



# PLANTICA

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Affiliated with BSS, National Development Agency Promoted by Planning Commission, Govt. of India



**(Since 2017)**  
**Education for All**



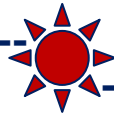


## Vision and Mission

**PLANTICA Vision** is to be one of the most pioneering, innovative, user-friendly and self – supported educational society, training and research centre/ institute in the world.

**PLANTICA Mission** is to facilitate the acquisition of technical skills by students and professionals in all sectors of agricultural/ plant science economy in order to enable them to provide most effective support and services to farmers and other agricultural and researchers' community for practicing sustainable agriculture and ensuring better income for their produce.

**What we do?** We are Researchers and Training Providers who offer agricultural/ plant science related need based training programs to the students of School, Under Graduate - Post Graduate courses and to the young professional / researchers who want to be an entrepreneur in agriculture sector. We also publish Journals, Books and educational materials for Farmers, Students and Researchers.



## Programmes Offered

Diploma in Agriculture

Diploma in Horticulture

Diploma in Food Technology

Diploma in Plant Protection

Diploma in Agro Based Industrial Management

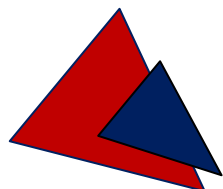
Post Graduate Certificate in Agri Business  
Management

Certificate Training Courses

M.Sc. Thesis Work

Ph.D./ Research Work





## Approvals & Accreditation



The Indian Trust Act, 1882  
Govt. of India



National Development Agency Established by  
Planning Commission, Govt. of India

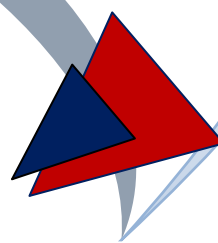


ISO 9001:2015 Certified  
for Quality Standards

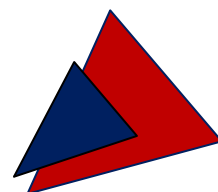
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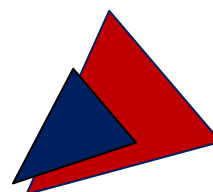
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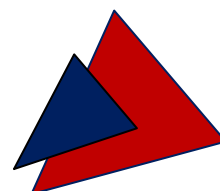
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University, Bikaner



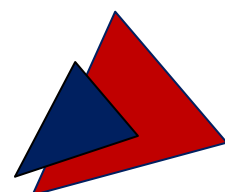
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HNBGU (A Central University)  
Srinagar, U.K.



**Prof. (Dr.) J. S. Chauhan**  
Dean – Agriculture and Allied Science  
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Srinagar, U.K.



**Dr. A. C. Mishra**  
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Banda, U.P.







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Agriculture, Horticulture, Sericulture

Government of Uttarakhand

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Letter No. 333  
Date 04/01/2018

**Message**

Dear Dr. Badoni

It is matter of immense pleasure that PLANTICA – Journal of Plant Science published by Association of Plant Science Researchers, Dehradun, organizing one day National Conference on “Current Research and Development in Plant Sciences” during January, 28<sup>th</sup>, 2018. It will definitely boost our scientists, researchers and academicians to work in this field.

The organizers have chosen a very interesting topic for deliberation as research and development in plant sciences are important means in day-to-day life for humans, animals as well as environment. It is supported by a large technically sound and talented pool and with tremendous opportunities of growth in Agriculture, Environment and public sector. It has an amazing potential in a developing economy.

On my personal behalf and on behalf of the Ministry of Agriculture, Govt. of Uttarakhand, I wish a grand success to this event.

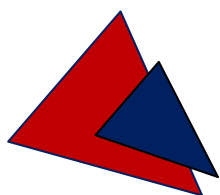
*Subodh Uniyal*  
(Subodh Uniyal)  
4/1/18

Dr. Anoop Badoni  
President  
Association of Plant Science Researchers  
Dehradun

Resi : R-3 Yamuna Colony, Dehradun, Uttarakhand

**Acknowledged by:**

**Shri Subodh Uniyal**  
Honorable Agriculture Minister  
Govt. of Uttarakhand,  
Dehradun



**Acknowledged by:**

**Shri Vinod Chamoli**  
Honorable Mayor and MLA,  
Govt. of Uttarakhand  
Dehradun

Nagar Nigam Dehradun

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निवास : (0135) 2676600  
फैक्स : (0135) 2651060  
पत्रांक : 636/म.न.281.8  
दिनांक : 21-01-2018

**Message**

It gives me immense pleasure that PLANTICA – Journal of Plant Science published by Association of Plant Science Researchers, Dehradun, Uttarakhand is organizing National Conference on “Current Research and Development in Plant Science” at Dehradun. The main objective of the conference is to encourage the exchange of scientific information on various and interdisciplinary aspects of plant sciences. The interactions would benefit the researcher’s community comprehensively and direct their educational efforts towards self-development and towards the development of the state Uttarakhand.

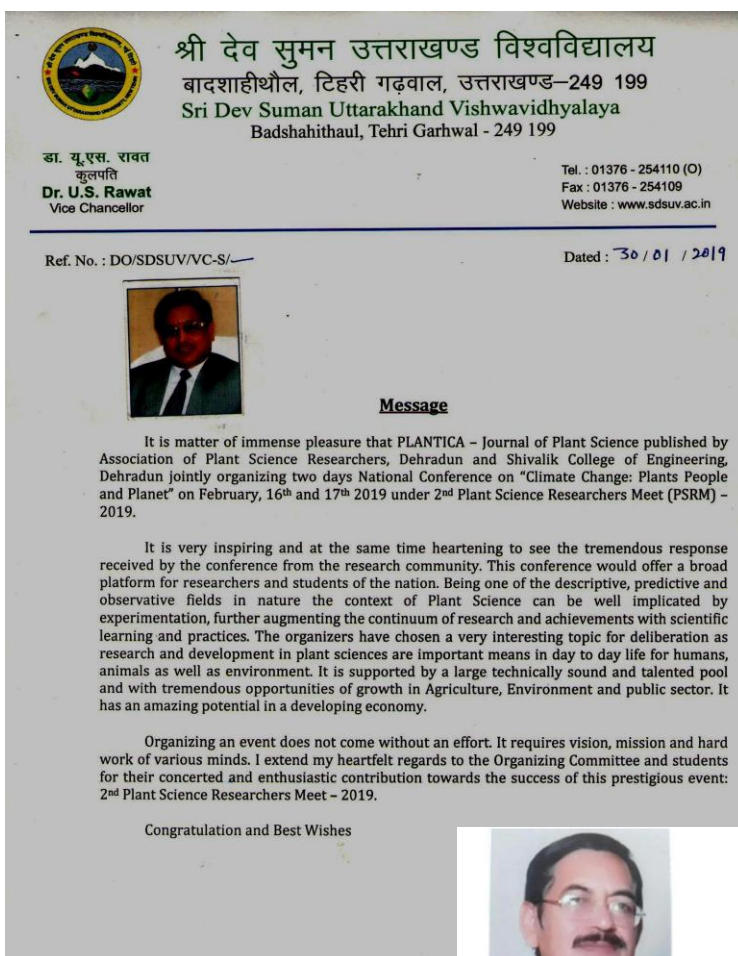
I congratulate the team for their organization and wish them all the best in their endeavor.

On behalf of Nagar Nigam Dehradun and on my personal behalf it is our pleasure to welcome you all in this Conference; I hope you will enjoy your stay in Dehradun, Uttarakhand.

*Vinod Chamoli*  
(Vinod Chamoli)  
Mayor and MLA



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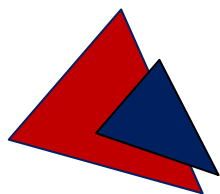


**Acknowledged by:**

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Honorable Vice Chancellor,  
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**Dr. R. K. Arora**  
M.Sc., Ph.D., ARS  
Ex- Principal Scientist  
CPRI - Indian Council of Agricultural Research



**Acknowledged by:**

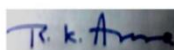
**Dr. R. K. Arora**  
Principal Scientist,  
CPRI - ICAR

**Message**

It is pleasure to know that PLANTICA - Journal of Plant Science published by Association of Plant Science Researchers, Dehradun, Uttarakhand is organizing a National Conference on "Current Research and Development of Plant Science" during 28<sup>th</sup> January, 2018. I complement the organizers to focus on the central theme of Plant Sciences, so very vital for the survival of our planet earth.

All efforts of developmental planning revolve around the central theme of PSRM how could current research on plant sciences be managed and used for socio- economic development and for conserving and/ or improving the environmental yardsticks in the region. Embedded in the word "management" is the concept of sustainable utilization, well within the carrying capacity of the system for the benefit of the present generation without compromising on the needs of future generations. Introduction of appropriate technology and enhanced cash flows through market economy are the primary concerns of village folks. Priorities in the list of elites may include, for example, income generating sectors like tourism, while industries may figure prominently in the wish list of unemployed youth, adequate availability of food in areas of limited agricultural land (and water), and provision of land stabilization measures in areas prone to natural disasters like floods and landslides, etc. An overarching theme that is likely to influence all above sectors is the potential effects of climate change. There is thus little commonality between the local and national or global priorities, and these may also change with time. The logical unifying principles of inducing sustainable development through proper management of the natural resource capital, it is suggested, can be attempted through appropriate technological interventions and innovations, in parallel with social awakening.

I wish every success to the proposed National conference on Plant Sciences, and hope that the deliberations and considered discussions will lead to a clearer path for action.



(R. K. Arora)





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**Till now PLANTICA, provided training to the students of the following Universities/ Institutions/ Colleges:**

1. Lovely Professional University, Jalandhar, Punjab
2. Dr. Bhimrao Ambedkar University, Agra, U.P.
3. Chandigarh University, Punjab
4. NIMS University, Jaipur, Rajasthan
5. Glocal University, Saharanpur, U.P.
6. Vivekanand Global University, Jaipur, Rajasthan
7. SGRR University, Dehradun, Uttarakhand
8. Quantum University, Roorkee, Uttarakhand
9. Uttaranchal University, Dehradun, Uttarakhand
10. Doon Institute of Management and Research, Rishikesh, Uttarakhand
11. Roorkee Institute of Technology, Roorkee, Uttarakhand
12. Roorkee College of Engineering, Roorkee, Uttarakhand
13. Uttaranchal (P.G.) College, Near ISBT, Dehradun, Uttarakhand

**PLANTICA, Provide Trainings in the following areas:**

1. Summer School on Agri – Entrepreneurship
2. Winter School on Agri – Entrepreneurship
3. Mushroom Cultivation
4. Food Processing – Value Addition
5. Organic Farming
6. Agri Business Management
7. Plant Health Clinic
8. Rural Agricultural Work Experience (RAWE)

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**PLANTICA - Let's have a Visit .....**



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**PLANTICA - Let's have a Visit .....**

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## Prominent Features



### Unique Academic Practices

Project Based Learning  
Industrial Internship  
Certification Training Program

The Core of Innovative Teaching and Learning



### Innovative Teaching Learning Methods

Industry Participation in Teaching – Learning  
Soft Skills, Life Skills and Open Electives  
Agricultural Innovative Projects  
Students Participation in Research Projects



### Career Counseling

Personalized Career Counseling and Guidance  
Encouragement and Guidance for Entrance/ Competitive Exams



### Assessment & Examination

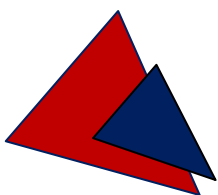
Formative and Summative Assessment Scheme  
Remedial Teaching  
Assessment Based on Hands-on Skill



### Placement Assessment

Placement Cell  
Personality Development Program  
Placement Assistance

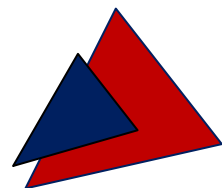
## Students' Welfare



Professional Skill Development  
Soft Skill Development  
Development of Oral and Written Communication Skill  
Yoga and Meditation  
Medical Facilities  
Educational Tours and Trips  
Development of Generic Skill

## Students' Placement

The Placement Cell at PLANTICA provides 100% assistance to the Students in entering the Industrial and corporate sector, They are prepared to handle the HR sessions, mock interviews, group discussions, online tests and other such practices which further enable them to achieve their objective and shape their professional career.



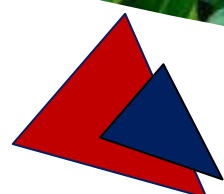
## Courses

Program/ Course	Duration	Admission Criteria/ Eligibility	Seats	Fee (Tuition Fee/ Year)
Diploma in Agriculture	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR
Diploma in Horticulture	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR
Diploma in Food Technology	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR
Diploma in Plant Protection	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR
Diploma in Agro Based Industrial Management	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR
Post Graduate Certificate in Agri Business Management	One Year	B.Sc.-Agriculture/ Horticulture and/ or BBA with 50% marks (45% for reserve category) from a recognized Board/ University	30	35, 000/- INR
Certificate Training Courses	Two and Seven Days and Three Months	Any One Who Interested	NA	02 Days – 1100/- INR 07 Days – 1600/- INR 03 Months – 2600/- INR
M. Sc. Thesis Work	Six Month	M. Sc. –Agriculture - Pursuing (Any Discipline)	NA	06 Months – 5500/ INR
Ph.D. Research Work	Three Years	Ph.D. – Pursuing	NA	25, 000/ INR/ Year





# Diploma in Agriculture



Diploma in Agriculture is a foundation program delivering an experience for students who are new to the agricultural sector. It offers the opportunity to understand the high-tech solutions being employed to ensure profitability and sustainability in agri-businesses today.

The curriculum varies, from learning about agricultural meteorology, soil science, production to protection of crops, and agriculture economics with a balanced summation of theory and practical. The final year of the course comprises hands-on training, which helps in tying up everything that the students have learned in the first year, to make students job-ready.

## Career Prospects

There are many opportunities in the agriculture sector for an agricultural professional. These professionals may get opportunities in major areas like:

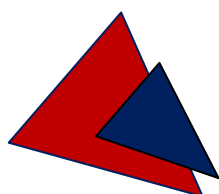
- Food production firms
- Agricultural firms
- Plantations
- Fertilizer manufacturing firms
- Agriculture machinery manufacturing firms

Candidates who would like to continue their studies can further study a Bachelor's and Master's degree in Agriculture. In this course, students gain those agricultural knowledge and skills which enable them to grab opportunities in various fields of agriculture with lucrative salary packages.

Program/ Course	Duration	Admission Criteria/ Eligibility	Seats	Fee (Tuition Fee/ Year)
Diploma in Agriculture	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR



# Diploma in Horticulture



Diploma in Horticulture is a specialized course in Horticulture. It can be taken up by students who are interested in plants, aesthetics and have a sense of creativity.

The various subjects taught in Diploma in Horticulture course include landscape management, landscape design, plant sciences, and protected cultivation and plant diseases and so on and so forth. Horticulture and nursery industry is growing by day. The management of different nurseries, gardens, landscapes requires skill sets and professionals in the field.

## Career Prospects

Students possessing Diploma in Horticulture have ample career options to choose from. They can find employment in various areas like public parks, residential areas, environmental protection organizations, urban spaces, NGOs, recreational areas, nurseries, gardens, landscapes, and sports turf management and so on.

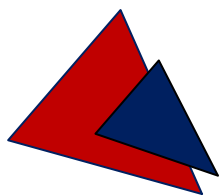
Program/ Course	Duration	Admission Criteria/ Eligibility	Seats	Fee (Tuition Fee/ Year)
Diploma in Horticulture	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR







# Diploma in Food Technology



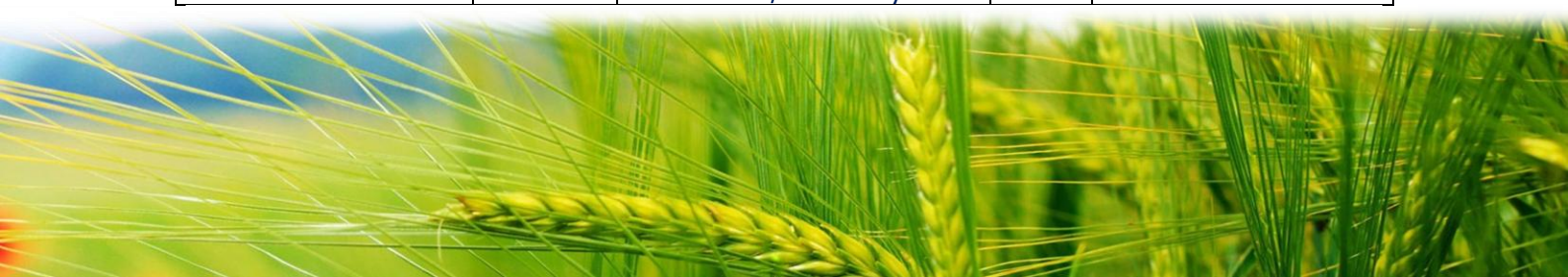
Food Technology is a science branch that deals with the techniques involved in production, processing, preservation, packaging, labeling, quality management, and distribution of food products. The field also involves techniques and processes that are used to transform raw materials into food. Extensive research goes behind making food items edible as well as nutritious.

Given the vast dimensions of food technology, it requires professionals and this has led to the emergence of food technology courses. There are a plethora of opportunities for students who wish to pursue a course in food technology. Graduates or postgraduates in the course can seek jobs in different domains such as restaurants, catering establishments, hospitals, food processing companies, etc.

## Career Prospects

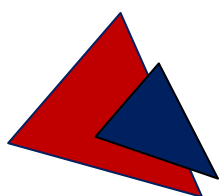
Diploma holders in food technology can take up jobs in different domains such as hospitals; restaurants; food processing companies; catering establishments; soft drink manufacturing firms; spice, cereal and rice mills; quality control organizations; food research laboratories; and packaging industries. Students with a graduate and postgraduate degree can also secure jobs at places such as biotechnology and bioinformatics companies, water conservation and research institutes, and pharmaceutical industry.

Program/ Course	Duration	Admission Criteria/ Eligibility	Seats	Fee (Tuition Fee/ Year)
Diploma in Food Technology	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR





# Diploma in Plant Protection



The aspirants of Diploma in Plant Protection program will be equipped with the theoretical, practical and business aspects of pests, diseases and weed problems of plants. The program will focus on imparting students with knowledge of how to protect plants using appropriate pest, disease and weed control techniques.

Crop losses due to pests and diseases account for about one-third of agricultural production costs in terms of chemicals, equipment and manpower. However, skills in identification of pests, diseases and available management strategies are largely lacking. There is, therefore, an established need to train manpower in all aspects of crop protection.

## Career Prospects

This diploma course is designed for staff in the agricultural industry: agricultural extension workers, farm managers and field technologists, staff in agricultural/education institutions, staff engaged in crop protection research, pesticide delivery service, and as a bridging course for high school graduates wishing to pursue degree programs.

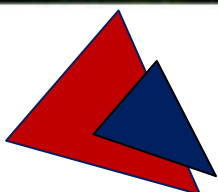
Program/ Course	Duration	Admission Criteria/ Eligibility	Seats	Fee (Tuition Fee/ Year)
Diploma in Plant Protection	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR







# Diploma in Agro Based Industrial Management



Agro Based Industrial Management is the branch of agro management that is concerned with the creation and management of productive systems. As a field of business administration, industrial management studies the structure and organization of industrial companies. It comprises those fields of business administration that are necessary for the company's success within the manufacturing sector. Its aim is to groom young managers who will not only design better procedures and systems but also manage the associated technologies successfully.

## Career Prospects

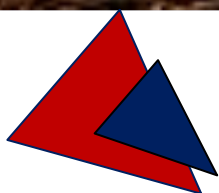
As the main responsibility of an Industrial Supervisor is usually to plan and control a schedule for production which takes into account resources, deadlines, and budgets. Candidates can opt for any of the following career roles in various production facilities across the country:

- Industrial Production Supervisor
- Construction Supervisor
- Compliance Officer/ Supervisor
- Production Supervisor
- Operations Supervisor
- Purchasing Officer/ Supervisor
- Quality Assurance Control Supervisor

Program/ Course	Duration	Admission Criteria/ Eligibility	Seats	Fee (Tuition Fee/ Year)
Diploma in Agro Based Industrial Management	Two Years	10 <sup>th</sup> Pass and/ or 10+2 with 45% marks (40% for reserve category) from a recognized Board/ University	50	20, 000/- INR



## Post Graduate Certificate in Agri Business Management



Agribusiness is a sub-field of business, management and organization studies that deals with making profit from agriculture and corporate farming. Agribusiness includes the production, processing, and inventory of agricultural goods. It involves the management of agronomic equipment and technologies, raw materials, suppliers, work force and other resources involved in agriculture. Similar disciplines include: animal management, forestry and nature management, management of the living environment, agricultural economics, and rural enterprise.

### Career Prospects

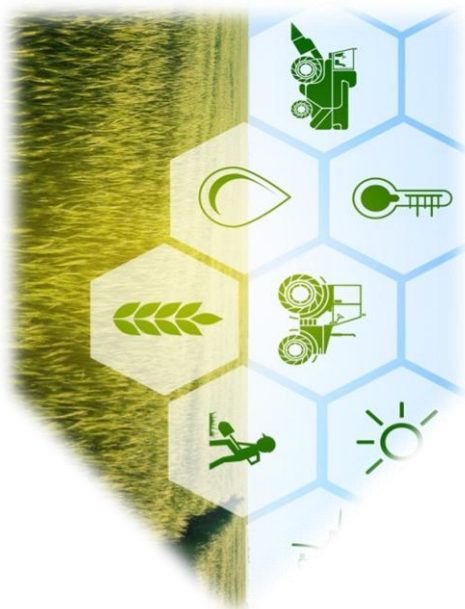
In India, about 20 to 30 per cent crop is wasted each year due to spoilage, floods, pests, diseases, improper handling and lack of awareness about post harvest technologies. In a developing country like India, the agri-business sector has emerged as a field of prime importance. Organizations in all sectors i.e. public, private, and cooperative, are looking to hire competent and well trained professionals and agribusiness managers.

A career in Agribusiness can open doors to a plethora of industries such as farming, real-estate, retail marketing, food processing and food production. From livestock, farming to human nutrition, food production, Agribusiness covers a significant number of careers globally.

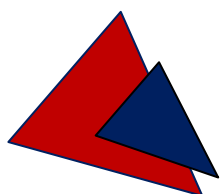
1. Crop Producer
2. Agricultural Analyst
3. Market Analyst
4. Agribusiness Marketing Coordinator
5. Quality Controller
6. Farm Appraiser

Program/ Course	Duration	Admission Criteria/ Eligibility	Seats	Fee
Post Graduate Certificate in Agri Business Management	One Year	B.Sc.-Agriculture/ Horticulture and/ or BBA with 50% marks (45% for reserve category) from a recognized Board/ University	30	35, 000/- INR





## Certificate Training Courses (CTC)



- **Mushroom Cultivation**
- **Food Processing**
- **Organic Manure Production**
- **Agri Business Management**
- **Plant Health Clinic**
- **RAWE**
- **Three Months Courses**

**Duration:** 02 days, 07 days and 03 Month

Program/ Course	Admission Criteria/ Eligibility	Fee Structure		
		2 Days	7 Days	3 Month
Mushroom Cultivation	Any One Who Interested	1100/ INR	1600/- INR	2600/- INR
Food Processing	Any One Who Interested	1100/ INR	1600/- INR	2600/- INR
Organic Manure Production	Any One Who Interested	1100/ INR	1600/- INR	2600/- INR
Plant Health Clinic	Any One Who Interested	1100/ INR	1600/- INR	2600/- INR
RAWE (Four Training)	B. Sc.- Agriculture	-	-	4500/- INR















**Plant Science Researchers Meet (PSRM) - 2019**  
**Conference On Climate Change: Plants People & Planet**  
16<sup>th</sup> & 17<sup>th</sup> February, 2019  
**PPPP**  
Plants People Planet  
Organized by

**2nd Plant Science Researchers Meet (PSRM) - 2019**  
**National Conference On Climate Change: Plants People & Planet**  
16<sup>th</sup> & 17<sup>th</sup> February, 2019  
**PPPP**  
Plants People Planet  
Organized by











## PLANTICA INSTITUTE OF AGRICULTURAL STUDIES (PIAS)

(Official Organization of Plantica Foundation, Regt. Under)  
(The Indian Trust Act, 1882 of Govt. of India)  
ISO 9001:2015 Certified Organization

### FEE STRUCTURE FOR “DIPLOMA” COURSES

Fee Head	1 <sup>st</sup> Year	2 <sup>nd</sup> Year
	May (Admission)	May (Readmission)
Tuition Fee	10,000	10,000
Annual Registration Fee	2,000	2,000
Enrolment Fee	2,000	-
Exam Fee	3,000	3,000
Library Fee	1,500	1,500
Student Welfare	1,500	1,500
<b>Total Fee</b>	<b>20,000</b>	<b>18,000</b>

### Hostel Fee

Hostel Charges	1 <sup>st</sup> Year		2 <sup>nd</sup> Year	
	May (Admission)	January	May (Readmission)	January
Annual Registration Charges	3,000	-	3,000	-
Hostel Charges (Including Lodging, Breakfast, Lunch and Dinner)	36,000	36,000	36,000	36,000
<b>Total Fee</b>	<b>39,000</b>	<b>36,000</b>	<b>39,000</b>	<b>36,000</b>





**PLANTICA INSTITUTE OF MANAGEMENT STUDIES  
(PIMS)**

(Official Organization of Plantica Foundation, Regt. Under)  
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ISO 9001:2015 Certified Organization

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**FEE STRUCTURE FOR ONE YEAR “PGCABM” COURSE**

Fee Head	One Year
	June (Admission)
Tuition Fee	15,000
Registration Fee	2,000
Enrolment Fee	2,000
Exam Fee	3,000
Library Fee	1,500
Student Welfare	1,500
<b>Total Fee</b>	<b>25,000</b>

**Hostel Fee**

Hostel Charges	One Year	
	May – June (Admission)	January
Registration Charges	3,000	-
Hostel Charges (Including Lodging, Breakfast, Lunch and Dinner)	36,000	36,000
<b>Total Fee</b>	<b>39,000</b>	<b>36,000</b>



**PLANTICA INSTITUTE OF AGRICULTURAL STUDIES (PIAS)**  
**PLANTICA INSTITUTE OF MANAGEMENT STUDIES (PIMS)**

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## Admission Application Form

Registration No.:  
(For Office Use)

Enrolment No.:  
(For Office Use)

Please affix a passport size  
photo

**Course Applied for:** \_\_\_\_\_

1. Name of Student: \_\_\_\_\_

2. Father's Name: \_\_\_\_\_

3. Mother's Name: \_\_\_\_\_

4. Father's Occupation: \_\_\_\_\_

5. Date of Birth: Date \_\_\_\_\_ Month \_\_\_\_\_ Year \_\_\_\_\_

6. Sex: Male \_\_\_\_\_ Female \_\_\_\_\_ Transgender \_\_\_\_\_

7. Category: General \_\_\_\_\_ OBC \_\_\_\_\_ ST \_\_\_\_\_ SC \_\_\_\_\_

8. Nationality: \_\_\_\_\_ Aadhaar No. \_\_\_\_\_

9. Address (Local)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
PinCode \_\_\_\_\_

Address (Permanent):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
PinCode \_\_\_\_\_

10. Mobile No.: \_\_\_\_\_ E-mail ID: \_\_\_\_\_



11. Particular of Examination Passed:

Examination Passed	Board/ University	Roll No.	Year of Passing	Division/ CGPA	Percentage % of Marks in aggregate	Subjects
10 <sup>th</sup>						
12 <sup>th</sup>						
Undergraduate						
Post Graduate						

**DECLARATION**

I do hereby declare that the information entered in the Application Form are true to the best of my knowledge and belief, in case of incorrect information furnished therein, my admission may be cancelled by the PIAS/ PIMS authority. I shall abide by the rules and regulations of the PIAS/PIMS. I promise to fulfill minimum 75% attendance in all the classes throughout my academic session. I shall remain disciplined in the Institute campus. I also promise that I will not indulge in any unlawful activities including ragging. In failing so, PIAS/PIMS has right to take action against me and I will honor the same.

**Signature of the Candidate**

Place:  
Date:

**DECLARATION BY THE PARENT/GUARDIAN**

I \_\_\_\_\_ father/ guardian of \_\_\_\_\_

\_\_\_\_\_ have gone through the statement and information given in the Application form. They are true to the best of my knowledge and belief. I do hereby declare that I shall hold responsibility for the regular attendance, conduct and behavior of my son/daughter/ward during the period of his/her study in the PIAS/PIMS. I also assure that my ward will not indulge I any unlawful activity in the Institute campus. In case my ward breaks any rules and regulations, then the PIAS/PIMS has right to take against my ward and I will honor the same.

Mobile no. of Parent:

**Signature of the Parent/Guardian**

Place:  
Date:

**Documents to be submitted:**

1. Certificate, Mark sheet, TC and Character Certificate of 10<sup>th</sup>
2. Certificate and Mark sheet of last examination passed
3. One Copy of Aadhaar card
4. Five passport size photograph



## **PLANTICA FOUNDATION**

Corporate Office- Madhur Vihar Phase- 2, Lane No.-3, Near Bangali Kothi,  
Dehradun, Uttarakhand – 248001

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Visit us: [www.plantica.in](http://www.plantica.in) and [www.jpsr.in](http://www.jpsr.in)

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