

## **ACTIVITIES OF SCIENCE PROMOTION COMMITTEE, LADY BRABOURNE COLLEGE**

**(2015-2021)**

Higher Education Institutions like Colleges, Universities and Research Institutes, apart from their usual role in imparting knowledge to students, have a unique capacity to promote excitement and awareness about science to young students. Students coming from diverse backgrounds can be encouraged by connecting them with Scientists, Environmentalists, Doctors, and Academicians who can enlighten the young minds about innovative research and technology, pressing environmental issues and their possible remedies, different diseases and health and hygiene issues. With this goal in mind, Lady Brabourne College has constituted a Science Promotion Committee which organises various seminars, workshops, awareness programmes to enrich and expand the knowledge of our students. These lectures and workshops are organised with an aim to benefit students pursuing Science subjects as well as Humanities and Social Sciences. Here is a brief glance at the various Awareness Programmes organised by the Science Promotion Committee, Lady Brabourne College for the last 5 years.

## **Activities of Science Promotion Committee in 2014-15**

1. Workshop on Food Safety for students of other Colleges on the topic ‘**Food and Nutrition and Microbiology**’ (16.1.2015)
2. National Science Day Exhibition on microbe market for students of Vidyabharati School (28.2.2015). The “**National Science Day**” was celebrated in the College on the 28<sup>th</sup> of February by 10 Undergraduate and 4 Postgraduate Science departments under the able leadership of the Science Promotion Committee of our College. The different exhibitions organised by these science departments were enthusiastically visited by the students of Classes X and XI of Vidyabharati School, Kolkata and also by students and faculty members of our College.
3. Awareness programme on **Swine Flu and Ebola Virus** on 28.3.2015.
4. Observed **World Health Day** with power point presentation, poster presentation and demonstration on food safety on 7.4.2015.

### Workshop on Food Safety



## Activities of the Science Promotion Committee in 2015-2016

1. The “**National Science Day**” was celebrated in the College on the 29th February, 2016 by 10 Science Departments of the College under the able leadership of the conveners and members of our Science Promotion Committee. The different programmes organized by these Science Departments were enthusiastically appreciated by students and faculty members of our College.

A **competition on creative writing** was arranged for our science students. The topic was a science fiction – ‘**The Landing of Astra 9 on An Unknown Planet**’. Besides, certain experiments on Physics were also demonstrated for science students in our auditorium.

## Activities of Science Promotion Committee in 2016-2017

1. **Cervical Cancer Awareness Programme** in collaboration with Bengal Obstetric and Gynaecological Society on 16th February, 2017 where lectures were delivered by distinguished doctors who interacted with the students.

2. **Awareness programme on Thalassemia** by the Thalassemia Society Kolkata was held on 23.11.16.

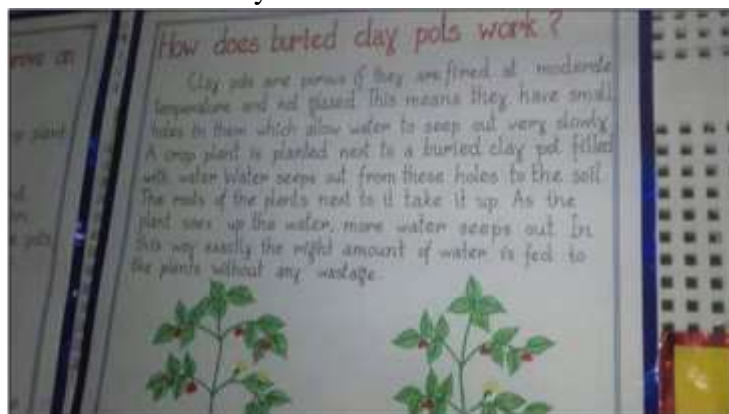
3. **Awareness programme on Gastroenteritis due to viral infection with special emphasis on Rotavirus** was delivered by Dr. Sekhar Chakraborty, NICED, Kolkata on 27.9.16 organised in collaboration with the Department of Microbiology, Lady Brabourne College.

4. Indian Science Congress Association, Kolkata Chapter, in collaboration with Science Promotion Committee, Lady Brabourne College organised a **seminar on ‘Science and Technology for Specially Abled Persons’** on **National Science day** on 28.02.2017.



Awareness Programme on Gastroenteritis due to viral infection with special emphasis on Rotavirus delivered by Dr. Sekhar Chakraborty, NICED, Kolkata on 27.9.16

## An exhibition by students on National Science Day in 2017



## Activities of Science Promotion Committee in 2017-2018

1. **Awareness Programme** on 23.11.2017 was held in which Dr. Anindita Chaudhuri, Department of Psychology, University of Calcutta, spoke on ‘**Social Media and Reality: an Interface**’
2. A **Breast Cancer Awareness Programme** was conducted by Narayana Health Care, a part of Narayana Hrudayalaya on 30.11.2017.
3. **National Science Day** was celebrated on 28.02.2018. Dr. Gautam Basu, Professor, Biophysics Department, Bose Institute, Kolkata, delivered a lecture on “**Art in Science**”. Students were given to make DNA Paper Models.

Dr. Anindita Chaudhuri, Department of Psychology, University of Calcutta, spoke on 'Social Media and Reality: An Interface as part of an Awareness Programme on 23.11.2017



A Breast Cancer Awareness Programme conducted by Narayana Health Care, a part of Narayana Hrudayalaya on 30.11.2017



## Activities of Science Promotion Committee in 2018-2019

1. A Programme to encourage science students, was held on ‘**Conducting Talent Search Test (STST)**’; and; ‘**Bigyani Kanya Medha Britti (BKMB)**’ organised by Jagadis Bose National Science Talent Search (JBNSTS), Kolkata, for first year students on 20.07.2018.
2. **Awareness Programme on ‘Stress Management’** conducted by Peerless Hospital Team was organised by Science Promotion Committee on 11.12.2018.
3. A **Seminar** was arranged by the Science Promotion Committee to celebrate **National Science Day**. Prof. Syamal Roy, Senior Professor, National Institute of Pharmaceutical Education and Research, Kolkata, delivered a lecture on ‘**History of Kala azar**’, on 28th February, 2019.

‘Conducting Talent Search Test (STST) and Bigyani Kanya Medha Britti (BKMB)’ organised by Jagadis Bose National Science Talent Search (JBNSTS), Kolkata, for first year students on 20.07.2018.





National Science Day Celebration on 28.02.2019  
Dr. Syamal Roy, Senior Professor, NIPER-Kolkata spoke on 'History of Kala azar'

### **Activities of Science Promotion Committee in 2019-2020**

1. **Cervical Cancer Awareness Programme** in collaboration with Bengal Obstetric and Gynaecological Society (BOGS) was organised in 23.09.2019.
2. Dr. Moumita Chakraborty conducted an interactive session with all the students regarding **Polycystic Ovary Syndrome** problems on 21.11.2019.
3. **World Wetland Day** was celebrated on 05.02.2020, with a very enjoyable and enlightening lecture by Dr. Somenath Bhattacharya, Senior Consultant, Society of Integrated Coastal Management (SICOM), Ministry of Environment, Forests & Climate Change, Govt. of India, and a poster competition by the Science students on '**Wetlands and Ecosystem**'.
4. **National Science Day** was celebrated on 28.02.2020, on the theme '**Women in Science**'. Prof. Dhruvajyoti Chattopadhyay, Vice Chancellor, Sister Nivedita University, delivered a wonderful lecture on '**Untold Stories**' along with an exhibition of posters drawn by the students of Science departments of the College.

Cervical Cancer Awareness Programme in collaboration with Bengal Obstetric and Gynaecological Society (BOGS) on 23.09.2019





Dr. Moumita Chakraborty conducted an interactive session with all the students regarding Polycystic Ovary Syndrome problems on 21.11.2019



World Wetland Day Celebration on 05.02.2020, with a lecture by Dr. Somenath Bhattacharya, Senior Consultant, Society of Integrated Coastal Management (SICOM), Ministry of Environment, Forests & Climate Change, Govt. of India, and a poster competition by the Science students on 'Wetlands and Ecosystem'





National Science Day Celebration on 28.02.2020



Prof. Dhrubajyoti Chattopadhyay, Vice Chancellor, Sister Nivedita University spoke on the theme 'Women in Science'

An Exhibition of Posters made by our Students to celebrate Women in Science on National Science Day, 2020



## Activities of Science Promotion Committee in 2020-2021

1. **State level Webinar on Cancer awareness** held on 03.11.2020. Topic was 'Women Cancer'. Speaker was Dr. Arundhati De, MD, Consultant Radiation Oncologist, Apollo Gleneagles Hospital.
2. **State level Webinar on 'Spectrum of Lifestyle Diseases: PCOS, Metabolic Syndrome and Diabetes'** was delivered by Dr. Semanti Chakraborty, MD, DM Endocrinology (AIIMS), Consultant Endocrinologist at Woodlands Hospital, on 18.12.2020.
3. **National Science Day** was celebrated on 28.02.2021. Speaker was Dr. Syamal Roy, ICMR Emeritus Scientist, IICB, Kolkata, Former VC of Coochbehar Panchanan Barma University, WB. Topic was '**No one is safe unless everyone is safe: Need for a vaccine against COVID-19**'.

State level Webinar on Cancer Awareness on 'Women Cancer' held on 03.11.2020.  
Speaker: Dr. Arundhati De, MD, Consultant Radiation Oncologist, Apollo Gleneagles Hospital.

**STATE LEVEL WEBINAR ON CANCER AWARENESS**  
Organised by,  
Science Promotion Committee  
Lady Brabourne College  
Theme: **WOMEN CANCER**  
Speakers:  
**Dr. Mukti Mukherjee, MD**  
Consultant Radiation Oncologist  
&  
**Dr. Arundhati De, MD**  
Consultant Radiation Oncologist,  
Apollo Gleneagles Hospital, Kolkata.  
Click Here to Register  
Chief Patron:  
Prof. Sufi Sarkar,  
Principal,  
Lady Brabourne College  
Conveners:  
Dr. Aparna Sen, Dept of Microbiology  
Dr. Pooja Ganguly, Dept of Chemistry  
Dr. Keya Bose, Dept of Physics  
DATE: 03RD NOVEMBER, 2020  
TIME: 3PM - 5PM  
PLATFORM: Goodnotes

State level Webinar on Cancer Awareness (2020-11-03 at 01:53 GMT-8)  
**Breast Cancer**  
• One of the most common cancer among Indian women.  
• One in every nine woman can be affected  
• Carcinoma breast can be familial  
• Have four stages like other cancers, can be treated up to third stage, last option is Palliative care  
• Can be prevented or detected early by some simple investigations and proper self examination.

Webinar on Cancer Awareness (2020-11-03 at 01:53 GMT-8)  
**What is CANCER ?**  
A tumor is benign  
Cancer is a group of diseases involving abnormal cell growth with the potential to invade or spread to other parts of the body.

State level Webinar on 'Spectrum of Lifestyle Diseases: PCOS, Metabolic Syndrome and Diabetes' on 18.12.2020. Speaker: Dr. Semanti Chakraborty, MD, DM Endocrinology (AIIMS), Consultant Endocrinologist at Woodlands Hospital

**SPECTRUM OF LIFESTYLE DISEASES : PCOS, METABOLIC SYNDROME AND DIABETES**

Organised by,  
Science Promotion Committee  
Lady Brabourne College

DATE: 18TH DECEMBER, 2020  
TIME: 7 PM

Speaker:  
**Dr. Semanti Chakraborty**  
MD, DM ENDOCRINOLOGY (AIIMS)  
SPECIALITY CERTIFICATE ENDOCRINOLOGY AND DIABETES (DK)  
CONSULTANT ENDOCRINOLOGIST,  
WOODLANDS HOSPITAL.

Chief Patron:  
Prof. Shuli Sarkar  
Principal,  
Lady Brabourne College

Convener:  
Dr. Aparna Sen, Dept. of Microbiology  
Dr. Pooja Ganguly, Dept. of Chemistry  
Dr. Rupa Bose, Dept. of Physics

**IDF criteria**

Risk Factor	Defining Level
Abdominal obesity* (Waist circumference <sup>1</sup> )	
Men	≥90 cm
Women	≥80 cm
TG	≥150 mg/dL or its equivalent
HDL-C	
Men	<40 mg/dL
Women	<50 mg/dL or its equivalent
Blood pressure	≥130/≥85 mm Hg or on AT/HT Rx
Fasting glucose	≥100 mg/dL or its equivalent

\*Diagnosis is established when ≥3 of these risk factors are present  
<sup>1</sup>Abdominal obesity is more highly correlated with metabolic risk factors than is BMI. <sup>2</sup>Some men develop metabolic risk factors when circumference is only marginally increased.

National Science Day Celebration Webinar on 28.02.2021.  
 Speaker: Dr. Syamal Roy, ICMR Emeritus Scientist, IICB, Kolkata, Former VC of Coochbehar Panchanan Barma University, WB.  
 Topic: 'No one is safe unless everyone is safe: Need for a vaccine against COVID-19'

National Science Day ...

**REC**

Dr. Syamal Roy

**Progression of COVID-19 infection and potential adjuvant interventions.**

Early stage | Severe stage

Glucocorticoid Therapy? | Cell Death & Differentiation [2020] 27:1451-1454

COVID-19 Progression: Non-severe (Immune Protection) | Severe (Inflammation Damaging)

COVID-19 causes non-typical symptoms and elicits protective immune responses. The successful elimination of the infection relies on the health status and the HLA-K2D3 type.

**REC**

Dr. Syamal Roy

Enough real-world data will determine the one might be best / best overall protection in high-risk groups/best for general population.