

PG DEPARTMENT OF BOTANY
FAKIR MOHAN AUTONOMOUS COLLEGE,
BALASORE

SEMINAR REPORT

Session : 2013 - 2014

The seminar meeting of Botany Department for the session 2013 - 2014 was held on 27th Aug, 2013. It was presided over by Principal Dr. T.C. Kara. The HOD Mrs. S P Mishra, the president of seminar gave inaugural speech followed by other members of the department Dr. B.L Dash.

The wall magazine 'PALLAVI was inaugurated by the principal and several consecutive meetings were held with following students delivering seminar talks.

Lastly at the end of academic session during month of February 2014 the annual function along with farewell to +3rd year students was held.

All the teachers and students enthusiastically participated in the meeting. The wall magazine PALLAVI was inaugurated by principal with chief speaker.

The department organized a study tour during the month of February to collect herbarium and other plant materials for their study work

All the teachers and students co-operated and participated in the seminar, study tour and other activities.

SEMINAR TALK

DEPARTMENT OF BOTANY 2013-2014

SL NO	NAME OF STUDENT	PROJECT
<u>1</u>	<u>Abhishek Mohanty</u>	<u>Neem</u>
<u>2</u>	<u>Bijayani Pradhan</u>	<u>Adaptive Secondary Growth</u>
<u>3</u>	<u>Budhiram Singh</u>	<u>Adaptive Secondary Growth</u>
<u>4</u>	<u>Chittaranjan Sethi</u>	<u>Totipotency</u>
<u>5</u>	<u>Kalpanarani Sahoo</u>	<u>Ovule</u>
<u>6</u>	<u>Kurtika Sethi</u>	<u>Apical Meristem</u>
<u>7</u>	<u>Namita Nayak</u>	<u>Megasporogenesis</u>
<u>8</u>	<u>Namita Rani Sahu</u>	<u>Sweet Sugarcane</u>
<u>9</u>	<u>Narrotam Manna</u>	<u>Endosperm</u>
<u>10</u>	<u>Padmavati Patra</u>	<u>Rice - A Golden Grain</u>
<u>11</u>	<u>Pragyan Priyadarshini Pandey</u>	<u>Organisation Of Vascular Bundles</u>
<u>12</u>	<u>Rabindra Kumar Memda</u>	<u>Ventilating Tissues</u>
<u>13</u>	<u>Radharani Rout</u>	<u>Microsporogenesis</u>
<u>14</u>	<u>Ranjita Tudu</u>	<u>Tetrasporic Embryo Sac</u>
<u>15</u>	<u>Rashmita Singh</u>	<u>Orchidaceae</u>
<u>16</u>	<u>Rupalin Jena</u>	<u>Ocimum sanctum</u>
<u>17</u>	<u>Sagar Sethi</u>	<u>Mechanical Tissue In Plant</u>
<u>18</u>	<u>Salkhu Majhi</u>	<u>Shoot Tip Culture</u>
<u>19</u>	<u>Samir Kumar Malick</u>	<u>Development Of Embryo` Dicot Plant</u>
<u>20</u>	<u>Sasmita Maity</u>	<u>Monosporic & Bisporic Embryo Sac</u>
<u>21</u>	<u>Satya Sundar Samal</u>	<u>Jute</u>
<u>22</u>	<u>Soumyashree Patra</u>	<u>Vincarosea</u>
<u>23</u>	<u>Satyasib Majhi</u>	<u>Conducting Tissue</u>
<u>24</u>	<u>Soumya Gadanayak</u>	<u>Bamboo</u>
<u>25</u>	<u>Sulagna Hota</u>	<u>Aloe vera</u>
<u>26</u>	<u>Sunyakanta Shial</u>	<u>Microgametogenesis</u>
<u>27</u>	<u>Soumya Rekha Mahakud</u>	<u>Secondary Growth In Monocot Stem</u>
<u>28</u>	<u>Sweta Das</u>	<u>Ground Nut</u>
<u>29</u>	<u>Tapan Kumar</u>	<u>Anamalous Secondary Growth</u>
<u>30</u>	<u>Trushna Rout</u>	<u>Non Adaptive Secondary Growth</u>

SEMINAR REPORT

Session : 2014 - 2015

The inaugural seminar meeting of Botany Dept. for the session 2014-15 was held on 13.09.2014.

The meeting presided by our principal Dr. S. Nayak. The H.O.D. Mrs. S.P. Mishra gave the inaugural speech followed by other teachers Dr. B.L Dash, Sr. R. Rout and Dr U.B. Sahu. In this inaugural session the seminar talk was presented by Ms. J. Mohanty on Topic "Light as an ecological factor -and C.K. Das on topic 'BioFuel'. The talk was followed by a short informative discussion with the participation of both teacher and students.

The wall magazine "Pallavi" was inaugurated by Principal Sir

During the session all total of 32 (thirty two) seminars were held including celebration of Teacher's Day Welcome and Farewell Ceremony

On 12th January, 2015 our dept organized a short field study tour to collect herbarium and other plant material in and around the college campus and nearby fields in Balasore town.

All the teachers and students participated enthusiastically in the seminar and study tour

SEMINAR TALK

DEPARTMENT OF BOTANY 2014-2015

SL NO	NAME OF STUDENT	SEMINAR TOPIC
1	Jyotilipsa Mohanty	Light As An Ecological Factor
2	Chinmaya Kumar Das	Biofuel
3	Itishree Nayak	Glycolysis
4	Karishma Das	Photoperiodism
5	Govinda Panigrahi	Mendelism
6	Krishna Kumari Das	Double Fertilisation
7	Minati Marndi	Photorespiration
8	Suchismita Pradhan	Transpiration
9	Amrita Mohanty	Hydrophytes
10	Sasmita Soren	Ecotype
11	Swagatika Padhiary	Acid Rain
12	Satabdi Mohapatra	Air Pollution
13	Ashish Kumar Behera	Kreb's Cycle
14	Lachhman Soren	Social Forestry
15	Nayan Prava Majhi	Water Pollution
16	Anusaya Behera	Ecological Pyramid
17	Pragati Sahu	<i>Rauwolfiaserpentina</i>
18	Chandra Sekhar Bhoi	Plant Sleep
19	Poonam Singh Deo	Ascent Of Sap
20	Sushree Sangita Das	Noise Pollution
21	Suchismita Pradhan	Transpiration
22	Pradyumna Pati	Gene Bank
23	Rumani Rutuparna	The World Of Killer Plants
24	Pragyan Pati	<i>Aloe vera</i>
25	Prasanta Senapati	Bt Cotton
26	Sadyasanata Nayak	Jute
27	Chinmayee Mohanty	Epiphytes
28	Amiayabala Naik	Mitochondrion
29	Kabita Rani Behera	Nitrogen Cycle
30	Pratik Panda	Ecosystem
31	Sasmita Pradhan	Halophytes
32	Soumyashree Mohanty	Biosphere

SEMINAR TALK

DEPARTMENT OF BOTANY 2015-2016

SL NO	NAME OF STUDENT	SEMINAR TOPIC
1	Suchitra Singh	Absorption Of Water
2	Ranjita Samal	Ascent Of Sap
3	Ipsita Jena	Theories Of Transpiration
4	Layatmika Dinda	Light Reaction
5	Abhisek Das	CO ₂ Fixation In C3 Plants
6	Shardha Hembram	Photorespiration
7	Arun Kumar Jena	Glycolysis And Fermentation
8	Purnatoya Panda	Kreb's Cycle
9	Laxmipriya Rout	Photoperiodism
10	Monalisha Naik	Vernalization
11	Arpita Nayak	Biological Nitrogen Fixation
12	Krishna Dwivedy	Light As A Ecological Factor
13	Monalisha Jena	Hydrophytes
14	Rajesh Kumar Behera	Xerophytes
15	Utkalika Padhi	Epiphytes
16	Sheetiswapna Nayak	Halophytes
17	Dayanidhi Samanta	Energy Flow in Ecosystem
18	Subashini Muduli	Green House Effect
19	Shwetaprajyana Nayak	Apical Meristem
20	Jytirekha Mantri	Root Stem Transition
21	Kanhei S. Mohanty	Conducting Tissues
22	Saima Attiullah	Organization Of Vascular Bundles
23	Dinesh Kumar Nayak	Adaptive Secondary Growth
24	Madhuchhanda Behera	Hutchinson Classification
25	Parshuram Majhi	Bentham & Hooker's Classification
26	Gayatri Nayak	Secondary Growth
27	Sonalita Baraj	Ventilating Tissue System
28	Swagatika Mohapatra	Embryo Sac
29	Ashirbad Behera	Types Of Endosperm
30	Deepika Nayak	Mechanical Tissue
31	Prakash Ch Behera	Secondary Growth in Monocot Stem
32	Satyasubham Jena	Medicinal Plants
33	Abhisek Majhi	Nitrogen Cycle
34	Subhashree Behera	Ecad, Ecotype, Ecocline

SEMINAR TALK

DEPARTMENT OF BOTANY 2016-2017

SL NO	NAME OF STUDENT	SEMINAR TOPIC
1	Shakti Swarupa Barik	Ventilating Tissue
2	Glossy Nayak	Tetrasporic Embryo Sac
3	Dipti Priyadarshini	Endosperm Types
4	Panachanan Baskey	Hutchinson Classification
5	Krishnananda Das	Light As A Ecological Factor
6	Sanjay Kumar Singh	Energy Flow In Ecosystem
7	Marshal Murmu	Absorption Of Water
8	Ashish Kumar Sasmal	Halophytes
9	Meghraj Marndi	Biological Nitrogen Fixation
10	Bishnupriya Paul	Greenhouse Effect
11	Tanushree Behera	Root Stem Transition
12	Amit Kumar Sethi	Photorespiration
13	Anindita Kar	Ascent Of Sap
14	Smruti Ranjan Rout	Light Reaction
15	Shilpi Samantray	Adaptive Secondary Growth
16	Sushreeprava Bindhani	Embryo Development In Monocot
17	Himanshu Sekhar Barik	Bentham & Hooker's Classification
18	Netajee Tapas K. Sahoo	Xerophytes
19	Rashmirekha Das	Apical Meristem
20	Jyotiranjan Praharaj	Xerosere
21	Abhipsa Mahala	Conducting Tissue
22	Pracheta Patra	Hydrophytes
23	Aparajita Jena	Adaptive Secondary Growth
24	Preetam Ku. Senapati	Glycolysis And Fermentation
25	Soubhagya Mohanty	Theories Of Transpiration
26	Prasanta Ku. Sahani	Organisation Of Vascular Bundles
27	Sujit Kumar Ghosh	Calvin Cycle
28	Liptikanta Bhoi	Photoperiodism
29	Anjana Jena	Ecosystem
30	Jyotisnigdha Das	Embryo Sac (Mono & Bisporic)
31	Debajyoti Behera	Non Adaptive Secondary Growth
32	Debasis Hasu	Epiphytes
33	Geetanjali Ratha	Mechanical Tissue
34	Subham Moharana	Kreb's Cycle
35	Rajat Kumar Nayak	Hydrosere
36	Simalin Patra	Meristematic Tissue Organistaion
37	Manas Ranjan Bhoi	Vernalisation

PROJECT TOPICS OF 2016-2017

SL NO.	NAME	TOPIC
1	Tanushree Behera	Plant diversity of Sahadevkhunta
2	Simalin Patra	Plant diversity in my native place
3	Sushreeprava Bindhani	Plant diversity in my native place
4	Marshal v.b. Murmu	Plant diversity in my native place
5	Sujit Kumar Ghosh	Plant diversity of Olmarea
6	Saubhagya Mohanty	Biodiversity of local area
7	Meghraj Marndi	Plant diversity in my native place
8	Preetam Kumar Senapati	Plant diversity in my native place
9	Pracheta Patra	Plant diversity
10	Panchanan Baskey	Plant diversity in my native place
11	Rajat Kumar Nayak	Plant diversity in my native place
12	Anindita Kar	Plant diversity in my native place
13	Jyoti Ranjan Praharaj	Biodiversity of local area
14	Jyoti Snigdha Das	Biodiversity of my native place basta
15	Krishnananda Das	Plant diversity in my native place
16	Liptikanta Bhoi	Plant diversity
17	Manas Ranjan Bhoi	Plant diversity of bhitarkanika
18	Sanjay Kumar Singh	Plant diversity in my native place
19	Rashmirekha das	Plant diversity in my native place
20	Aphibsa Mahala	Plant diversity of Choudhury sahi
21	Bushnupriya Paul	Plant diversity of karanjia
22	Debajyoti Behera	Plant diversity of my native place basta
23	Dipti Priyadarshini	Plant diversity of bhimpura
24	Geetanjali Ratha	Plant diversity in my native place
25	Glossy Nayak	Plant diversity of aradbazaar
26	Himanshushekhar Barik	Biodiversity of local area

PROJECT TOPICS OF 2017-2018

Roll No	Name	Project
1	TRILOCHAN TUDU	DARK REACTION OF PHOTOSYNTHESIS
2	GANESH KUMAR MAJHI	GLYCOLYSIS
3	DEEPAK KUMAR MARNDI	BIOLOGICAL NITROGEN FIXATION
4	DEEPALI DEY	TYPES OF CLONING VECTOR
5	DEBABRATA MOHANTY	PROTOPLAST ISOLATION
6	SWARNA P HANSDAH	EDIBLE VACCINE
7	SAGAR BIJULI	TCA CYCLE
8	RAJESHWARI MAJHI	BT COTTON
9	RAJESH MAJHI	TISSUE CULTURE MEDIA
10	SONALI PARIDA	DETERMINATION OF BOD OF WATER
11	SUBHASHREE JENA	SYNTHESIS AND CATABOLISM OF SUCROSE AND STARCH
12	UPASANA GIRI	SEWAGE TREATMENT
13	SAGEN SANKHA SORE	BIOREACTORS
14	SUCHISMITA MANDAL	CYANIDE RESISTANT RESPIRATION
15	RANJEETA TUDU	SYNTHESIS AND BREAKDOWN OF TRIGLYCERIDES
16	RANJITA MAJHI	CLONING VECTORS
17	RASHMITA TUDU	TRANSGENIC CROPS
18	ANKITA BARDHAN	ENZYME IMMOBILIZATION
19	ANUPAMA KISKU	DIRECT GENE TRANSFER
20	AISHWARIYA MOHANTY	MICROBES AS INDICATORS OF WATER QUALITY
21	ADYASHA PANDA	BIOREMEDIATION OF CONTAMINATED SOIL
22	PRAKASH CHANDRA BEHRA	GENOMIC DNA LIBRARIES
23	PRIYANKA P SETHI	SELECTION OF TRANSGENICS
24	ASHISH JENA	PHOTORESPIRATION
25	BISWABANDITA BARIK	ISOLATION OF MICROBES
26	SUSMITA JENA	HUMILINE
27	UTTAM KUMAR BARIK	RESTRICTION ENDONUCLEASES
28	CHINMAYEE SETHI	ATP SYNTHESIS
29	LAXMAN HEMBRAM	MOONDUST CARNATIONS
30	MARSHAL TUDU	MYCORRHIZAE
31	JYOTIREKHA MOHANTY	PROBES OLIGONUCLEOTIDES AND HETEROLOGOUS
32	NABAJYOTI BISWAL	FERMENTATION
33	IPSITA JENA	OXIDATIVE PENTOSE PATHWAY
34	DIPTI HARIHAR SANTRA	MICROBIAL ENZYME
35	SWETAPADMA SAHU	ETS AND OXIDATIVE PHOSPHORYLATION
36	GIRIDHAR BHUYAN	SUPERBUG
37	HAREKRUSHNA PRADHAN	ASPERGILASE, PROTEASE, LIPASE

1	CHANDAN KUMAR MOHARANA	ARTIFICIAL GENE TRANSFER: METHODS AND APPLICATIONS
2	DEBABRATA PUHAN	EUKARYOTES AS CLONING VECTOR
3	PRAKASH NAYAK	PHYSIOLOGY AND BIOCHEMISTRY OF NITROGEN FIXATION
4	PREETISUDHAMOHAPATRA	REPORTER GENE AND ITS APPLICATIONS
5	SONALIGIRI	INDUSTRIAL PRODUCTION OF ALCOHOLIC BEVERAGES BY MICROBIAL FERMENTATION
6	RICHITATARAI	BIOREMEDIATION OF CONTAMINATED SOIL
7	SHRABANISANDHYADWIVEDY	DOWNSTREAM PROCESSING-AN INDISPENSABLE PATHWAY IN INDUSTRY
8	SONALIPANIGRAHY	MYCORRHIZAE
9	SOURAVKUMARPATRA	CARBON FIXATION IN DESERT PLANTS
10	SUBHASHREEMAHANTA	HATCH AND SLACK PATHWAY OF CARBON FIXATION
11	SARMISTHAGIRI	OXIDATION OF LIPIDS
12	KIRAN KUMARJENA	INDUSTRIAL PRODUCTION AND ESTIMATION OF AMYLASE
13	ELISHA SETHI	EDIBLE VACCINES AND IMMUNIZATION AN OVERVIEW
14	CHANDANKUMAR DAS	ENZYME IMMOBILIZATION: METHODS AND LARGE SCALE APPLICATIONS
15	SUSHREESHUBHRAMOHANTY	FERMENTATION:A BOON TO MANKIND
16	SUMANSURAVISAMAL	PHOTOPHOSPHORYLATION:CYCLIC AND NON CYCLIC
17	DEBASHISHBEHERA	GENETICALLY ENGINEERED PRODUCTS (HUMULIN AND HUMAN GROWTH HORMONE)
18	SHRADHANJALI SWAIN	ROLE OF TRANSGENIC IN BIOREMEDIATION
19	ABHISEKH DAS	MECHANISM OF ATP SYNTHESIS
20	PARESHKUMAR DAS	POLYMERASE CHAIN REACTION
21	MANISHA BEHERA	PRODUCTION OF BT COTTON AND GROUNDUP READY SOYABEAN
22	MRUTYUNJAY DAS	PROTOPLAST ISOLATION, CULTURE AND FUSION
23	PADMALOCHANSINGH	CALVIN CYCLE
24	P. MANISHA	ISOLATION, CULTURE AND MAINTAINANCE OF MICROORGANISMS

25	MADHUSHREEMISHRA	ELECTRON TRANSPORT AND OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA
26	KSHIRODKUMARBANUA	PRODUCTION AND ESTIMATION OF PENICILLIN
27	KRISHNAKANYABEHERA	GLYCOLYSIS AND FATE OF PYRUVATE
28	JAYASMITAMALLIK	BIOREACTORS
29	JANMEJAYPATRA	INDUSTRIAL APPLICATION OF MICROORGANISMS
30	IBAMADHUSHREEMISHRA	PROKARYOTES AS A CLONING VECTOR
31	DEBASIKHA HUI	FLAVRSVR TOMATO AND GOLDEN RICE
32	FIROJKUMARNAYAK	WATER POLLUTION
33	HIRA KISKU	INDUSTRIAL PRODUCTION AND ESTIMATION OF CITRIC ACID
34	RASHMIPRAVAMURMU	MICROBES AS BIOINDICATOR
35	SONALIBHUYAN	MECHANISM OF SIGNAL TRANSDUCTION
36	SOVANGINIMOHARANA	TCA CYCLE
37	PRANGYABINODINEE	PRODUCTION AND USES OF SECONDARY METABOLITES
38	C.S. SRIMA	CONSTRUCTION OF GENOMIC AND C DNA LIBRARY
39	SONALIBHUYAN	MECHANISM OF SIGNAL TRANSDUCTION
40	SASWATI ROUT	PRODUCTION OF HAPLOID PLANTS
41	SANGITA PANDA	INDUSTRIAL PRODUCTION AND ESTIMATION OF LIPASE
42	SABITAMANDAL	ISOLATION OF MICROORGANISMS FROM ABIOTIC SOURCES