)*  
*Agronomy*

# COLLABORATION (MOU) WITH UTTARAKHAND GOVERNMENT ORGANIZATIONS



“ Sri Dev Suman Uttarakhand University (SDSUU)  
(Pt. L. M. S. Campus, Rishikesh)  
A Govt. University of Uttarakhand  
2021



“ Uttarakhand Open University (UOU)  
Haldwani, Uttarakhand  
A Govt. University of Uttarakhand  
2022



“ Kumaun University, Nainital  
A Govt. University of Uttarakhand  
2024



## OTHER COLLABORATIONS (MOU)

> HARIDWAR UNIVERSITY,  
ROORKEE

> G. D. GOENKA UNIVERSITY,  
NOIDA

> DAV UNIVERSITY,  
JALANDHAR,  
PUNJAB

> GEETA UNIVERSITY,  
PANIPAT

> ITM UNIVERSITY,  
GWALIOR, M.P.

> RIMT UNIVERSITY,  
PUNJAB

> UTTARANCHAL UNIVERSITY,  
DEHRADUN

> H.I.T.,  
DEHRADUN

> CHAMAN LAL MAHAVIDHYALAYA,  
LANDHAUR

> GOVT. P. G. COLLEGE,  
PUROLA

> GOVT. P. G. COLLEGE,  
MALDEVTA, RAIPUR

> GOVT. P. G. COLLEGE,  
DOIWALA, DEHRADUN

> J.B.I.T. COLLEGE,  
DEHRADUN

> TULA'S INSTITUTE,  
DEHRADUN

> DOLPHIN P.G. INSTITUTE,  
DEHRADUN

> DOON (P.G.) COLLEGE,  
DEHRADUN

# WHAT PLANTICA DO.....

## 1 PLANTICA - INDIAN ACADEMY OF RURAL DEVELOPMENT (IARD) (Agriculture Training and Research Centre) - www.plantica.in

Provide skill and entrepreneurship development Training and Internship to the farmers, students and individuals

Conduct Research; provide guidance and facilities to the researchers;  
Conduct M.Sc. and Ph.D. Research trials for thesis work

### OUR PROGRAM / TRAINING COURSES

> B.SC. PROJECT / DISSERTATION	> M.SC. THESIS / DISSERTATION	> RESEARCH INTERNSHIP	> WEEKLY / MONTHLY INTERNSHIP	> ANIMAL HUSBENDRY
> READY - RAWE / RHWE, AGRO INDUSTRIAL ATTACHMENT	> EXPERIENTIAL LEARNING PROGRAM (ELP)	> SOIL, WATER, PLANT & SEED TESTING	> MUSHROOM CULTIVATION	> FARMING & BUSINESS MANAGEMENT
> BEE KEEPING (APPICULTURE)	> ORGANIC & NATURAL FARMING	> PLANT HEALTH CLINIC	> FOOD PROCESSING	> ENTREPRENEURIAL AGRICULTURE

### SOIL , WATER & PLANT TESTING LABORATORY SEED TESTING LABORATORY

PLANTICA- Soil, Water, Plant and Seed Testing Laboratory is a specialized facility located in Banjarawala, Dehradun, Uttarakhand, offering a comprehensive range of tests to the farmers and researchers, to assess the health and quality of soil, water, plants and seed, includes Nitrogen, Phosphorus, Potash, OC, pH, EC, WHC, Texture, Chlorophyll, TDS, Seed Purity, Germination, Viability, Vigor, Moisture and Seed Health Test etc.



### # FACILITIES AVILABLE

- Soil, Water and Plant Testing Laboratory
- Seed Testing Laboratory
- Agro Industrial Production and Demonstration Centre including following units: Azolla Cultivation, Bee Keeping, Vermicomposting, NADEP Composting, Natural Insecticide Production, Natural Fertilizer Production, Natural Fungicide Production, Soil Mixture Production and Packaging Units
- Food Processing and Mushroom Cultivation Unit
- Animal Production Unit including Dairy and Poultry Farm
- Agriculture Research Farm (Field)

# WHAT PLANTICA DO.....

# 2

## PLANTICA - ASSOCIATION OF PLANT SCIENCE RESEARCHERS (APSR)

(Plantica Group of Researchers- PGR, India ) - [www.pgrindias.in](http://www.pgrindias.in)

APSR, Organize National and International Conferences, Workshops, Seminar and Symposiums to encourage knowledge exchange and innovation in plant sciences, Since 2018

APSR Published high-quality articles in plant science journal "The PLANTA Research Book Series" ISSN: 3048-8494, Impact Factor: 1.49, Since 2020

APSR recognize and reward excellence in plant science research to young researchers, scientist and academicians through Plantica Annual Academic and Research Awards since 2018

### CONFERENCE (PSRM)

**1st Plant Science Researchers Meet (PSRM)** National Conference - 2018  
at Town Hall, Dehradun

**3rd Plant Science Researchers Meet (PSRM)** National Conference - 2020  
on Virtual Mode

**5th Plant Science Researchers Meet (PSRM)** National Conference - 2022  
at Uttarakhand Open University, Haldwani

**7th Plant Science Researchers Meet (PSRM)** National Conference - 2024  
at Geeta University, Panipa

**2nd Plant Science Researchers Meet (PSRM)** National Conference - 2019  
at Uttarakhand Technical University, Dehradun

**4th Plant Science Researchers Meet (PSRM)** National Conference - 2021  
at Uttaranchal University, Dehradun

**6th Plant Science Researchers Meet (PSRM)** National Conference - 2023  
at Geeta University, Panipat

**8th Plant Science Researchers Meet (PSRM)** National Conference - 2025  
to be conducted...

### SEMINAR / WORKSHOP

**National Seminar on Ensuring Food and Nutritional Security**, 16 October, 2019,  
At RIMT University, Punjab

**National Level Agri Entrepreneur Business Summit** , 08 - 09 August, 2020,  
At PLANTICA, Dehradun

**National Seminar on Mushroom Cultivation with ABM**, 08 - 09 May, 2023,  
At Uttarakhand Open University, Haldwani

**National Webinar on Zero Budget Natural Farming**, 06 - 07 June, 2020  
At PLANTICA, Dehradun

**National Seminar on Agri Entrepreneurship**, 03 May, 2024  
At RIMT University, Punjab

**National Workshop on Agri Entrepreneur**, 30 - 31 August, 2024,  
At S.D.S.U. University, Campus-Rishikesh

# 3

## THE PLANTA RESEARCH BOOK SERIES (ISSN: 3048-8494)

(Plantica Group of Researchers- PGR, India ) - [www.pgrindias.in](http://www.pgrindias.in)

Published Biannually in April and October Month

The PLANTA Research Book Series is dedicated to advancing the understanding of Agriculture, Horticulture, Forestry, Applied and Life Sciences, Plant Biology, Ecology, Physiology, Genetics, and Related fields. It serves as a platform for high-quality, original research, reviews, and perspectives that contribute to the broader knowledge of plant sciences.

The PLANTA RBS provides a forum to the scientific community to publish Original Articles, Reviews, General Articles and Short Communications on the areas Agriculture, Applied and Life Sciences.

# PLANT SCIENCE RESEARCHERS MEET (PSRM) NATIONAL CONFERENCE

----- | SINCE 2018

1<sup>ST</sup> PSRM, 2018

DEHRADUN



2<sup>ND</sup> PSRM, 2019

U.T.U., DEHRADUN



3<sup>RD</sup> PSRM, 2020

ONLINE



4<sup>TH</sup> PSRM, 2021

UTTARANCHAL UNIVERSITY, DEHRADUN



5<sup>TH</sup> PSRM, 2022

U.O.U., HALDWANI



6<sup>TH</sup> PSRM, 2023

GEETA UNIVERSITY, PANIPAT



7<sup>TH</sup> PSRM, 2024

KUMAUN UNIVERSITY, NAINITAL



8<sup>TH</sup> PSRM, 2025



PLANTICA  
ANNOUNCED SOON



# ACTIVITIES AND EVENTS

**AWARENESS PROGRAM ON SAVE SOIL THROUGH NATURAL FARMING**

| 08 DECEMBER, 2024  
 Prof. (Dr.) A. K. Karnatak,  
 Vice Chancellor, M.P.U.A.T., Udaipur  
 Prof. (Dr.) G. K. Dhingra  
 Dean of Sciences, SDSUU, Rishikesh



**NATIONAL WORKSHOP ON AGRI ENTREPRENEURSHIP:360 FROM FARM TO MARKET**

| 30 - 31 AUGUST, 2024  
 Shri Dinesh Chandra  
 Registrar, SDSUU, Tehri  
 Prof. (Dr.) G. K. Dhingra  
 Dean of Sciences, SDSUU, Rishikesh



**NATIONAL SYMPOSIUM ON CULTIVATING THE FUTURE: SUSTAINABLE PRACTICES IN AGRICULTURE**

| 30 SEPTEMBER, 2024  
 Dr. Pooja Kaintura  
 Ph.D., ICAR-NET  
 Dr. Vinay Chamoli  
 Scientist, Plantica - IARD



**INTERNATIONAL NUTRITIOUS (MILLET) GRAIN YEAR 2023**

| 21 JANUARY, 2023  
 Prof. (Dr.) Durgesh Pant  
 D. G., UCOST, Dehradun  
 Prof. (Dr.) G. K. Dhingra  
 Dean of Sciences, SDSUU, Rishikesh



**NATIONAL SEMINAR CUM WORKSHOP ON MUSHROOM CULTIVATION AND ABM**

| 08 - 09 MAY, 2023  
 Mr. Anup Shah  
 Padam Shri  
 Prof. (Dr) O. P. S. Negi  
 Vice Chancellor, U.O.U., Haldwani



**VISIT CUM TRAINING FOR DEFENSE PEOPLE**

| 27 FEBRUARY, 2024  
 Institute of corporative  
 Management (ICM), Ministry of  
 Cooperation, Gov. of India



**FARMER'S VISIT FOR NATURAL FARMING**

| 29 FEBRUARY, 2024  
 JIVA FOUNDATION under NABARD,  
 Govt. of Uttarakhand



**VISIT OF STUDENTS FROM IGNOU**

| 02 OCTOBER, 2024  
 Indira Gandhi National Open  
 University, Centre- Dehradun



**EDUCATIONAL VISIT CUM TRAINING**

| 24 - 28 FEBRUARY, 2024  
 G. D. Goenka University, Noida  
 (ICAR Accredited University)





# GOVERNMENT FUNDED PROJECTS

- **FARMER TRAINING ON AGRO FORESTRY 27 MARCH, 2025**  
**Funded by:** Van Panchayat, Dhauntri / Lamgaun, Bhoomi Sanrakshan Van Prabhag, Department of Forest, District Uttarkashi (Govt. of Uttarakhand)
- **SATE LEVEL FARMER TRAINING ON NATURAL FARMING, 17 -21 MARCH, 2025**  
**Funded by:** ATMA Project, Department of Agriculture, District- Rudraprayag, Govt. of Uttarakhand
- **SATE LEVEL FARMER TRAINING ON NATURAL FARMING, 16 -17 MARCH, 2025**  
**Funded by:** ATMA Project, Department of Agriculture, District- Chamoli, Govt. of Uttarakhand (Vikaskhand-Karnprayag)
- **SATE LEVEL FARMER TRAINING ON NATURAL FARMING, 10 -11 MARCH, 2025**  
**Funded by:** ATMA Project, Department of Agriculture, District- Chamoli, Govt. of Uttarakhand (Vikaskhand-Pokhri)
- **FARMER TRAINING ON MUSHROOM CULTIVATION AND BEE KEEPING, 10-11 MARCH., 2025**  
**Funded by:** Van Panchayat, Dhauntri / Lamgaun, Bhoomi Sanrakshan Van Prabhag, Department of Forest, District Uttarkashi (Govt. of Uttarakhand)
- **FARMER TRAINING ON MUSHROOM CULTIVATION AND BEE KEEPING, 03-05 MARCH, 2025**  
**Funded by:** Van Panchayat, Dharasu, Tehri Dam Van Prabhag-II, Department of Forest, District Uttarkashi (Govt. of Uttarakhand)
- **SATE LEVEL FARMER TRAINING ON BEE KEEPING, 22 -24 FEBRUARY, 2025**  
**Funded by:** ATMA Project, Department of Agriculture, District- Chamoli, Govt. of Uttarakhand (Govt. of Uttarakhand)
- **SATE LEVEL FARMER TRAINING ON FOOD PROCESSING, 16-18 JANUARY, 2024**  
**Funded by:** ATMA Project, Department of Agriculture, District- Chamoli Govt. of Uttarakhand,
- **FARMER TRAINING ON BEE KEEPING AND UNIT ESTABLISHMENT, 14-16 APRIL, 2023**  
**Funded by:** Govind Pashu Vihar National Park, Department of Forest, Purola, Govt. of Uttarakhand
- **SATE LEVEL FARMER TRAINING ON MUSHROOM CULTIVATION AND BEE KEEPING , 21-25 MARCH, 2022**  
**Funded by:** ATMA Project, Department of Agriculture, District- Pauri Garhwal, Govt. of Uttarakhand
- **FARMER TRAINING ON MUSHROOM CULTIVATION AND BEE KEEPING AND UNIT ESTABLISHMENT, 25-28 NOV., 2022**  
**Funded by:** Govind Pashu Vihar National Park, Department of Forest, Purola, Govt. of Uttarakhand
- **SATE LEVEL FARMER TRAINING ON MUSHROOM CULTIVATION 26-30 MARCH, 2022**  
**Funded by:** ATMA Project, Department of Agriculture, District- Rudraprayag Govt. of Uttarakhand
- **TRAINING ON MUSHROOM CULTIVATION AND UNIT ESTABLISHMENT, 22-28 FEB.2022**  
**Funded by:** Mukhyamantri Navachaar Yojna, Govt. of Uttarakhand Support by Govt. P. G. College, Maldevta, Raipur, Dehradun
- **WORKSHOP ON AGRI ENTREPRENEURSHIP (HANDS-ON-TRAINING ON MUSHROOM CULTIVATION AND BEE KEEPING) 18-19 FEB., 2022**  
**Funded by:** USERC, Department of Information & Science Technology, Govt. of Uttarakhand
- **SATE LEVEL FARMER TRAINING ON MUSHROOM CULTIVATION 08-10 FEB., 2021**  
**Funded by:** ATMA Project, Department of Agriculture, District- Chamoli, Govt. of Uttarakhand
- **SATE LEVEL FARMER TRAINING ON MUSHROOM CULTIVATION 27-29 FEB., 2020**  
**Funded by:** ATMA Project, Department of Agriculture, District- Rudraprayag, Govt. of Uttarakhand



# RESEARCH PUBLICATION

**International Journal of Research in Agronomy 7(7): 418-421**

**NAAS Rating: 5.20, Publication Year: 2024**

Effect of Vermicompost based Zinc Application on Growth and Yield of Fodder Maize

*Vandana Petwal, Anoop Badoni, Deepali Joshi and Adarsh Dangwal*



**International Journal of Plant & Soil Science 35 (21): 728-734**

**NAAS Rating: 5.07, Publication Year: 2023**

Nutrient Analysis of Different Media Used for Nursery Production

*Alka Gupta, Nazneen Qureshi, Adarsh Dangwal, Chandan Kumar and Anoop Badoni*

**The Pharma Innovation Journal 12(9): 2017-2021**

**NAAS Rating: 5.02, Publication Year: 2023**

Effect of Natural Pelleting using Turmeric on Seed Germination of Okra crop

*Nazneen Qureshi, Anoop Badoni and Adarsh Dangwal*



**International Journal of Agriculture, Environment and Biotechnology 15(2): 153-156**

**NAAS Rating: 4.07, Publication Year: 2022**

Effect of Hot Water and  $H_2SO_4$  on Physical Dormancy in the Seeds of Sponge Gourd

*Shubha Hatwal, Anoop Badoni, Vinay Chamoli, Adarsh Dangwal, Ashish Negi and Chandan Kumar*







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TOUCH  
WITH US!**



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