



ACADEMIC AUDIT

DEPARTMENT OF BOTANY
J. N. College, Boko.

Department at a glance

- Year of establishment : 1986
- GU permission and affiliation : 1994
- Grant in aid by Govt. of Assam :1998
- Seat capacity : 20/SEM(H)
- No. of faculty –
 - Permanent faculty :03
 - Guest faculty:02
- Teacher student ratio : 11.2

Continue...

➤ No. of Teachers use ICT enabled tools for effective teaching-learning process.	03
➤ Ratio of mentor to students for academic and other related issues.	6:1(each semester)
➤ No. of Teachers with PhD.	01+01
➤ Average teaching experience of full time teachers in the same institution	23 years.

ENROLLMENT POSITION

Academic Year	Class	No. Of Students		
		Boys	Girls	Total
2016 - 17	Major & General(All Sem)	128	45	173
2017 - 18	Major & General(All Sem)	136	50	186
2018 - 19	Major & General(All Sem)	150	59	209
2019 - 20	Honours & General(All Sem)	147	59	206
2020 - 21	Honours & General(All Sem)	116	67	183
2021 - 22	Honours & General(All Sem)	129	54	203

RESULTS OF THE DEPARTMENT

Academic Years	Courses	No. Of Students			
		Boys	Girls	Total	Pass Percentage (%)
2016 - 17	Major	03	01	04	100%
	General	NIL	NIL	NIL	Nil
2017 - 18	Major	07	01	08	100%
	General	09	01	10	100%
2018 - 19	Major	07	11	18	84%
	General	NIL	NIL	NIL	NIL
2019 - 20	Major	06	08	14	58.33%
	General	08	01	09	47.36%

Student Progression

Session	Total No. of students	Course/Subject	Name of the Institution
2016-17	03	Botany (02) PGDCA(01)	USTM, Meghalaya, J. N. College
2017-18	07	Botany (01) PGDCA(06)	GU J.N.College
2018-19	04	Botany(04)	G.U., Nawgaon College, USTM
2019-20	06	Botany(02), Lib. Science(01), B. Ed.(02) PGDCA (01)	G.U., Nawgaon College, USTM & B.Ed. College, Boko
2020-21	01	Environmental Science	Gauhati University

Number of Add on /Certificate programs offered during : 2019-20

Name of the course	Year
Mushroom cultivation and Utilization	2019

Departmental Programmes for advanced learners and slow learners

- The department has conducted several class tests to sort out the advanced learner and slow learner. On the basis of the test, MCQ, Home assignment conducted by the department, students are categorised into advanced learner and slow learner.
 - For improvement of slow learner students, the department has taken needful action by arranging tutorial classes, providing reference books, and by arranging group discussion.
 - Several hands- on training, workshops, seminars, etc are arranged for academic improvement of both advanced and slow learners. The department also visited various institutions.
-

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences by the department are mentioned below:

- **Laboratory Practical classes**
- **Field work**
- **Departmental seminars**
- **Hands-on-Training**
- **Summer Camp**

Internal assessment is done on the basis of the following criteria:

- Student Attendance
- Departmental Seminar
- Sessional Examination
- Home Assignment
- Field Report

DEPARTMENTAL ACTIVITY

Year	No. of Seminar/Workshop /Conferences/ Popular Talk	Finance by	Participant
2016-17	05	DBT Star College Scheme	Major students
2017-18	08	DBT Star College Scheme	Major students
2018-19	06		Major students
2019-20	06	DBT Star Status Scheme	Honours students
2020-21	13	DBT Star Status Scheme	Honours students

Online webinar, 2020 -21

Date	Topic	Platform	No of Students	Resource Person
27/07/20	“Algae of our Ponds – Friend or Foe”.	Google Meet	45	Professor(Dr) Partha Pratim Barua, Department of Botany, GU
30/07/20	“Why DNA is helical in Nature	Google Meet	64	Professor (Dr) Suvendra Kumar Ray, Department of Molecular Biology & Biotechnology, Tezpur University
31/08/20	“Fossils and its Implication to the Palaeovegetation and Palaeoclimate analysis”.	Zoom	115	Dr. Sadhan Kumar Basumatary Scientist-D, Quaternary Palynology Division, Birbal Sahni Institute, Lucknow.
29/06/20 21	Microbes in Human Welfare’	Google Meet	75	Prof. (Dr) D.K. Jha, Professor, Department of Botany, GU

Departmental Facilities

Facilities	Existing	Newly added
Departmental area	2600 sq. feet	
Class rooms	05	
Laboratories	UG Honours-03., General-01 Laboratory of Biological & allied science	01 Modular Lab
Classrooms with LCD facilities	02	-
Classrooms with Wi-Fi/ LAN	All (Wi-Fi)	-
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.		1. Laminar Air Flow Chamber 2. Interactive Digital Panel
Departmental Library	Total no. of Text Book & Reference Book = 336	37

Botanical Garden

Botanical Garden



Additional Information

Placement of outgoing students	Year: 2020 Govt job: 02 Private sector:03 Business :05
Students progressing to higher education	05
Students qualifying in state/national/international level examinations during the last five years (eg: JAM/CLAT/GATE/GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)	01(state government examination, IS examination)
Teachers undergoing online/face-to-face Faculty development Programmes (FDP)	03

Publication by the faculty

Name of faculty	Research paper/article	Books	Projects
Purabi Rabha	-	-	-
Dr. Habibur Rahman	06		02 minor project (completed)
Pinaki Kr. Rabha	04	01	01 major project (as Co PI) completed
Dr. Tapan Dutta	14	02	

FUTURE PLAN OF ACTION

- Department is going to organized a National Seminar in Collaboration with BSA entitled “ **Biodiversity: Conservation and Sustainable Utilization for Atmanirbhar Bharat**” on 3rd & 4th June, 2022 in the college.
- Naming of the plants within college campus.
- Institutional Visit
- Hands on Training
- Exposure Tour cum Field Visit
- Improvement of growing unit for Mushroom.
- Publication of leaflet to reflect of departmental activities.
- Community awareness program on environmental issues.



BIENNIAL GENERAL MEETING OF
BOTANICAL SOCIETY OF ASSAM
&
NATIONAL SEMINAR ON

"Biodiversity: Conservation and Sustainable Utilization for Atmanirbhar Bharat"

Date: 3rd & 4th June, 2022

—Organized By—

DEPARTMENT OF BOTANY
JAWAHARLAL NEHRU COLLEGE, BOKO

P.O. Boko, Kamrup, Assam, PIN 781123

College website : www.jncollegeboko.ac.in

In collaboration with IQAC, J.N. College, Boko.

&

Botanical Society of Assam

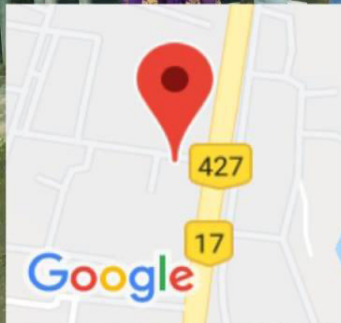


About the seminar :

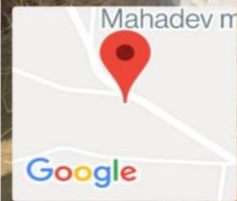
Located in the tri-junction of Indo-Chinese, Indo-Burmese and Indo-Malayan sub regions, North East Region of India is the gateway to country's amazingly rich bio-diversity. The region is also the meeting ground of diverse ethnic groups and every ethnic group has its unique culture which is intricately associated with the rich natural heritage. Conservation of bio-diversity and sustainable use of the same is a major key for the sustainable development at the level of community, society and nation. Sustainable development is also essential for the future sustenance of all life forms on earth including mankind. In present day scenario a holistic approach with insight from natural science, applied science and humanities is a need of the hour to achieve the target of sustainable development. Scientific research, community participation, documentation and rejuvenation of traditional knowledge, design and development innovative and effective management practices, implementation of laws are also needed. This seminar "Biodiversity: Conservation and Sustainable Utilization for Atmanirbhar Bharat" which will be held concurrently with the Biennial General Meeting of Botanical Society of Assam will provide a common platform to experts, scientists, naturalists, faculties, young researchers, students and other stakeholders to share their ideas, experience and views on diverse aspects of bio-diversity, its conservation and sustainable use in context of Northeast India.

Bird's eye view of Departmental Activities

Photograph says....



Guwahati, Assam, India
4J46+56H, Ganakpara, Guwahati,
Assam 781017, India
Lat 26.105381°
Long 91.61208°
08/01/22 12:01 PM



Bala Para, Assam, India
Boko - Chamaria Rd, Bala Para, Assam 781123, India
Lat 25.981646°
Long 91.219079°
14/02/22 11:43 AM

Field Visit to Horticulture Research Station, AAU,
Kahikuchi

Community programme on Mushroom
Cultivation



Training on “Gel-electrophoresis & PCR Technique”

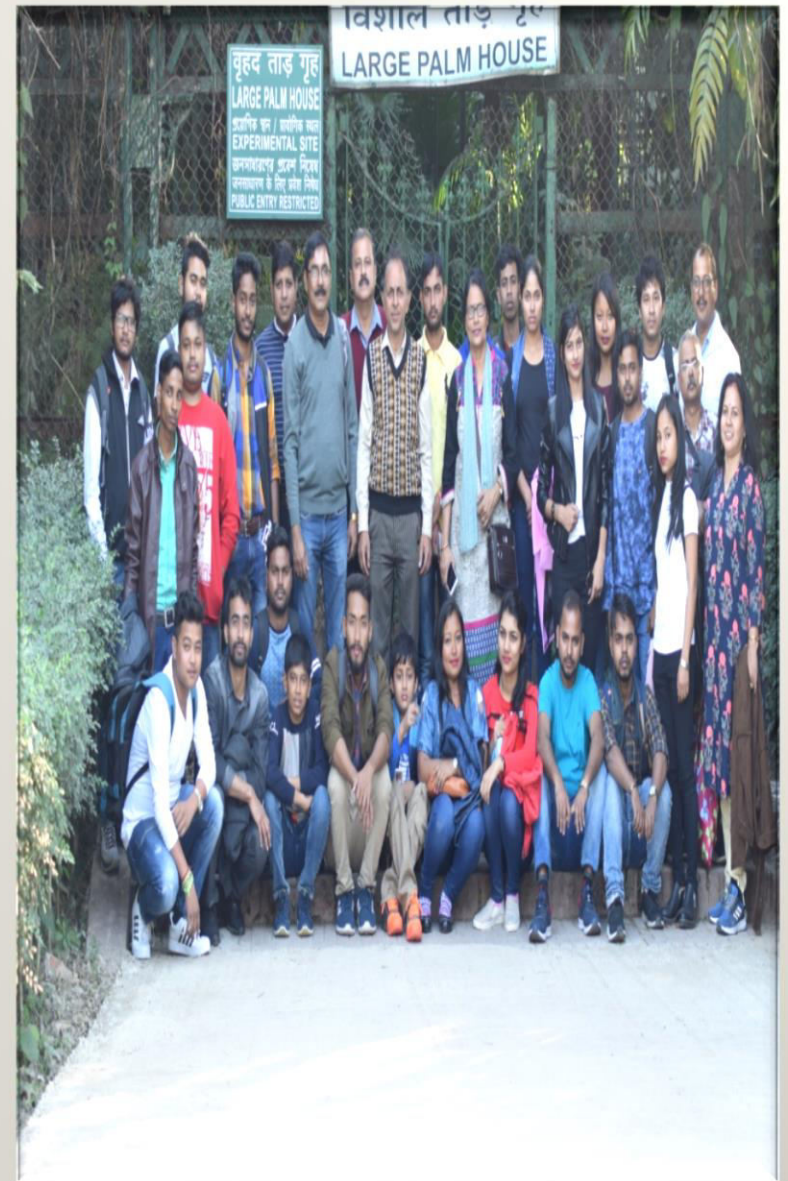


Educational tour to Pobitora Wild life Sanctuary





Workshop on “Mushroom Cultivation”



Educational Excursion to Kolkata





Gel Electrophoresis and PCR Technique

ORIENTATION PROGRAMME

ON

UTILIZATION AND CULTIVATION TECHNIQUES OF MUSHROOM

Resource

Dr. Sanjib Das

Dean, Faculty of Science and University

Organic

Dept. of Botany

Boko

ice Block

CULTIVATION PROCESS OF OYSTER MUSHROOM



CUTTING PADDY STRAW

PACKING



SOAKING



PASTEURIZING



DRYING



PACKING



INCUBATION



SPROUTING



SPEKTRON



GPS Map Camera

Education, Boko

Boko,
Building



Google

Jarpara, Assam, India

X688+228, Jarpara, Assam 781123, India

Lat 25.965169°

Long 91.215213°

08/04/22 12:31 PM

THANK YOU