

**1.3.3. STUDENTS' UNDERTAKING PROJECT
WORK/FIELD WORK/INTERNSHIP (DATA FOR
THE LATEST COMPLETED ACADEMIC YEAR)**

**3. REPORT WITH PHOTOS ON THE PROJECT
WORK/FIELD WORK**



ESTD 1965

**ডিগবৈ মহাবিদ্যালয়
DIGBOI COLLEGE**

CONTENTS:

**DEPARTMENT OF BOTANY
DEPARTMENT OF CHEMISTRY
DEPARTMENT OF COMMERCE
DEPARTMENT OF POLITICAL SCIENCE
DEPARTMENT OF ZOOLOGY**

**DEPARTMENT OF BOTANY
DIGBOI COLLEGE**

Subject: Botany (Non-CBCS)
Paper No. –BOTMP – 605
Course Title – Project Work

Objective - The main objective of this course is to introduce the undergraduate student to research methodology and techniques for the design and development of research work.

STUDY OF VEGETATIVE GROWTH RATE OF RICE PLANT IN DIFFERENT SOIL CONDITIONS- A REVIEW.



A project report submitted to the Department of "Botany" for partial fulfillment of the requirement for B.Sc 6th semester examination, 2021 under the Supervision of Dr. Tilak Ch. Dutta.

SUBMITTED BY:

Name- Riya Mazumdar

Class- B.Sc 6th semester(Botany)

Roll No.- 21620090

Registration No.- S1840094



Fig: Images showing the growth of rice plant.

A MORPHOLOGICAL STUDY OF *DENDROBIUM APHYLLUM* (ROXB)

A project report

Submitted to the Department of "Botany" for partial fulfillment of the requirement for B.Sc.
6th semester examination, 2021

Under the Supervision of:
Dr. Dimpy Das

Submitted by: Bidisha Baruah

B.Sc. 6th Semester Botany (Major)

Roll No: 21620064

Registration No: S1840021

**Department of Botany
Digboi College**



VEGETATIVE CHARACTERS AND DESCRIPTION OF FLOWER

Dendrobium aphyllum is an epiphytic orchid and sometimes lithophytic with clustered, cane-like, overhanging to pendulous stems of 20–200 cm long. The leaves are 3–



10 cm long, 1–3 cm wide and deciduous after one growing season. These heavy long cane like stems assume the role of pseudobulbs. The canes are deciduous and the plant produces numerous aerial growths (keikis). The inflorescences are short, arising laterally from the leafless stems of the previous growing season. There are usually many inflorescences per plant, with one to three flowers on each. The flowers are 4–5 cm across and open widely with a pleasant fragrance. The

sepals and petals are somewhat translucent, yellowish cream to whitish, more or less strongly suffused and marked with pinkish violet. The lip is trumpet-shaped, variable in width (from 2.0–3.7 cm wide when spread), pale yellow or less often white, whitish at the base, with dark violet branching veins inside the tube-shaped part, and densely covered with soft, short hair on the exterior surface and along the margins, except in the basal part. The flowers are flimsy and short lived, lasting about a week. These are borne on the previous year's growth

This terrific plant grows with a pendant habit, the growths first growing up, and then bending over and down. With light lavender blooms in creme colored lip, and fragrant, the plant is relatively easy to cultivate and make them bloom.

STUDY ON THE EFFECT OF Rhizospheric MICROFLORA IN GROWTH AND DEVELOPMENT OF TWO ECONOMICALLY IMPORTANT PLANT i.e. *Pea* (*Pisum sativum*) AND *Gram* (*Cicer arietinum*) IN LIGHT OF DIFFERENT NUTRIENT STATUS:

PROJECT REPORT

Submitted to the Department of BOTANY for partial fulfilment of the requirement for B.Sc 6th semester examination, 2021



UNDER THE SUPERVISION OF :

SIR DULUMONI DAS

ASSISTANT PROFESSOR DEPT. OF BOTANY

SUBMITTED BY

ANJULA THAPA

ROLL NO: 21620062

DEPARTMENT OF BOTANY

DIGBOI COLLEGE, DIGBOI

Methodology:

To assess and screen the effect of effect of different types of fertilizers under controlled condition, first soil is selected and they are thoroughly dried in sun light for three days and then it taken in earth pots. 18 replica of earth pots are taken which are initially divided into two sets of 9 pots each. In first sets Pea seed are shown and in the second sets Gram seeds are shown. Before showing the seeds fertilizers are mixed.

Then root samples are collected from different replica of Earth pots and the soil adhere to the roots and root sections are studied by using serial dilution techniques. For inoculation of Rhizospheric microflora as well as microflora of Rhizoplane, Czapecks Dox Agar media is use. For culturing of soil fungi, antibiotic is used in the culture media to check the growth of bacteria and for culturing bacteria culture is free of antibiotics. After desired period of incubation colonies of microorganisms are done by using colony counter and identification is done by microscopic examination. To identify soil fungi "Manual of soil fungi"by Joseph Gilmen is used

Periodic log book is maintaind to keep the record of Data along with Photograph.

Data Analysis:

The 18 sets of earth pots replica are arrange in two sets and they are labelled as follows:

For Pea (Table:1)

| Stages of Plants | Earth Pots | | |
|---|---|--------------------------|------------|
| | AP1 (No fertilizer i.e. controlled condition) | AP2 (Organic Fertilizer) | AP3 (Urea) |
| Seedling Stage | | | |
| Juvenile Stage (Only when Vegetative growth occur) | BP1No fertilizer | BP2Organic Fertilizer | BP3Urea |
| Mature Stage (Flowering and fruit formation) | CP1No fertilizer | CP2Organic Fertilizer | CP3Urea |

*A,B, C: Replica of Earth Pot; *P: Pea seeds,

DEPARTMENT OF CHEMISTRY
DIGBOI COLLEGE



DEPARTMENT OF CHEMISTRY

DIGBOI COLLEGE, DIGBOI

A brief report of the Project Work conducted by the Department of Chemistry for the session 2020 – 2021:

The list of Projects and their outcomes are given below

| Group | Name of Supervisor | Name of Student | Project Title | Objectives of the Project | Outcome |
|-------|------------------------|--|--|--|--|
| 1 | Mrs Neelakshi Hazarika | 1. Narayan Adhikari 2. Sauvik Bhattacharjee 3. Subhash Chetry 4. Sudhan Debnath | Nano Catalyst: A brief review on synthesis and its applications | (i) Importance of nao catalyst (ii) Their Synthetic procedure (iii) Applications of nao catalyst | Recent progress of nano catalyst in different fields |
| 2 | Dr. Nayan Jyoti Khound | 1. Pallavi Saikia 2. Prithviraj Upadhyaya 3. Momi Borah 4. Sagar Acharya | Principles & Applications of UV-Visible spectrophotometer | (i) To study the principles of UV-Visible spectrophotometer (ii) Applications of UV-Visible spectrophotometer | Use of UV-Visible spectrophotometer in different chemical analysis. |
| 3 | Dr. Bishwajit Saikia | 1. Niranjali Dutta 2. Niharika Dutta 3. Kirtinath Tanti 4. Bibek Upadhyaya | Literature review on antimalarial and anti cancer properties of Artemisinin dimmers | To study the anti malarial and anti cancer properties of Artemisinin dimmers | Recent progress of Artemisinin dimmers as a remedy in malarial and cancer. |
| 4 | Dr. Abhijit Mahanta | 1. Jasmine Chowdhury 2. Jodumoni Ojah 3. Bhaskor Jyoti Dhital 4. Supriya Sharma | A literature review on Ziegler Natta catalyst and its recent progress in polymerization of alkenes | To study the Ziegler Natta catalyst and its recent progress in polymerization of alkenes | Recent progress of Ziegler Natta catalyst in polymerization of alkenes |

Jonali Datta
HOD
DEPT. OF CHEMISTRY
HOD, CHEMISTRY
DIGBOI COLLEGE, DIGBOI

UV-VISIBLE SPECTROPHOTOMETER

A Dissertation submitted to the department of chemistry, Digboi college for the partial fulfilment of the requirements for the degree of bachelor of science.



ESTD 1965

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Submitted by:

PRITHIVIRAJ UPADHAYA

B.SC 6th SEMESTER

ROLL NO: 21620036

Registration No: S1840087

DIBRUGARH UNIVERSITY

PROJECT ON

Literature review on Anti-malarial and anti-cancer
properties of Artemisinin dimers



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DIGBOI COLLEGE

DIGBOI COLLEGE

DEPARTMENT OF CHEMISTRY

GUIDED BY: Dr. Biswajit Saikia

SUBMITTED BY: KIRTINATH TANTI

CLASS: B.Sc. 6th Sem ROLL NO:

21620023

REGISTRATION NO: S1840050

A literature review on Ziegler Natta catalyst and its recent progress in polymerisation of alkenes



ESTD 1965

ডিগবৈ মহাবিদ্যালয়
DIGBOI COLLEGE

Submitted by: Jasmin Chowdhury

Roll no: 21620070

Registration No:S1840041

PRINCIPLE & APPLICATIONS OF UV-VISIBLE SPECTROPHOTOMETER

submitted by- Pallabi Saikia
21620086
BSc 6th Semester

for Pallabi Saikia

INTRODUCTION

UV-Visible spectrophotometer is an instrument used in ultraviolet-visible spectroscopy. It measures the intensity of light after passing through a sample(I), and compares it to the intensity of light before it passes through the sample(I_0). The ratio I/I_0 is called the transmittance & is usually expressed as a percentage (%T). The absorbance, A is based on the transmittance.

$$A = -\log(\%T/100\%)$$

This instrument can also be configured to measure reflectance.

**DEPARTMENT OF COMMERCE
DIGBOI COLLEGE**

PROJECT TITLE, OBJECTIVES AND OUTCOME 2020-2021

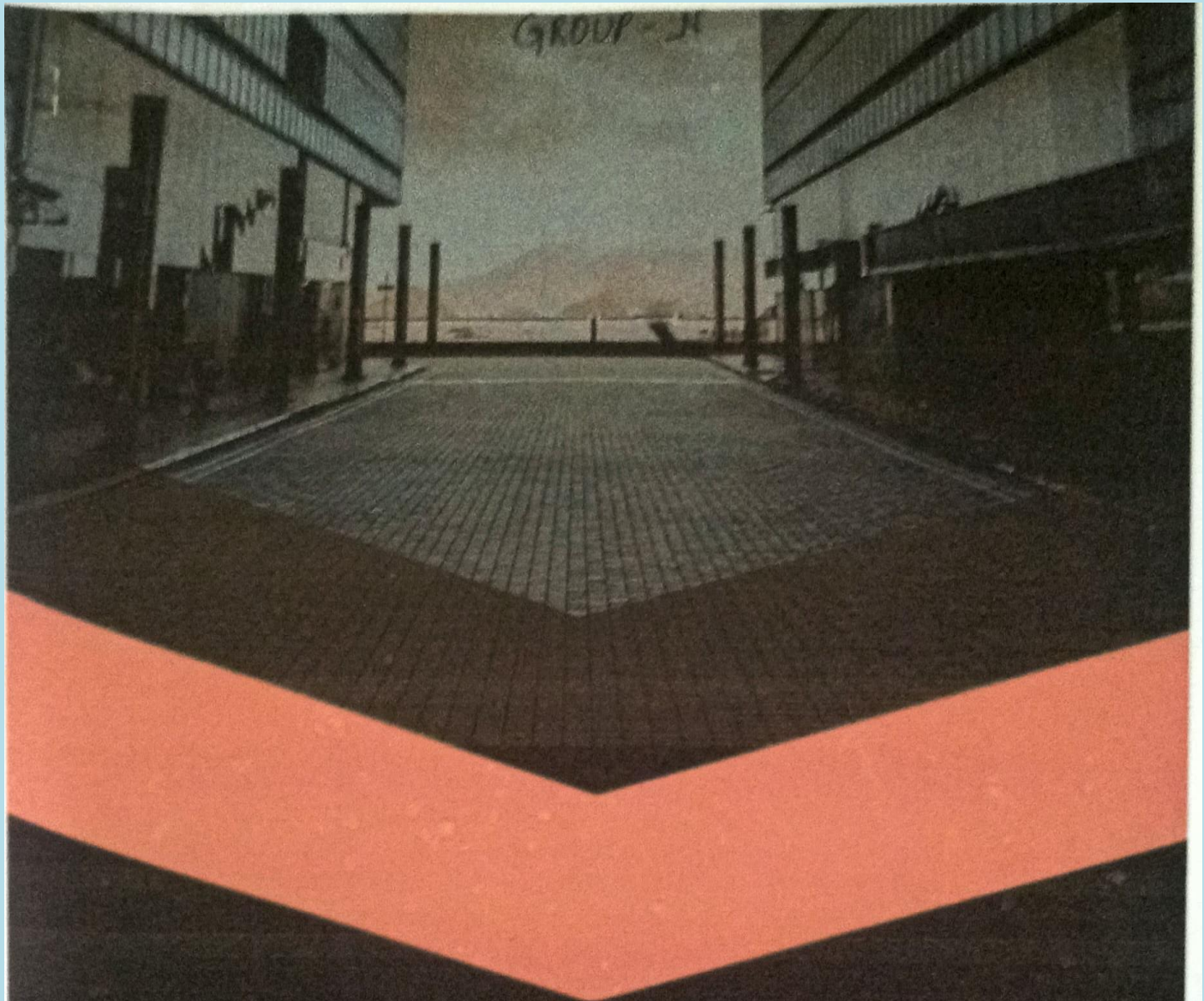
Subject: Entrepreneurship development

Topics: Entrepreneurial initiatives on establishing Unique Ventures in Digboi
(From planning the project proposal to its implementation) Guided by:
Dr Sampreeti Boruah & Ms Murchana Gogoi

Date of Presentation: 26/02/2021 and 1/03/2021

| Sl No. | Name of the Student | Name of the Project | Objectives | Outcome |
|--------|-----------------------|-------------------------------|---|--|
| 1 | Deborshee Malakar | Green Pride | To develop an entrepreneurial idea for eco-friendly products | <div>1. They became aware of the various entrepreneurial opportunities available in the state.</div> <div>2. They became more conversant regarding preparing entrepreneurial project reports and applying for financial assistance.</div> <div>3. They gained knowledge regarding the various sources of procuring finance for the respective initiatives.</div> <div>4. They became acquainted with the ways and processes through which a venture can be registered with various bodies.</div> |
| 2 | Mittika Sen | | | |
| 3 | Sagarika Buragohain | | | |
| 4 | Jyoti Sutradhar | | | |
| 5 | Jamuna Upadhyaya | | | |
| 6 | Sumi Gupta | Right from oven | To develop an entrepreneurial initiative for the bakery business | |
| 7 | Ritu Debnath | | | |
| 8 | Simran Sarki | | | |
| 9 | Neha Limbu | | | |
| 10 | Mehrun Nisha | | | |
| 11 | Ankit Dey | Shen Nung’s Prime Tea company | To develop entrepreneurial initiatives on Naturally Dried tea and green tea. | |
| 12 | Kaushik Kr. Choudhury | | | |
| 13 | Snehashish Dey | | | |
| 14 | Torali Boruah | | | |
| 15 | Sowman Nath | | | |
| 16 | Vivek Prasad | MVS Restaurant | Todevelopentrepreneurial initiatives for Restaurant Business | |
| 17 | Supriya Jaiswal | | | |
| 18 | Monisha Jaiswal | | | |
| 19 | Bibek chetry | Northeast Tour Agency | To develop entrepreneurial initiatives on establishing a Tour Agency to Promote NE Region | |
| 20 | Sumit Rai | | | |
| 21 | Bijay Jaishy | | | |
| 22 | Dhrub Sonar | | | |
| 23 | Mayank Sharma | | | |
| 24 | Praktiksha Tiwari | HP-Rollable | To develop an entrepreneurial venture for an electronic device | |
| 25 | Hanifa Begum | | | |
| 26 | Priyanka Kumari Pasi | | | |
| 27 | Simran Tamang | | | |
| 28 | Suraj Gupta | | | |
| 29 | Nayan Limbu | Dream Events | To develop entrepreneurial initiatives for event management. | |
| 30 | Ratna Thapa | | | |
| 31 | Pranjal Das | | | |

| | | | | |
|----|--------------------|----------------------------|--|--|
| 32 | Sangita Rai | | | |
| 33 | Dipankar Baroi | | | |
| 34 | Mriganka adak | Delson Pvt Limited. | To develop cheap Sanitization products | |
| 35 | Raja Upadhyaya | | | |
| 36 | Rahul Dhar | | | |
| 37 | Rahul Mourya | | | |
| 38 | Shibai Sen | | | |
| 39 | Bishal Mondol | Partners Mushroom Pvt Ltd | To develop an entrepreneurial initiative on Mushroom Cultivation and Marketing | |
| 40 | Ranjan Bharali | | | |
| 41 | Bikash Mishra | | | |
| 42 | Mondeep Kalita | | | |
| 43 | Rikhiraj Boruah | | | |
| 44 | Sanket Gupta | Skill Bit | Initiative to empower skill Web-based learning platform for housewives. | |
| 45 | Subir Mundu | | | |
| 46 | Debraj Sharma | | | |
| 47 | Sebastian Dhaker | | | |
| 48 | Anu Kumari Jaiswal | Inline Fishing Pvt Limited | Entrepreneurial initiatives on Fishery | |
| 49 | Rittika Shahi | | | |
| 50 | Rohan Deb | | | |
| 51 | Abhijit Debnath | | | |
| 52 | Ankita Dey | | | |
| 53 | Rahul saikia | Parijat Recycle Limited | Initiatives for Plastic recycling | |
| 54 | Khagen Hazarika | | | |
| 55 | Karuna Kanta Borah | | | |
| 56 | Kaerabi Das | | | |
| 57 | Monalisha Das | | | |
| 58 | Subrata Debnath | Sun B Pvt. Limited | Entrepreneurial initiatives for Launching new hair Products | |
| 59 | Uttam Malakar | | | |
| 60 | Nayan Dutta | | | |
| 61 | Bishal Debnath | | | |
| 62 | Amit Gohain | Time Clean | Entrepreneurial initiatives to establish an online maid service in Digboi | |
| 63 | Arun Kumar Singh | | | |
| 64 | Pranabjyoti Gogoi | | | |
| 65 | Abhay Nath | | | |
| 66 | Mondip Sonowal | | | |
| 67 | Abhilash Borah | | | |



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DEBRAJ SHARMA

SEBESTIAN DKHAR

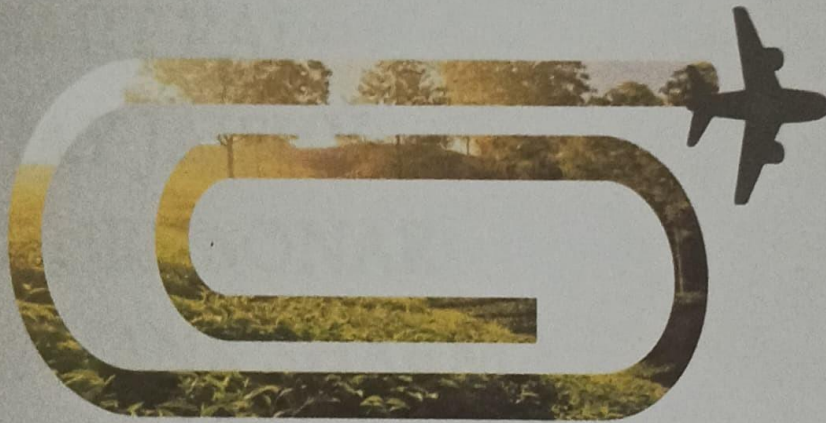
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LIFE IS LIKE
a CUP OF TEA;

TO BE FILLED TO THE BRIM
AND ENJOYED WITH FRIENDS.

In Line Fishing Pvt. Ltd.



GROUP-J

Title

Name of Company : Green Pride

Name of participants : Deboshree Malakar
Mittika Sen
Sagarika Buragohain
Tyoti Sutradhar
Tanuana Upadhyaya

Course title : Entrepreneurship

Teacher : Sampreeti Ma'am and Murchana Ma'am

Date produced : 25.02.2021



M.V.S RESTAURANT

GOOD FOOD FOR A GOOD LIFE



**DEPARTMENT OF POLITICAL SCIENCE
DIGBOI COLLEGE**

Name of students who will participate in Field Work

| SL. NO | ROLL NO | NAME |
|--------|---------|------------------------------|
| | | ARTS |
| 1 | 1 | SHRADHA RAI |
| 2 | 8 | PRARTHANA SENSOWA |
| 3 | 9 | SNIGDHA PATHACHINMOY CHETIAK |
| 4 | 10 | RITURAJ CHARINGIA |
| 5 | 12 | CHINMOY CHETIA |
| 6 | 15 | NIVA SARKAR |
| 7 | 17 | SHEFALI SEMA |
| 8 | 22 | SUNIMA TANTI |
| 9 | 24 | PRADIP SHARMA |
| 10 | 27 | NEMTHAN TEKHIL |
| 11 | 34 | SUJIT KUMAR SHARMA |
| 12 | 40 | ALIINA SOREN |
| 13 | 41 | MUNMONI SOMUWA |
| 14 | 42 | JOHN BOSCO KANDULA |
| 15 | 43 | KIRAN KALITA |
| 16 | 46 | ARPITA DEBNATH |
| 17 | 48 | SWETA CHETRY |
| 18 | 58 | ROJI ELIJA PABGYOK |
| 19 | 59 | BIPLOB HAZARIKA |
| 20 | 61 | LAKHYA BHARALI |
| 21 | 62 | AMARJIT CHAKMA |
| 22 | 64 | KONANG LONGKU |
| 23 | 69 | NIRMALA SHARMA |
| 24 | 70 | MONIKANCHAN BORPUJARI |
| 25 | 71 | AVISHA DEVI |
| 26 | 72 | FIRON TOPNO |
| 27 | 73 | JOYSHREE MORAN |
| 28 | 74 | TRIDIPJYOTU GOGOI |
| 29 | 75 | JEET BARMAN |
| 30 | 77 | B. BARSAT TANTI |
| 31 | 78 | JANU CHAKMA |
| 32 | 86 | LIZA BURAGOHAIN |
| 33 | 87 | SANJANA DEY |
| 34 | 89 | HASINA BEGUM |
| 35 | 90 | KABITA NEWAR |
| 36 | 91 | RUMA SONOWAL |
| 37 | 98 | KRISHNA MECH |
| 38 | 100 | PRIYAMIKA DEY |
| 39 | 101 | DIPIKA GORH |
| 40 | 106 | ANKU URANG |
| 41 | 107 | SOURAV GARH |
| 42 | 111 | PRITI DAS |
| 43 | 112 | PRANJALI UPADHYAY |
| 44 | 119 | KALPAJIT KHAKHLARI |
| 45 | 122 | DEEP DEY |
| 46 | 129 | SWARNIK SUR |
| 47 | 133 | NIKITA CHETRY |
| 48 | 139 | AKANGSHA TIWARI |

| | | |
|----|-----|-----------------------|
| 49 | 141 | LONI DEKA |
| 50 | 142 | UJJAL DAS |
| 51 | 143 | BILLIUM LAKRA |
| 52 | 144 | MANOJ CHETRY |
| 53 | 145 | SUNITA CHETRY |
| 54 | 146 | SWAPNA NEWAR |
| 55 | 150 | RIDIP GOGOI |
| 56 | 152 | BIPUL KONWAR |
| 57 | 156 | NISHIKA SONOWAL |
| 58 | 160 | SURAJ KUMAR GUPTA |
| 59 | 170 | NITISH MORAN |
| 60 | 171 | ABHIJIT SONOWAL |
| 61 | 174 | TAHERA BEGUM |
| 62 | 181 | SURAJ BHATTARAI |
| 63 | 183 | RIMJHIM GOGOI |
| 64 | 184 | MUKESH CHETRY |
| 65 | 185 | FARJINA KHATUN |
| 66 | 188 | DHRUBAJYOTI GOGOI |
| 67 | 189 | ISWAR CHETRY |
| 68 | 190 | SAIFUL ISLAM TALUKDAR |
| 69 | 191 | SAYANIKA GOGOI |
| 70 | 192 | RESHMI NATH |
| 71 | 193 | PORISMITA TAMULI |
| 72 | 194 | RIMJHIM SAIKIA |
| 73 | 195 | MANIK BORUAH |
| 74 | 197 | SHIVA CHAKRAVORTY |
| 75 | 207 | MUNMI MORAN |
| 76 | 208 | SHRUTI DAS |
| 77 | 210 | RAHUL GOWALA |
| 78 | 211 | BORNANI CHUTIA |
| 79 | 212 | SAMIRAN MORAN |
| 80 | 213 | JOBA DAS |
| 81 | 215 | KAPIL GOGOI |
| 82 | 223 | HABIDUL TALUKDAR |
| 83 | 225 | RUBUL DOWERAH |
| 84 | 230 | ANUPRIYA PATWA |
| | | SCIENCE |
| 85 | 50 | HIMANGSHUJYOTI BORUAH |
| 86 | 58 | ABHIJIT BORUAH |
| 87 | 142 | PRABAL DAS |



Banjit Kr. Das

Head, Department of Political Science

Digboi College, Digboi

Date: 10/05/2021

Head of the Department
Department of Political Science
Digboi College

Objectives of the study:

1. To analyze the various issues of Human Rights
2. To find out the root cause of violation of Human Rights.
3. To aware the local people about their rights and duties.
4. To find out remedial measures to protect the Human Rights.

Outcome:

After completion of the field study in and around Digboi area, it reveals that

1. Most of the peoples are not aware about their rights and duties.
2. In the urban area, environmental rights are grossly violated.
3. Human Rights violation has been found in different forms like domestic violence, child labour, torture on women and children.
4. Domestic violation has been happened due to use of alcohol or any other intoxicating drinks/drugs.
5. To prevent the Human Rights violations, a collective and cooperative effort of different sections of the society is mostly required.




Dr. Dip Saikia
Principal,
Digboi College, Digboi

Date

28/5/2021

Principal
Digboi College, Digboi



Banjit Kr. Das
Head, Department of Political Science
Digboi College, Digboi

Date:

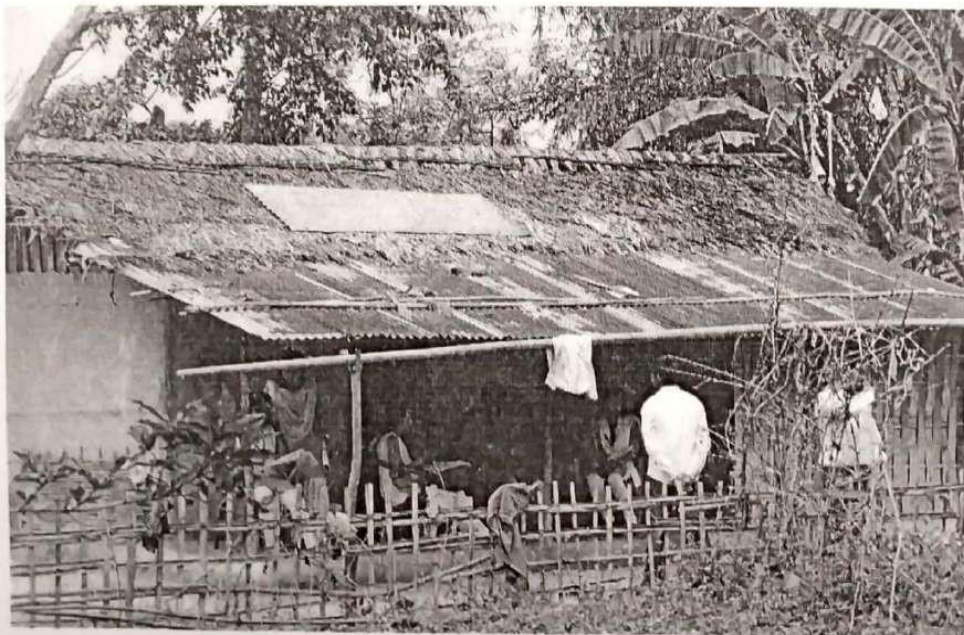
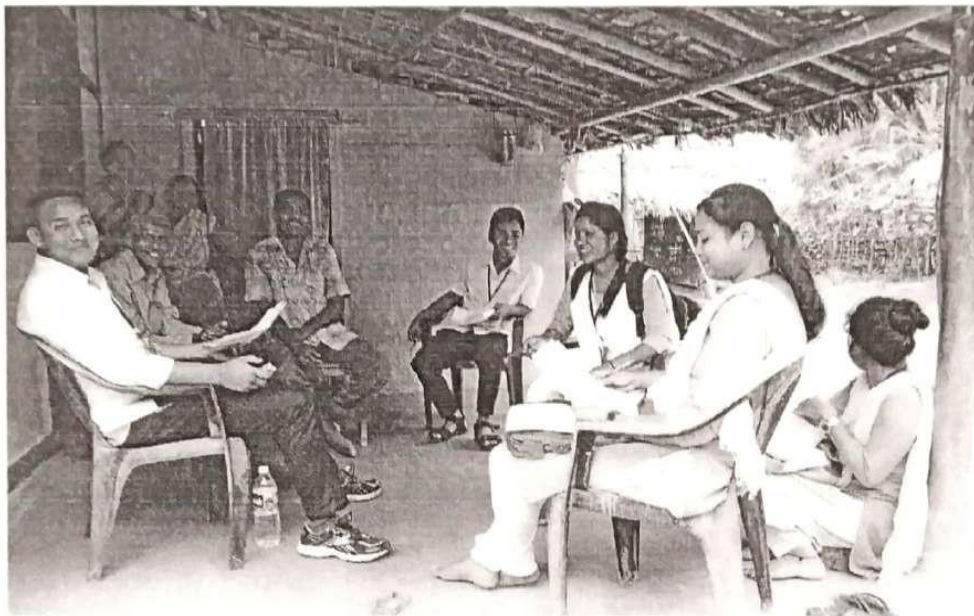
28/5/2021

Head of the Department
Department of Political Science
Digboi College
Date: 28/5/2021

REPORT ON FIELD STUDY

Date : 28-05-2021

The Department of Political Science, Digboi College, Digboi has conducted a field study on the topic "Violation of Human Rights in Digboi and its Surrounding: A Study" in 2nd week of May 2021 and submitted their report on 26 May 2021. Total 87 numbers of students involved in field study and collected primary data vis-à-vis relevant documents related to the topic during the field study.



**DEPARTMENT OF ZOOLOGY
DIGBOI COLLEGE**

Dept. of Zoology
Project Work Report 2020-2021

Learning Objective:

1. The students are assigned project individually according to the 5th semester Major Non-CBCS syllabus.
2. To acquire knowledge about how to approach a research project.
3. To acquire knowledge about the research methodology.
4. To acquire knowledge about how to write a research project.

Learning Outcome:

1. Through the project work students can inculcate their innovative ideas.
2. Through the project work they have the opportunity to learn research methodology.
3. Through the project work they have the opportunity to learn about the writing of a research project.

List of students of 2021 batch with their names and Project Titles

| Sl No | Exam Roll No (216) | Name of the Student | Project Title | Project Summary |
|-------|--------------------|---------------------|---|---|
| 1 | 20006 | Arindam Hatimuria | Analysis of Viral Gene Traces found in Bacterial Genomes using various Biological Databases and Bioinformatics Tool | This study provides an approach to better understand the role of viruses in evolution of all the other life forms by searching for possible traces of the viral gene in bacterial genomes. The search was done against 12 bacterial genera which contained hundreds of species thereby broadening scope of finding possible hits. The T7 phase tail tubular protein B traces were found in various species of the Pseudomonas genera and not even a single trace was found in other 11 bacterial genera thereby showing the specificity of infections |

Dept. of Zoology
Project Work Report 2020-2021

| | | | | |
|----------|--------------|--------------------------|---|--|
| 2 | 20008 | Basanta Kumar Dhadhumiya | A Study on the diversity of common garden and house spider in Ramnagar, Digboi, Tisukia, Assam | The study shows 10 species along with few identified species shows that spiders are more prone to settle near human settlement since they are getting their foods. It may be possible due to Forest degradation they are attracted more toward human settlement and they too follow migratory rules which is accomplished them by the process of ballooning. |
| 3 | 20015 | Chiranjeev Upadhaya | Partial Characterization and Phylogenetic analysis of Keratin Protein using various Biological Databases and Bioinformatics Tools | The study provide necessary information about the phylogeny of keratin protein in different related animals of various groups and helps us to better understand the structural analysis of keratin protein. |
| 4 | 20017 | Damson Ngemu | A Study on the Interaction of house swift birds with human and their behavior and nesting | The study provide necessary information about the interaction of house swift birds with humans , their nesting and behaviours. These information may be helpful to know more about the house swift birds as these are mostly found in outskirts places of India. |
| 5 | 20031 | Niranjan Nayak | To study the diversity of Amphibians at Digboi College Campus, Digboi Assam | In this study a total of 9 different frog species were found in the Digboi College campus. This study provides the information as potential habitats to determine of Amphibian diversity. |
| 6 | 20050 | Subash Mura | A Study on the diversity of butterflies found in Kherem Mura area, Arunachal Pradesh | This study concluded that in Kherem Mura area, Arunachal Pradesh is very rich in diversity of butterflies of 13 different species with 4 families. |
| 7 | 20060 | Anindita Dey | Partial Characterization | This study provides |

Dept. of Zoology
Project Work Report 2020-2021

| | | | | |
|----|-------|-----------------------|--|---|
| | | | and Phylogenetic analysis of Myosin Protein in Mammals using various biological databases and Bioinformatics Tools | necessary information about the phylogeny of Myosin protein in mammals and helps us to better understand the structural analysis of myosin protein. |
| 8 | 20061 | Anindita Gosh | Partial characterization and phylogenetic analysis of Actin Protein in Mammals using various Biological Databases and Bioinformatics Tools | This study provides necessary information about the phylogeny of Actin protein in mammals and helps us to better understand the structural analysis of Actin protein. |
| 9 | 20065 | Bipasha Dev Choudhury | Sudy of Hypertension among different age Group at Mission Para and CMH Area, Digboi | This study on hypertension helps to understand the basic knowledge of the causes related to the hypertension. |
| 10 | 20066 | Bornali Borah | Partial Characterization and Phylogenetic analysis of Insulin Protein in Mammals using various biological databases and Bioinformatics Tools | This study provides necessary information about the phylogeny of insulin protein in mammals and helps us to better understand the structural analysis of insulin protein. |
| 11 | 20069 | Indrakshi Dasgupta | A survey report on Local Fish Market of Digboi, Tinsukia | The local fish markets of Digboi which were taken under survey were New Market, State Bank Market, Digboi. In new market area of Digboi has the highest diversity of fishes compared to the state bank market. 30 different varieties of fishes are found in the markets. |
| 12 | 20071 | Joyita Bhattacharjee | To study the diversity of Ants at Shanti Para, Digboi, Assam | The study reveals that 8 different species of ants are found in Digboi area. Among all species <i>C. sericus</i> has the highest diversity among all species. |
| 13 | 20073 | Kashmiri Hazarika | A Project Report on A study on the diversity of Butterflies at Bhadoi Panchali Area, Dibrugarh, Assam | This study showed that the Bhadoi Panchali Area is reach in Butterflies diversity. This report showed 13 different species of |

Dept. of Zoology
Project Work Report 2020-2021

| | | | | |
|-----------|--------------|----------------------|--|--|
| | | | | butterflies. |
| 14 | 20074 | Kiran Upadhaya | Partial Characterization and Phylogenetic analysis of Cellulase Protein in Mammals using various biological databases and Bioinformatics Tools | This study provides necessary information about the phylogeny of cellulase protein in mammals and helps us to better understand the structural analysis of cellulase protein. |
| 15 | 20075 | Krishna Devi Daflari | A study on Comparison of Gastrin Protein in different classes of Mammals | This study provides necessary information about the phylogeny of gastrin protein in mammals and helps us to better understand the structural analysis of gastrin protein. |
| 16 | 20077 | Merina Deori | A study on Comparison of Amylase Protein in different groups of Insects | This study provides necessary information about the phylogeny of amylase protein in mammals and helps us to better understand the structural analysis of amylase protein. |
| 17 | 20078 | Miktrani MOUNGKANG | A study on the diversity of spider in and around Namsai | This study showed that the rich floral and faunal diversity in the sanctuary is the key to build the micro-habitats of different species. A total of 8 different species of spiders are found. |
| 18 | 20085 | Pallabi Debnath | Partial Characterization and Phylogenetic analysis of Trypsin Protein in Mammals using various biological databases and Bioinformatics Tools | This study provides necessary information about the phylogeny of trypsin protein in mammals and helps us to better understand the structural analysis of trypsin protein. |
| 19 | 20087 | Pubali Saikia | Comparison of Pepsin protein in different species of Bird using Biological Databases and Bioinformatics Tools | This study provides necessary information about the phylogeny of pepsin protein in mammals and helps us to better understand the structural analysis of pepsin protein. |
| 20 | 20093 | Seema Chakma | To study the feeding behavior of certain adult | This study showed the seasonal population trends of |

Dept. of Zoology
Project Work Report 2020-2021

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| | | | butterflies at Bijoypur-1, Bordumsa, Arunachal | butterflies in the Bijoypur, Bordumsa (A.P) area that can be beneficial to understand the community composition. This study will help researchers to uncover the critical area of temporal and spatial resource enrichment through host plant. |
| 21 | 20097 | Susmita Singh | Protein sequences for acetylcholinesterase gene of 10 different species of mammals | This study provides necessary information about the phylogeny of Acetylcholinesterase gene in mammals and helps us to better understand the structural analysis of Acetylcholinesterase gene of mammals. |



ডিগবৈ মহাবিদ্যালয়
DIGBOI COLLEGE



A STUDY ON COMPARISON OF AMYLASE PROTEIN IN DIFFERENT GROUPS OF INSECTS

This project is submitted to the Dibrugarh University as required for the partial fulfillment of degree of Bachelor of Science (B.Sc) (Full Time) of Digboi College, (DU)

SUBMITTED BY

MERINA DEORI

Roll No. : 21620077

Regn. No. : S1840059

B. Sc 6th Semester

Zoology Major

Session – 2018-21

PARTIAL CHARACTERIZATION AND PHYLOGENETIC ANALYSIS OF CELLULASE PROTEIN USING VARIOUS BIOLOGICAL DATABASES AND BIOINFORMATICS TOOLS.



**This project is submitted to the Dibrugarh university for
the partial fulfillment of B.Sc. Degree.**

Submitted by

KIRAN UPADHYAY

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B.Sc. 6th Semester

Zoology Major

Session 2021

Date - 9/9/21

9/7/2021

ANALYSIS OF VIRAL GENE TRACES FOUND IN BACTERIAL GENOMES USING VARIOUS BIOLOGICAL DATABASES AND BIOINFORMATICS TOOL

This project is submitted to the Dibrugarh university as
required for the partial fulfilment of BSc Degree



SUBMITTED BY:
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BSc 6th SEMESTER
ZOOLOGY(MAJOR)
SESSION-2021



ডিগবৈ মহাবিদ্যালয়
DIGBOI COLLEGE

To study the diversity of amphibians at Digboi College Campus, Digboi, Assam.

This project is submitted to the Dibrugarh University as required for
the partial fulfillment of degree of Bachelor of Science (B.Sc) (Full
Time) of Digboi College, (DU)

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Session – 2018–21