



WWW.HENRYBAKERCOLLEGE.EDU.IN
PRINCIPAL@HENRYBAKERCOLLEGE.EDU.IN

HENRY BAKER COLLEGE MELUKAVU

Department of Physics

ACADEMIC
YEAR

2018-19

FROM DARKNESS INTO MARVELLOUS LIGHT

Henry Baker College, Melukavu Is a Christian, Minority, Co-Educational, Government-aided Arts and Science College Established In 1981, affiliated to Mahatma Gandhi University, Kottayam, Kerala.

DEPARTMENT OF PHYSICS
HENRY BAKER COLLEGE, MELUKAVU

Activity Report 2018-2019

1. World Ozone Day Celebration 2018

Department of Physics, in association with Nature club of Henry Baker College, celebrated World Ozone Day on 19 September 2018 with the support of Kerala State Council for Science, Technology and Environment (KSCSTE) based on the focal theme *“keep cool and carry on! The Montreal Protocol”*. The objective of this venture was to raise awareness and give prominence towards preservation of ozone layer to young minds. More than 75 students participated in the event.

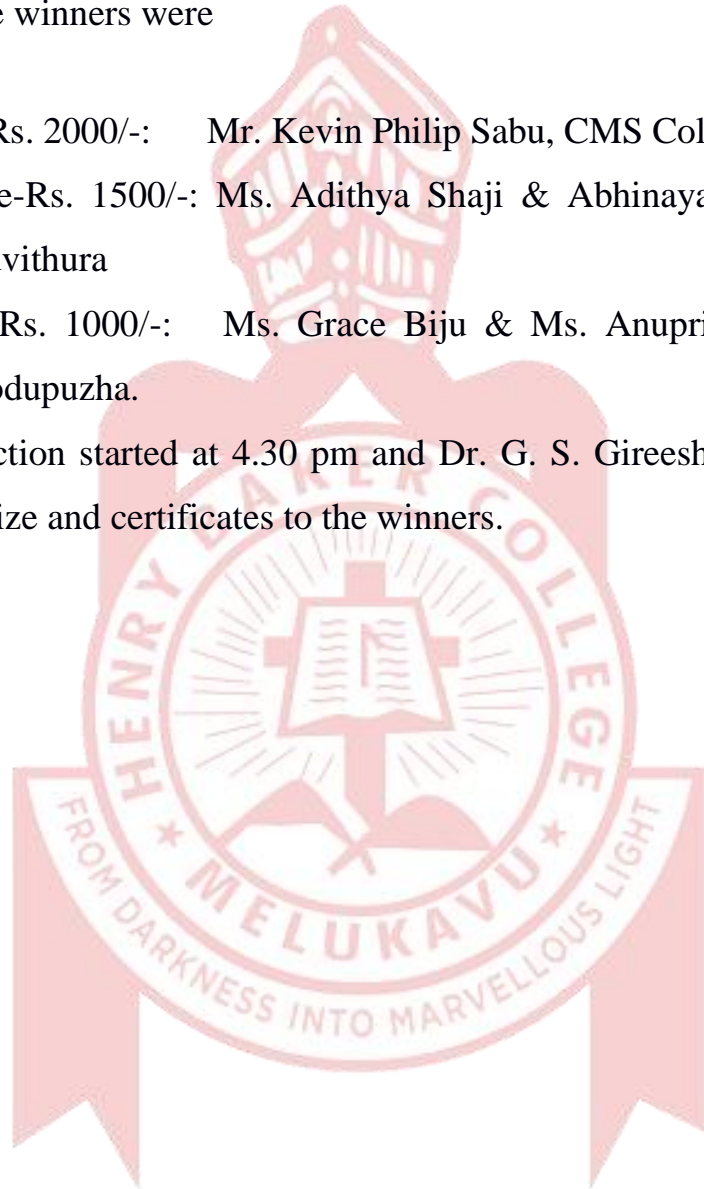
The one-day programme was conducted in the seminar Hall of Henry Baker College and comprised of two sessions. Session-I constituted the inaugural function followed by an invited lecture. Session-II comprised of Film Show, Intercollegiate Power-Point Presentation Competition and valedictory function. Dr. Jincy Devasia, HOD, Physics and co-ordinator of the programme welcomed the gathering. Dr. G. S Gireesh Kumar, Principal, addressed the audience. Dr. V. P. Syllas, Asst. Professor, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, resource person for the day, delivered a lecture on the topic ‘Ozone Depletion and Climate Change’. He discussed on various topics related to ozone depletion and factors responsible for climate change. He also pointed out the need of keeping the environment and atmosphere clean, so that not only humans, but also the plants and animals can live a healthy life in future.

Session-II started with the Film Show (video clips) which created awareness on the cause, impact of ozone layer depletion and clips related to Montreal Protocol.

An Intercollegiate Power-Point Presentation competition was held in the afternoon based on the focal theme “*keep cool and carry on! The Montreal Protocol*”. 13 teams from nearby colleges participated in the event. Mr. Akhil G and Retired Professors- Prof. Annie George and Prof. Liza George served as judges for the competition. The winners were

1. First Prize- Rs. 2000/-: Mr. Kevin Philip Sabu, CMS College, Kottayam
2. Second Prize-Rs. 1500/-: Ms. Adithya Shaji & Abhinaya Dev, St. George College, Aruvithura
3. Third Prize-Rs. 1000/-: Ms. Grace Biju & Ms. Anupriya C.A. Newman College, Thodupuzha.

Valedictory function started at 4.30 pm and Dr. G. S. Gireesh Kumar, Principal awarded cash prize and certificates to the winners.



About Us

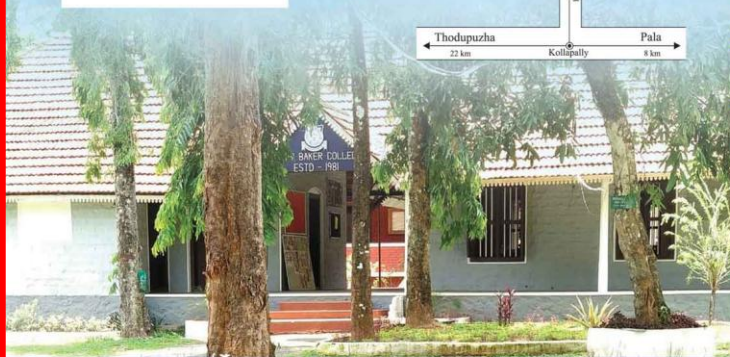
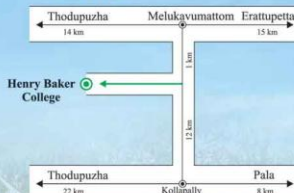
Henry Baker College, Melukavu, a Christian Minority Educational Institution, owned and managed by C.S.I East Kerala Diocese, was established in 1981. The College is affiliated to the Mahatma Gandhi University, Kottayam and is named after Rev Henry Baker Jr., the pioneering CMS missionary. Our objective is to uphold the great vision and mission of Henry Baker Jr., educating the marginalized people from the darkness of ignorance to the marvelous light of knowledge.

For registration, contact:

Dr. Jincy Devasia
Assistant Professor
Department of Physics
Mob: 9447776251
Email: physicsbhc@gmail.com

Mr. Amal B. Vazhappally
Association Secretary
Mob: 9605960063

How to reach

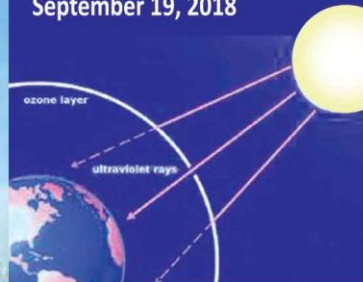


HENRY BAKER COLLEGE MELUKAVU

Melukavumattom P.O., Kottayam, Kerala, India, 686652
(Affiliated to Mahatma Gandhi University, Kottayam)

WORLD OZONE DAY CELEBRATIONS 2018

September 19, 2018



Inter-Collegiate PowerPoint Presentation Competition

"Protect Ozone Layer - Sustain Life on Earth"

Venue:
Seminar Hall, Henry Baker College

Organized by
Department of Physics & Nature Club

Supported by
Kerala State Council for Science,
Technology and Environment (KSCSTE),
Govt. of India

Invitation

Dear Sir/Madam,
The Department of Physics and Nature Club, Henry Baker College, Melukavu is jointly organizing a KSCSTE sponsored **One-day Seminar and PowerPoint Presentation Competition on 19 September 2018**, in connection with World Ozone Day Celebrations. Kindly extend your whole-hearted co-operation and participation in this event.

Thanking you,
Dr. Jincy Devasia HoD, Physics
Dr. G.S. Gireesh Kumar Principal

About the Seminar

International Day for the Preservation of the Ozone Layer - September 16, was designated by the United Nations General Assembly to commemorate the day on which the Montreal Protocol was signed. The ozone layer is a natural layer of gas that constitutes a small part of our lower atmosphere. It protects the Earth from the harmful UV radiation from the Sun, thus helping preserve life on Earth. To emphasize the protection of ozone layer by taking measures to limit the production and release of ozone-depleting substances, the international community framed "The Montreal Protocol". Even though the Protocol is working well, most recent studies revealed that the ozone in the lower stratosphere shows a persistent and continuous decline which requires immediate attention. To raise awareness and give prominence towards preservation of ozone layer, we are organizing the event based on this year's focal theme "*keep cool and carry on! The Montreal Protocol*".

Organizing Committee

Dr. G. S Gireesh Kumar (Principal)
Dr. Jincy Devasia (Co-ordinator)
Dr. Disha V. J. (Asso. Prof.)
Sri. Justin Jose (Asst. Prof.)
Mr. Krishnadas Chinnappan
Ms. Ardra S. Nair
Ms. Athira Venugopal
Mr. Amal B. Vazhappally (Association Secretary)

Instructions

- Registration is free
- Targeted participants are UG college students of any science stream - one team from each department.
- Participants are requested to produce authorization letter or College ID at the time of registration.
- 10 minutes for presentation and 5 minutes for discussion
- Interested participants are requested to register on or before 14 September, 2018 (please send an email to physicsbhc@gmail.com specifying participant name, College address and contact number)

1st Prize
₹ 2000

2nd Prize
₹ 1500

3rd Prize
₹ 1000

Programme Schedule

9:45 am : Registration
10:00 am : Prayer
10:05 am : Welcome Speech
10:15 am : Presidential Address
Dr. G.S. Gireesh Kumar
(Principal)
10:25 am : Inauguration
10:35 am : Vote of Thanks
Tea Break

Session - I

11:00 am : Invited Lecture
Dr. V.P. Sylas
Assistant Professor,
School of Environmental Sciences,
Mahatma Gandhi University, Kottayam
Topic : "**Ozone Depletion and Climate Change**"
12:00 am : Film Show
Lunch Break

Session - II

1:30 pm : Inter-collegiate PowerPoint Presentation Competition
Topic : "**keep cool and carry on! The Montreal Protocol**"
3:30 pm : Prize distribution



Presidential Address by Dr. G. S. Gireesh Kumar, Principal

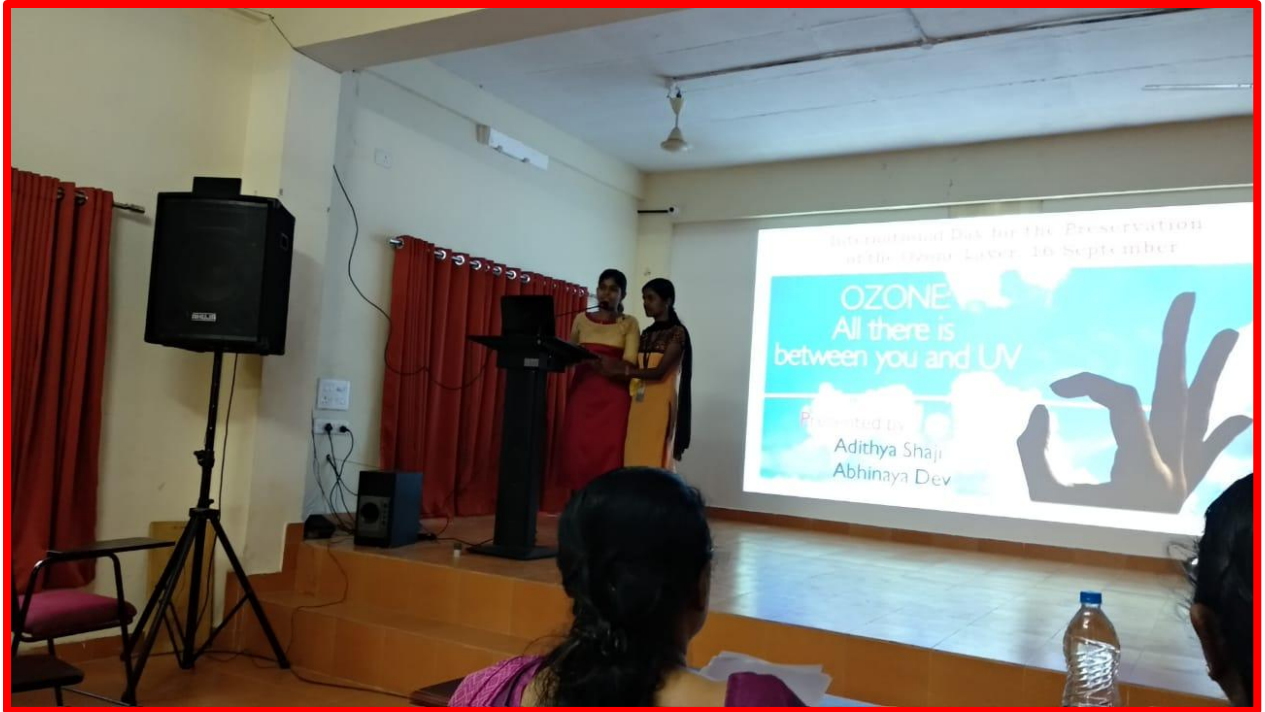


Inauguration by Dr. V. P. Sylas, Asst. Prof, SES, Mahatma Gandhi University, Kottayam



Invited lecture by Dr. V P Sylas.





Teams participating in Power-Point Presentation Competition





Principal, Faculties of Physics Department and Judges

2. Special Lecture by Retired Faculty of the College

Special classroom lecture was organised by Department of Physics for final year students on 15 October 2018 to motivate and enrich their knowledge in the subject. Prof. Anie George, retired faculty and former HOD of Physics Department, Henry Baker College served as the resource person. She delivered a lecture on the topic 'Numerical Methods in Physics' which was followed by an interaction section where she shared her experiences and gave advices on choosing better career options.



Prof. Anie George, Former HOD of Physics Department interacting with the students

3. Study tour//Excursion for final year students

Every year a tour programme is organised for III B. Sc students. This year we went to Wayanad and Ooty.

4 . National Science Day Celebrations 2019

National Science Day was celebrated by Department of Physics by organizing a Science Quiz Competition among our students. Nithyamol Mathews and Amina Salim of I B. Sc. Physics secured Ist prize.

Faculty achievements:-

Dr.Jincy Devasia

1. Publication- ‘Suzaku observations of the eclipsing high mass X-ray Binary Pulsar XTE J1855-026’, Journal of Astrophysics and Astronomy, 2018, 39, 7.
2. Invited lecture on ‘Introduction to X-ray pulsars’ in Introductory Workshop on Astronomy and Astrophysics for Women, organised by Dept. of Physics, Alphonsa college, Pala and Inter-University centre for Astronomy and Astrophysics (IUCAA), Pune, on September 13-15, 2018.

Dr.Disha V. J.

1. Participated and presented a poster in “International conference on Water: From pollution to purification”. December 7-10, Kottayam, Kerala organised by Advanced centre of Environmental studies and Sustainable development, School of Environmental sciences, M. G. University, Kottayam and Inter-university instrumentation centre.

Student achievements:-

1. Nithyamol Mathews, I B. Sc. secured 2nd prize in the inter-collegiate elocution competition organised by KSWDC Women Cell, St. Joseph's college, Moolamattom on 20th February, 2019.
2. Sherin Fathima Usman of II B. Sc secured 2nd prize in the inter-collegiate mehandi designing competition organised by KSWDC Women Cell, St. Joseph's college, Moolamattom on 20th February, 2019.

