

BOTANIST

A Botanist studies plants and is primarily concerned with research into their structure, properties, and biochemical processes. They use this knowledge to develop and promote environmental protection programs, improve plant growing techniques and identify and extract plant products used in medicines, food, fabrics and other products.

PERSONAL COMPETENCIES

- You like working outdoors
- You like to do experiments
- You like Science and Maths



The approx. course fee ranges between **INR 45,000 -1,00,000***

**These figures are estimated numbers and will vary from Institute to Institute.*

SCHOLARSHIPS

• National Scholarship Portal - Visit www.scholarships.gov.in. Under this portal there are Central Government schemes, UGC/AICTE Schemes and Assam Government Schemes offered by different departments*

• Visit www.buddy4study.com for details on available scholarships. This is a gateway to scholarships starting from Class XI*

• Scholarships are also available in the institutes based on merit*

* (Availability of these scholarships can vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Finance), Department of Human Resource Development and Indian Banks Association (IBA)

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans



ENTRY PATHWAY

1. Complete 10+2 in the Science stream (Physics, Chemistry and Biology)
2. Complete a Bachelor's degree (B.Sc.) in Botany

OR

Complete a Bachelor's degree followed by a Master's degree in the same or related subject

Please check the duration of the course during enrolment



EXPECTED INCOME

**The figures are indicative & subject to change*

The approx salary of a Botanist ranges between from **INR 16,166-83,333*** per month.

Source: <https://www.payscale.com/research/IN/Job=Botanist/Salary>

WHERE WILL YOU WORK?

Places of Work: Private Research Laboratories, Biotechnology Firms, Pharmaceutical Companies, Colleges and Universities, Chemical Industry among others

Work Environment: The job requires physical activity. You need not handle a team. Local travel is a part of this job role. Part-time work and contractual jobs are available. Organizations usually work for 5 to 6 days a week and 9 to 10 hours every day. This may vary from organization to organization

Opportunities for work exist for differently abled in this field

EXPECTED GROWTH PATH

Trainee → Botanist → Senior Botanist → Lead Researcher

Search keywords...



botanist, plant scientist, plant researcher

WHERE WILL YOU STUDY?

The course is offered by the Department of Botany. This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Bodoland University, Kokrajhar
2. Dibrugarh University, Dibrugarh
3. Gauhati University, Guwahati
4. B Borooah College, Guwahati
5. Assam University, Silchar
6. Cotton University, Guwahati
7. North Eastern Hill University, Shillong
8. Scottish Church College, Kolkata

PRIVATE INSTITUTES

(Please check if the Institute is affiliated and accredited with UGC before applying)

1. Royal Global University, Guwahati
2. Mount Carmel College, Bangalore
3. Assam Down Town University, Guwahati
4. Ramnarain Ruia College, Mumbai
5. Assam Don Bosco University, Guwahati
6. Sir Parashurambhau College, Pune
7. St Joseph's College, Bangalore
8. K J Somaiya College of Science and Commerce, Mumbai

Information on the institute rankings can be found at - <https://www.nirfindia.org/2022/Ranking.html>

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

ONLINE COURSES

- NPTEL* Swayam - https://onlinecourses.nptel.ac.in/noc19_bt17/preview
- Coursera - <https://in.coursera.org/courses?query=botany>
- Udemy - <https://www.udemy.com/topic/botany/>

*NPTEL- National Programme in Technology Enhanced Learning. It is by the Government of India and offers a variety of courses in an audio - video form

EXAMPLE FROM THE FIELD

Janaki Ammal is a well-known Botanist. Her work primarily focused on cytogenetics, phytogeography, and plant breedings. She obtained an Honours degree in Botany from the Presidency College and then moved to the University of Michigan in 1924, obtaining a Master's degree in Botany in 1926 on a Barbour Scholarship. She received the Padma Shri in 1977, and was credited for her efforts in improving indigenous sugarcane variety. She also helped in the analysis of the geographical distribution of sugarcane across the country. Ammal lived and worked in the Centre's Field Laboratory at Maduravoyal until her death in February 1984.*

Source: <https://www.thefamouspeople.com/indian-botanists.php>

**The above information is for training purposes only and will not be used for any commercial gains*