

DEPARTMENT OF BOTANY

A BRIEF PROFILE



DEPARTMENT PROFILE

BRIEF HISTORY OF THE DEPARTMENT:



The department of Botany was established in Jorhat Kendriya Mahavidyalaya in the year 1992, imparting education to the students of higher secondary level initially with the great effort of the founder faculty members Mrs. Sandhya Devi and Mr. Binanda Dutta. Gradually Botany as a core subject in degree level was started from the year 1995 and as a major subject from the year 1997. Over the years, the Department of Botany has been served by a number of distinguished teachers who with their sincerity and hard work had brought the department to the present status. In the year 2017, the unexpected and sudden death of the most active faculty member Dr. Rajen Chandra Saikia, has brought a great loss to the whole department.

1. DEPARTMENT PROFILE (Faculty Members)

Former Faculty Members

Name	Designation	Qualification	Duration	Specialization
Mr. Binanda Dutta	Assistant Professor	M.sc.	1992-1995	
Ms. Sandhya Devi (HoD)	Assistant Professor	M.sc. , M.Phil	1995-2021	Plant Physiology

Present Faculty Members

Name	Designation	Qualification	Duration	Specialization
Ms. Pinaki Hazarika (HoD)	Assistant Professor	M.sc. , M.Phil	1997 –till date	Plant Physiology
Ms. Rashmi Rekha Borah	Assistant Professor	M.sc. , M.Phil	2000-till date	Genetics
Mr. Bhaskor Kolita	Assistant Professor (Contractual)	M.sc.	2017-till date	Bioinformatics
Ms. Dimpily Borah	Assistant Professor (Contractual)	M.sc.	2020-till date	Microbiology
Ms. Khusboo Agarwal	Assistant Professor	M.Sc.	2022-till date	Plant Ecology

DEPARTMENT PROFILE

❖ VISION OF THE DEPARTMENT:

To impart quality, research based and skill oriented education to the students in the fields of Botany.

❖ MISSION OF THE DEPARTMENT:

To strive for an excellent environment for learning and research in Botany and to produce graduates equipped with skills necessary to fulfill their role in contemporary society. To develop a strong foundation in fundamental science for scientific understanding.

❖ COURSE OFFERED:

- H.S. (I and II)
- B.Sc. In Botany Core course(CBCS system under Dibrugarh University).
- B.Voc. Course in Small Tea Garden Management, Diploma in Tea Plantation and Management.
- Add on course on Bioinformatics and Tea processing with special emphasis on Green and speciality tea.
- Under skill hub initiative programme, a skill course on “Vermicompost Producer” is undertaken.
- The Department also extends its services towards community college.

DEPARTMENT PROFILE

DEPARTMENTAL ACTIVITIES AND ACHIEVEMENTS –

- ❖ Established a **Botanical Garden** in the memory of Late Dr. Rajen Saikia, former Assistant Professor of Botany Department, Jorhat Kendriya Mahavidyalaya on 27-02-2021.
- ❖ Published the First edition of E- Magazine “**Krishnasura**” 15th August, 2020
- ❖ Published the Second edition of E- Magazine “**Krishnasura**” 5th September, 2021
- ❖ Wall magazine “**Kuhinpath**” of the department achieved first prize in the National Youth Day,2022 .Memorandum of Understanding on exchange of Faculty members and Students between the Department of Botany of both Bahona College, Jorhat and Jorhat Kendriya Mahavidyalaya, Kenduguri (from 14/06/2021 to 19/06/2021).



❖ **Green Audit-** The Department has undertaken the initiative to prepare the Green Audit reports of its own institute as well as extended their support for the referred institutes under IIC, JKM like Chandra Kamal Bezbaruah College, Teok, Dr. Nobin Bordoloi College, Na-Ali, Dhekiajuli, Cinnamara College etc. to promote Environment Management and Conservation in the college campus. It assesses environmental impact of an organization and carbon credit with a view to take sustainable steps towards better future.



❖ Skill Course on Vermicompost Producer under Skill Hub Initiative Programme

The Department is also associated with the skill hub initiative programme under PMKVY 3.0 scheme. This program is aimed at training candidates for the job of a “Vermicompost Producer” in the “Agriculture & Allied” Sector.

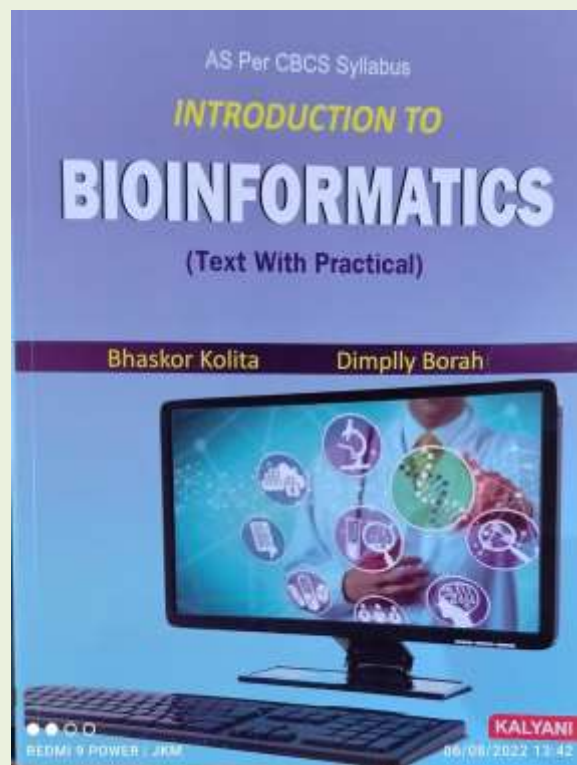


❖ Popular talks-

From time to time, an initiative is taken to organize popular talks for the students. This year as well, a popular talk was organized on the topic “Role of microorganisms in soil amendment” by Dr. Dondeswar Dutta, Ex-Scientist D, RFRI, Jorhat on 26th September.



- ❖ A book on “Introduction to Bioinformatics” as per CBCS syllabus, published by two of the faculty members Mr. Bhaskor Kolita and Ms. Dimpily Borah.



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Student Achievement-

❖ Late.RajenSaikia Memorial Award for highest marks in BOTANY

- Ms Dipika Sharma (2018)
- Ms Priyanka Bora (2019)
- Mr Abhilash Talukdar (2020)
- Ms. Neebha Kumari (2021)

❖ Anuradha Baruah Memorial Award

- ❖ Ms. Sneha Chowdhury (1st class 12th rank)
- ❖ Mr. Abhilash Talukdar (1st class 12th rank)
- ❖ Miss Farnaz Yasmin Ahmed, a student of 5th Sem won second prize in Jorhat Classic Deadlift Completion on 7 October, 2021, Organized by Powerlifting Association, Jorhat.
- ❖ Miss Lina Gogoi, a student of 5th Sem won 2nd runner up in North East Beauty contest and North East Divine contest.
- ❖ Ms.Punam Priya Hazarika, Ms.Nandita Harizan, Mr.Sushanta Jyoti Saikia, Mr.Mriganka Borah, Mr.Alok Baruah, Ms.Priyadarshi Dutta,Mr. Nilom Jyoti Lahon, Students of Botany Department, won prizes in Poster, Short Film and Science Model Competitions on the occasion of National Science day celebrated on 28th February 2021 in Jorhat Kendriya Mahavidyalaya.



❖ **Ms. Supreeti Bordoloi of 3rd sem** received the Best Singer Award in 2022 college week.



- ❖ The student group of 6th semester including Mr. Susanta Saikia, Mr. NilomJyoti Lahon and Ms. Farnaz Yasmin secured 3rd prize in the “Idea drop competition” held during the celebration of National Seminar and Student Research Conclave on “Issues and Challenges of Environment Safety for Sustainable Development”.



❖ Ms. Rajashree Borthakur, a 2020 passout from Dept. of Botany, secured 1st class 1st (Gold medalist) in M.Sc. Botany, Assam University.



DEPARTMENT PROFILE

Faculty Achievement-

- ❖ **Paper published:** Mr. Bhaskor Kolita and Ms. Pinaki Hazarika –“A Search of COVID 19 main Protease Inhibitor from Plant Derived Alkaloids using Chloroquine and Hydroxy chloroquine as reference : An In-Silico Approach” , International Journal of Scientific Research in Biological Sciences, volume 7 ,Issue -2 ,pp. 51-61, April 2020.
- ❖ **Paper Presentation:** Ms. Rashmi Rekha Borah of Botany Department presented a paper on the topic “A Study on Weed Flora in the Rice Fields at Dhodang Chapori of Majuli District Assam” in the International Conference on Biodiversity ,organized by Botany Department of Pandit Deendayal Adarsha Mahavidyalaya, Behali, Assam, India on 5 January, 2022.
- ❖ Mr. Bhaskor Kolita served as a Eminent Speaker in the National Workshop on "Remote Access to Lab:Lab on a Screen" organized by Jorhat Kendriya Mahavidyalaya in collaboration with Jorhat Engineering college and University of Jammu and Chitkara University.
- ❖ A Talk delivered by Mrs. Pinaki Hazarika, HOD, Dept. of Botany on Energy Conservation Day on 14 th of December, 2021.
- ❖ Presentation in the ongoing Orientation Course in A.M.U. University on “Assam Tea”.

6.2 Records of Field Study

Institute/Place	Year
CSIR-NEIST, Jorhat	2018
CSIR-NEIST, Jorhat	2019
Kakochang, Golaghat	2020
Rain Forest Research Institute, Jorhat	2021



Students Project-2021

Project reports submitted by students, 2021
Department of Botany
Jorhat Kendriya Mahavidyala, Kenduguri, Jorhat-10, Assam

Sl No	Name	Title of project	Venue
1.	Neha Kumari	Medicinal plants of Assam and their uses with special reference to Jorhat, Karbi-Anglong, Golaghat, Sivasagar and Dibrugarh districts	Jorhat Kendriya Mahavidyala
2.	Britanjali Das		
3.	Preety Gurwalia		
4.	Mrganiko Borah		
5.	Bibek Borah		
6.	Sagnika Baruah	Assam Tea and their diseases and control with special reference to Dibrugarh, Sivasagar, Jorhat and Golagha districts	Jorhat Kendriya Mahavidyala
7.	Priyadarshini Dutta		
8.	Alok Bora		
9.	Moram Jyoti Das		
10.	Madhaya Borah	Musa species found in Assam and their important	Jorhat Kendriya Mahavidyala
11.	Treha Borah		
12.	Angshuman Kaushik Sharma		
13.	Semin Sultana		
14.	Akanhya Sarma	Bamboo species of Assam and their important	Jorhat Kendriya Mahavidyala
15.	Bidyut Bikash Gogoi		
16.	Priyanki Dutta		
17.	Borna Gogoi		
18.	Ankur Jyoti Saikia		
19.	Tulika Dutta		
20.	Sikhajyoti Darab Dihara		
21.	Memanta Koliita		
22.	Anaajyoti Deuri		
23.	Prodyumna Kalita		
24.	Pragyan Koliita		

[Signature]
25/04/2021
HOD, Department of Botany

Jorhat Kendriya Mahavidyala, Kenduguri, Jorhat-10, Assam



PROJECT

JORHAT KENDRIYA MAHAVIDYALAYA









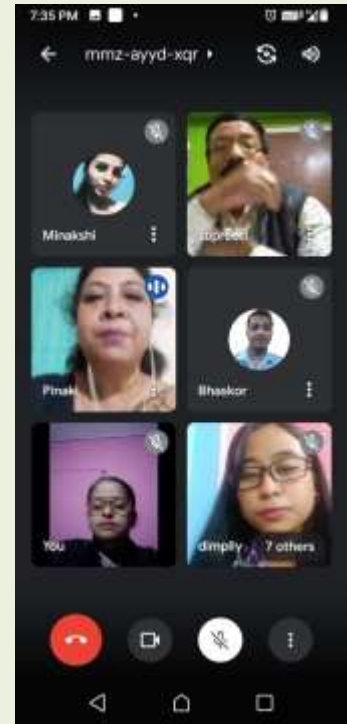
ASSAM TEA

THEIR DISEASES AND CONTROLS

A Project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Science in Botany Of Dibrugarh University Session:2018-20

SUBMITTED BY..

PHOTO GALLERY OF DEPT. OF BOTANY



THANK YOU