

A REPORT ON
WORLD ENVIRONMENT DAY CELEBERATION IN
JAGANNATH BAROOAH COLLEGE
(AUTONOMOUS),
JORHAT, ASSAM



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**ECO CLUB OF JAGANNATH BAROOAH COLLEGE
(AUTONOMOUS) CELEBRATES**

A graphic for World Environment Day. It features a stylized green Earth with two green leaves sprouting from the top left. To the right of the Earth is the college's logo (the shield with the torch and book). To the right of the logo, the words "WORLD ENVIRONMENT DAY" are written in large, bold, green capital letters.

**ALONG WITH NCC, NSS, J.B. COLLEGE WOMEN CELL AND GREEN
PLUS SOCIETY OF J.B. COLLEGE (AUTONOMOUS)**
IN COLLABORATION WITH
JORHAT SCIENCE CENTRE AND PLANETARIUM
DATE: 5TH JUNE, 2022

A SEMINAR ON
UNDERSTANDING OF CARBON -DIOXIDE, GREEN HOUSE GASES AND
CLIMATE CHANGE

Organised by
ECO CLUB along with NCC, NSS, J.B. College Women cell and Green Plus Society of
Jagannath Barooah College (Autonomous)

In collaboration with
Jorhat Science Centre and Planetarium, Jorhat, Assam



INVITED SPEAKER
DR. PRANABJYOTI CHETIA
CURATOR & I/C
JORHAT SCIENCE CENTRE AND
PLANETARIUM,
JORHAT., ASSAM, INDIA



INVITED SPEAKER
DR. VIPIN PARKASH
SCIENTIST F & HEAD OF THE DI-
VISION , PLANT PATHOLOGY
FOREST RESEARCH INSTITUTE
DEHRADUN, INDIA

Date: 5th June, 2022,
Time : 11 A.M. Onwards
Venue: Auditorium (Jorhat Science Cen-
tre and Planetarium), Jorhat



Organized by

ECO CLUB along with NCC, NSS, J. B. College Women Cell & Green Plus Society
J. B. College (Autonomous), Jorhat
In Collaboration with
Jorhat Science Centre & Planetarium, Jorhat

5th of June, 2022:

World Environment Day (WED) is celebrated annually on 5 June and is the United Nations' principal vehicle for encouraging awareness and action for the protection of the environment. First held in 1973, it has been a platform for raising awareness on environmental issues such as marine pollution, overpopulation, global warming, sustainable development and wildlife crime. World Environment Day is a global platform for public outreach, with participation from over 143 countries annually. Each year, the program has provided a theme and forum for businesses, non government organizations, communities, governments and celebrities to advocate environmental causes. The theme of World Environment day 2022 is "**Only One Earth**" Under this theme, World Environment day was observed, highlighting the need to live sustainably in harmony with nature. This day provides us with an opportunity to take responsible steps to preserve and enhance the environment.

This year too, World environment Day was celebrated in the college with a detailed programme schedule. ECO CLUB of the College along with NCC, NSS, J.B. College Women cell and Green Plus Society in collaboration with Jorhat Science Centre and Planetarium celebrated the day. The celebration started with a plantation programme on 2nd of June, 2022. Around 20 saplings were planted in the main campus and commerce campus of the college. The planted saplings were mostly tree species viz. *Mimusops elengi*, *Delonix regia*, *Terminalia chebula*, *Syzygium cumini*, *Caesalpinia pulcherrima*, *Psidium guajava* and *Syzygium jambos*. Altogether 20 students participated in the plantation programme (Plate 1).

The next programme was a human rally that started from the J.B. College (Main campus) to the District Science centre and Planetarium on 5th of June, 2022. Altogether 90 students and 7 teacher members participated in the event (Plate 2). Around 20 NCC cadets and 15 NSS members , 50 members of ECO CLUB along with the members of the J.B. College Student Union actively participated in the event. A slogan Competition was also organised in the rally and three students were declared as winners of the slogan competition. The award winning slogan was "Stop littering the Lungs of Earth."

Followed by Slogan Competition, a street play was performed by NSS members in the streets of Baruah Chari-Ali, Jorhat (Plate 3). The theme of the play was "Earth- Our Home." In the play the members showed the process of origin and evolution of mother earth, the layers of atmosphere and how green house gases have affected the ozone layer and lastly the effect of man made activities in the depletion and degradation of the earth's atmosphere and gradual loss of biodiversity.

After reaching the Jorhat Science centre and planetarium, a light refreshment was given followed by a seminar on "Understanding of Carbon –di-oxide, green house gases and climate change." in blended mode, i.e. both online and offline mode (Plate 4). Altogether 120 participants joined the seminar in offline mode and 7 participants in online mode. The seminar hosted by Lalsanlevis Nampui started with a welcome address by the respected Principal Sir of the college, Dr. Utpal Jyoti Mahanta followed by a lecture by Dr. Pranabjyoti

Chetia, Curator and i/c of the District Science centre and Planetarium . He presented his lecture on “Threats on anoxic ocean.” He emphasized on the affect of anthropogenic activities on the ocean life. **Oceanic anoxic events or anoxic events** (anoxia conditions) describe periods wherein large expanses of Earth's oceans were depleted of dissolved oxygen (O_2), creating toxic, euxinic (anoxic and sulfidic) waters. He described how these events have affected the marine life and ultimately leading to depletion of marine resources. The next seminar presentation was given by Dr. Vipin Parkash, Scientist F and Head of the Division of Plant Pathology, Forest Research Institute, Dehradun, India. He is also the M.Sc Program Co-ordinator of Forest Research Institute (Deemed) University. He delivered his lecture on the “Effect of green house gases and climate change in the Forest resources.” He showed in his power point presentation how natural resources specially forest resources have depleted in the short span of time and the effect of environmental degradation in the forest resources. Moreover he also pointed out the chief ways to mitigate the climate change. He also further spoke about the role of beneficial microorganisms such as PGPR, PGPF, endophytes and endomycorrhizae in the growth and development of forest trees and how they play vital role against the ill effects of deforestation. The student members and other participants were highly benefitted from the seminar.

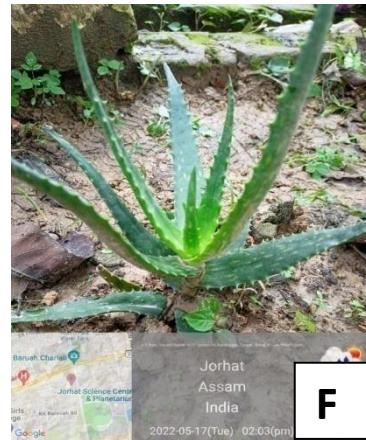
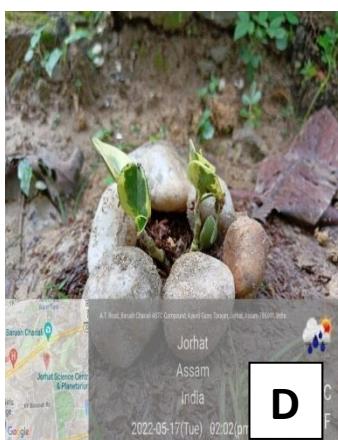
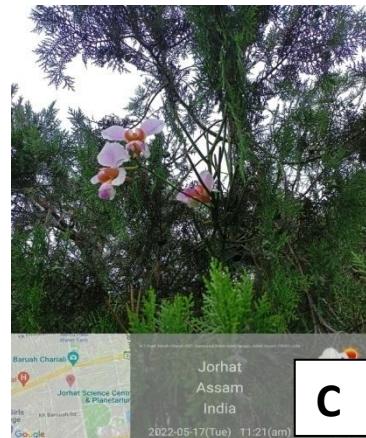
At the end of the programme, a short film was screened named “Carry bag.” The film was directed by Dr. Dibya Jyoti Bora based on environmental pollution with special emphasis on Plastic Pollution. Lastly the programme came to an end with the prize distribution ceremony, where the winners of the Photography competition and Poster competition organised by ECO CLUB on the occasion of world Biodiversity day on 22nd May, 2022 were presented with a trophy and certificate. At last the program came to an end with a Vote of thanks given by Dr. Liza Handique Bhattacharyya, Co-ordinator, ECO CLUB, J.B. College, Jorhat, Assam.

An inventory was also prepared in which the floral diversity of the J.B.College Campus (Main campus and commerce campus) was assessed on that day post seminar. The list of plants present in the campus are documented in the table 1 below. Some of the species in the college campus are shown in the pic plate below.

Table 1: List of plant species in the campus of J.B. College

Sl no.	Local Name	Scientific name	Family
1	Neem	<i>Azadirachta indica</i>	Meliaceae
2	Bokul	<i>Mimusops elengi</i>	sapotaceae
3	Devadaru	<i>Polyalthia longifolia</i>	Annonaceae
4	Aam	<i>Mangifera indica</i>	Anacardiaceae
5	Aamlokhi	<i>Emblica officinalis</i>	Phyllanthaceae
6	Krishnachura	<i>Delonix regia</i>	Fabaceae
7	Sashi	<i>Aquilaria malaccensis</i>	Thymelaeceae
8	Kanchan	<i>Bauhinia variegata</i>	Fabaceae
9	Hunaru	<i>Cassia fistula</i>	Fabaceae
10	Silikha	<i>Terminalia chebula</i>	Combretaceae
11	Jamu	<i>Syzygium cumini</i>	Myrtaceae

Sl no.	Local Name	Scientific name	Family
12	Palm	<i>Areca sp.</i>	Arecaceae
13	Bogori	<i>Zizyphus mauritiana</i>	Rhamnaceae
14	Radhachura	<i>Caesalpinia pulcherrima</i>	Caesalpiniaceae
15	Palash	<i>Butea monosperma</i>	Fabaceae
16	Tulsi	<i>Ocimum sanctum</i>	Lamiaceae
17	Madhuri	<i>Psidium guajava</i>	Myrtaceae
18	Boga jamu	<i>Syzygium jambos</i>	Myrtaceae
19	Posotia	<i>Vitex negundo</i>	Lamiaceae
20	Jom lakhuti	<i>Cheilocostus speciosus</i>	Zingiberaceae
21	Boga bahok	<i>Adhatoda vasica</i>	Acanthaceae
22	Bird's of paradise	<i>Heliconia rostrata</i>	Heliconiaceae
23	Arjuna	<i>Terminalia arjuna</i>	Combretaceae
24	Joba	<i>Hibiscus rosa-sinensis</i>	Malvaceae
25	Kordoi	<i>Averrhoa carambola</i>	Oxalidaceae
26	Kaju	<i>Anacardium occidentale</i>	Anacardiaceae
27	Sewali	<i>Nyctanthus arbour tristis</i>	Oleaceae
28	Nuni	<i>Morus alba</i>	Moraceae
29	Kaji nemu	<i>Citrus lemon</i>	Rutaceae
30	Jolfai	<i>Elaeocarpus serratus</i>	Elaeocarpaceae
31	Aam ada	<i>Curcuma amada</i>	Zingiberaceae
32	Halodhi	<i>Curcuma longa</i>	Zingiberaceae
33	Mussaenda	<i>Mussaenda erythrophylla</i>	Rubiaceae
34	Salvia	<i>Salvia officinalis</i>	Lamiaceae
35	Rose	<i>Rosa sp.</i>	Rosaceae
36	Khorikajai	<i>Jasminum officinalis</i>	Oleaceae
37	Ashok	<i>Ixora coccinea</i>	Rubiaceae
38	Hasnahana	<i>Cestrum nocturnum</i>	Solanaceae
39	Robab	<i>Citrus maxima</i>	Rutaceae
40	Mediterranean cypress	<i>Cupressus sp.</i>	Cupressaceae
41	Latuguti	<i>Gnetum gnemon</i>	Gnetaceae
42	Pine	<i>Araucaria sp.</i>	Araucariaceae
43	Sal kunwori	<i>Aloe vera</i>	Asphodelaceae
44	Hagor fena	<i>Opuntia dilleni</i>	Cactaceae
45	Cactus	<i>Cacti sp.</i>	Cactaceae
46	Pate goza	<i>Kalanchoe pinnata</i>	Crassulaceae
47	Kapou phul	<i>Arundina graminifolia</i>	Orchidaceae
48	Kapou phul	<i>Rhynchosystylis sp.</i>	Orchidaceae
49	Kapou phul	<i>Dendrobium sp.</i>	Orchidaceae
50	Kapou phul	<i>Phylonaenthe tere</i>	Orchidaceae



PIC Plate : A- *Dendrobium anosmum*, B, C- *Papilionanthe teres*, , D- A succulent, E,F,G- Different varieties of *Aloe* sp.



Plate 1: Plantation programme in the main campus and commerce campus of the College



Plate 2: Rally and slogan competition from College to District science centre and Planetarium.



Plate 3: A glimpse of street play

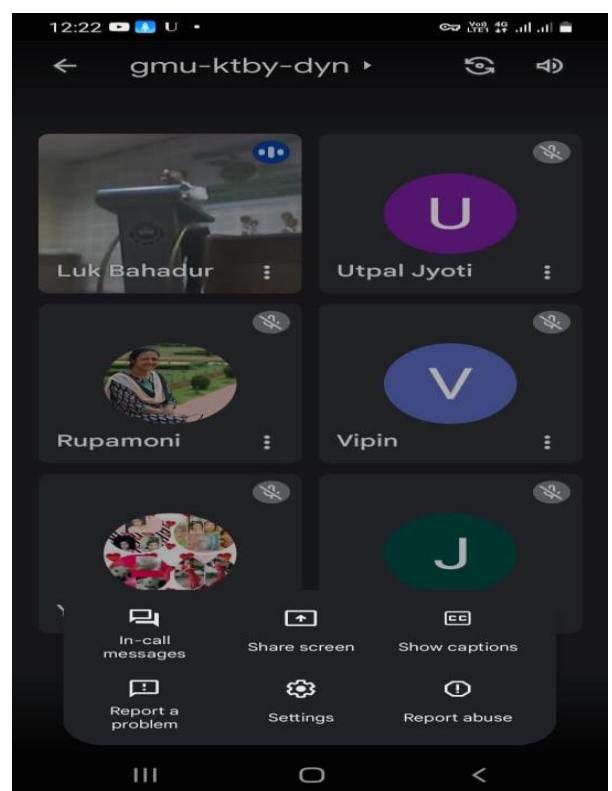


Plate 4: A glimpse of the seminar in blended mode (both online and offline)