

BON SECOURS ARTS & SCIENCE COLLEGE FOR WOMEN

Affiliated to Periyar University, Salem.

Gopalapuram, Sowthapuram (Po), Namakkal (Dt),

Tamil Nadu – 638 008.

Department of Science



NATIONAL PAPER BAG DAY

CHIEF GUEST : DR. SR. MARGARET DAISY


DATE : 12/07/2023

**BON SECOURS ARTS AND SCIENCE
COLLEGE FOR WOMEN -VEPPADAI**

**SCIENCE DEPARTMENT
ASSOCIATION**

**CORDIALLY INVITES YOU TO CELEBRATE
PAPER BAG DAY**

**CHIEF GUEST
DR. SR. MARGARET DAISY
PRINCIPAL**



DATE : 12.07/2023 VENUE : SCIENCE DEPARTMENT

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Science department association has organised the NATIONAL PAPER BAG DAY on 12th of July. The function was conducted at assembly hall of our college. The program started with a prayer song. Our student has delivered the cordial welcome address. The event was inaugurated by our respected principal Dr. Sr. Margaret daisy and her speech about advantages of paper bags and disadvantages of plastic bags. After that the demo session of making paper bag was started by our students. All students sharply grasped the demo and they started to make the paper bags. It is an opportunity to create awareness about use of paper bag. Our student has delivered the vote of thanks. The function was a grand success and ended fruitful for the students.



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NATURE CONSERVATION DAY

CHIEF GUEST: Mrs. R. PONMANI

ASSISTANT PROFESSOR

DEPARTMENT OF BIO-TECHNOLOGY

PADMAVANI ARTS AND SCIENCE

COLLEGE FOR WOMEN, SALEM

DATE: 28/07/2023

BON SECOURS ARTS AND SCIENCE COLLEGE FOR WOMEN -VEPPADAI

VENUE : SEMINAR HALL



DATE : 28/07/2023

TIME : 10.00 AM

SCIENCE DEPARTMENT ASSOCIATION

CORDIALLY INVITES YOU TO CELEBRATE

NATURE CONSERVATION DAY



CHIEF GUEST
MRS. S. PONMANI
ASSISTANT PROFESSOR,
DEPARTMENT OF BIOTECHNOLOGY,
PADMAVANI ARTS AND SCIENCE
COLLEGE FOR WOMEN, SALEM



PATRON
SR. POORANA ALPHONSA
SECRETARY



CHAIR
REV.DR.SR.MARGARET DAISY
PRINCIPAL

CONVENERS

Ms.A. vedha M.sc.,
Head of the department
(chemistry)

Mrs. Dr. A. Sudha
Head of the department
(Bio- technology & Microbiology)

Ms. S. Aruna M.sc,M.phil.,
Head of the department
(Physics)

COORDINATORS

Ms. A. Asumptha M.sc.,
Assistant professor

Ms. S. Sharumathi M.sc.,
Assistant professor

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SCIENCE DEPARTMENT ASSOCIATION has celebrated the NATURAL CONSERVATION DAY on 28.07.2023 by the chief guest Mrs. S. Ponmani Assistant Professor department of bio-technology. The function was conducted at seminar hall of our college. The function started with a prayer song. Our first year students have delivered the cordial welcome address. The prestigious part of our function was lighting the lamp as a new beginning was performed by our chief guest and academic vice principal followed by department faculties and students representative. Our Academic vice principal Dr. S.K. Kavitha was felicitated for the function. After her speech, the session was handed over to chief guest Mrs. S. Ponmani who gave a speech about how to conserve the environment why planting trees can prove to be beneficial for the environment. After her lecture students asked questions and ended with an interactive session. The chief guest honored our department association members. Ms. Margrate reeta delivered the vote of thanks. Finally the inviters are requested to rise for national anthem. Then the chief guest inaugurated the herbal garden. The program aimed to plant saplings in the college and all around as well. The function was a grand success and ended fruitfully for the students.



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BIO-FUEL DAY

GUEST SPEAKER: Sr. Dr. MARGARET DAISY

DATE: 10/08/2023

**BON SECOURS ARTS AND SCIENCE COLLEGE
FOR WOMEN -VEPPADAI**

**SCIENCE DEPARTMENT ASSOCIATION
celebrates**

WORLD BIO-FUEL DAY



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On the illustrious occasion of August 10 2023, Bio-fuel day was marked with reverence and enlightenment. The day began with a solemn morning prayer, invoking a sense of unity and purpose among the attendees. Ms. Gladis offering a comprehensive introduction to the world of biofuels. She highlighted the ecological and economic advantages of biofuels, underlining their pivotal role in reducing greenhouse gas emissions and mitigating climate change.

Following Ms. A. Subiksha enlightening exposition, she took the stage, a young and articulate individual, stepped forward to deliver a succinct yet profound explanation of the significance of biofuel day.



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PLACE : CHEMBALA TEA FACTORY GUDALUR, OOTY.

DATE: 26.08.2023

The main objective of Industrial Visit to bridge the gap between classroom teaching and practical working environment helps to enhance interpersonal skills and Communication techniques

Our Science association organized the industrial visit to visit the tea and Chocolate factory in Ooty. There are nearly 41 Students (Biotechnology, Microbiology and chemistry), 6 Staff members with our college principal. At first we visited the chembala tea factory, Gudalur, Ooty. Where the team leader explained the each and every process to manufacture the tea powder. Every students completely grasped the every technique from green leaves tea to tea powder making students also tested the every sample from every process and they noted the physical nature of powder.

All students clearly noted the every steps what the tea factory are proceeded. After that, they asked they few questions to the students what they learned from the factory. And students also discussed their doubt and clarified with them.

Then we visited the benchmark chocolate factory kotagiri, ooty. There the students observed the making video of chocolate.

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NATIONAL SEMINAR ON BASIC SCIENCES FOR SUSTAINABLE CHALLENGES

ORGANISED BY SCIENCE DEPARTMENT ASSOCIATION

DATE : 13/10/202

**BON SECOURS ARTS AND SCIENCE COLLEGE FOR
WOMEN SOWTHAPURAM (PO), NEAR VEPPADAI,
NAMAKKAL - 638008**



SCIENCE DEPARTMENT
Has Organised
**ONE DAY NATIONAL LEVEL SEMINAR ON
BASIC SCIENCES FOR SUSTAINABLE
CHALLENGES AND PROSPECTS**



**VENUE : SEMINAR HALL
DATE : OCTOBER 13, 2023
TIME : 10.00 AM**

EMINENT SPEAKERS



DR. P. PREMASUDHA
ASSISTANT PROFESSOR,
DEPARTMENT OF NANOSCIENCE
AND TECHNOLOGY,
BHARATHIAR UNIVERSITY,
COIMBATORE



Dr. N. Surumbarkuzhali
Associate Professor & Head
Department of Physics
Government Arts College
(Autonomous), Salem



DR. K. KANDASAMY
HEAD & ASSISTANT PROFESSORS
DEPARTMENT OF CHEMISTRY
K.S.R. COLLEGE OF ARTS
AND SCIENCE FOR WOMEN,
TIRUCHENGODE.

ORGANISING COMMITTEE:

PATRON
REV. SR. POORANA ALPHONSA
SECRETARY

CHAIR
REV. DR. SR. MARGARET DAISY
PRINCIPAL

CONVENERS

MS. A. VEDHA M. SC.,
HEAD OF THE DEPARTMENT
(CHEMISTRY)

DR. A. SUDHA
HEAD OF THE DEPARTMENT
(BIO- TECHNOLOGY &
MICROBIOLOGY)

MS. S. ARUNA M. SC., M. PHIL.,
HEAD OF THE DEPARTMENT
(PHYSICS)

ORGANISING SECRETARIES

MS. A. ASUMPTHA M. SC.,
ASSISTANT PROFESSOR

MS. S. SARUMATHI M. SC.,
ASSISTANT PROFESSOR

STUDENTS COORDINATORS

MS. A. SUBIKSHA
DEPARTMENT OF CHEMISTRY

MS. S. AARTHI
DEPARTMENT OF BIOTECHNOLOGY

**REFRESHMENT, SEMINAR KIT,
LUNCH AND
CERTIFICATE WILL BE PROVIDED
TO ALL THE PARTICIPANTS**

REGISTRATION LINK
<https://surveyheart.com/form/65112dcfd348f0670e3b0cf8>

FOR FURTHER DETAILS CONTACT :

bonschem29@gmail.com
Contact no : 8754337999, 7200235789

REGISTRATION FEES
FACULTY - 150/-
STUDENTS & SCHOLAR - 100/-
PAYMENT MODE - OFFLINE

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Our science department association has conducted one-day national level seminar entitled has basic science for sustainable challenges and prospects. The pinnacle of the event was felicitated by our principal sister Dr. Margaret Daisy. Totally 110 students are participated from the college and various colleges.

The first foremost eminent speaker **Dr.P. Premasudha, Department of nanoscience and technology.** She acted as resource person and gave detailed orientation about “**Microbial natural products in drug discovery**”. She gave all microbial techniques more knowledge about the natural products in any drug discovery in precise way.

The second eminent speaker **Dr.K. Kandasamy, Department of chemistry.** He acted as resources person and gave more knowledge about the “**Role of chemistry in inventing as sustainable future**”. speech about twelve principle of sustainable future for day today life.

The third eminent speaker **Dr.N. Surumbarkuzhali, Department of physics.** She acted as resources and her speech about the “**Material science and engineering aspects of Nano structure and Nano structure and nanomaterials**”. She gave a clear information about nanomaterial hoe there are synthesized in how ancient time and modern time.

Finally, students discussed about the various topics with chief guest and feedback session was conducted and then certificate were issued for all the students.

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08.01.24- 12.01.24 Add on course

Chromatography - An Analytical technique

The Science Department Association organized an add-on course titled “Analytical Technique – Chromatography” from **08 January 2024 to 12 January 2024**. The objective of this course was to provide students with in-depth knowledge about chromatographic techniques and their applications in chemical and biological analysis. The resource person for the program was **Dr. R. Sathya**, from **Selvam College**. The course aimed to familiarize students with the fundamental principles, instrumentation, and practical applications of chromatography in various scientific fields.

During the sessions, Dr. R. Sathya explained the basic concepts of chromatography, including the principles of separation, different types of chromatography, and their significance in analytical science. The course covered various chromatographic techniques such as **Paper Chromatography, Thin Layer Chromatography (TLC), Column Chromatography, and High Performance Liquid Chromatography (HPLC)**. The resource person also discussed the importance of chromatography in industries such as pharmaceuticals, environmental analysis, and food testing.

Students actively participated in the sessions and gained valuable insights into the practical applications of chromatographic methods. The interactive sessions allowed students to clarify their doubts and understand the techniques more effectively. The add-on course was highly informative and beneficial for the students, as it enhanced their knowledge and understanding of modern analytical techniques. The Science Department Association expressed its sincere gratitude to **Dr. R. Sathya** for delivering an insightful and engaging course. The program concluded successfully with positive feedback from the participants.

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Industrial visit

17.02.24

Sakthi Sugars, Erode

The Department of Science organized an industrial visit to **Sakthi Sugars, Erode** on **17 February 2024** for the students. The purpose of the visit was to provide practical exposure to industrial processes and to help students understand the real-time applications of scientific concepts in the sugar manufacturing industry.

During the visit, the students were introduced to the various stages involved in sugar production. The officials of Sakthi Sugars explained the complete process starting from the **crushing of sugarcane, extraction of juice, clarification, evaporation, crystallization, and centrifugation**. Students were able to observe how raw sugarcane is processed into refined sugar using advanced machinery and systematic procedures.

The students also learned about **quality control measures, by-products of sugar manufacturing** such as molasses and bagasse, and their industrial uses. The visit helped students understand the importance of scientific techniques, machinery, and safety measures followed in large-scale industries.

The industrial experts interacted with the students and clarified their queries regarding the production process and industrial management. This interaction helped students gain valuable insights into industrial operations and career opportunities in the sugar industry. The industrial visit was highly informative and provided students with practical knowledge that complemented their academic learning. The Department of Science expressed its sincere thanks to the management and staff of **Sakthi Sugars, Erode** for their support and guidance during the visit.

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Industrial visit - Sakthi Sugars



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INDUSTRIAL VISIT

DATE : 02/03/2024

The Science Department Association, in collaboration with the Department of Computer Science and the Department of Computer Applications, organized an industrial visit to the **Visvesvaraya Industrial and Technological Museum, Bangalore**. The visit was arranged with the objective of enhancing students' knowledge in the fields of science, technology, and innovation through practical exposure.

During the visit, students explored various galleries and exhibits that demonstrated the principles of science, engineering, and modern technology. The museum displays several interactive models related to **mechanics, electronics, space technology, biotechnology, and information technology**, which helped students understand complex scientific concepts in an engaging and practical way.

The students visited different sections of the museum such as the **Engine Hall, Space Technology Gallery, Electronics Gallery, and Biotechnology Gallery**. These exhibits showcased the development of scientific instruments, industrial machines, and technological advancements that have contributed to modern society.

The visit also provided students with an opportunity to observe working models and participate in interactive demonstrations, which made the learning experience more effective and interesting. The museum authorities explained the significance of various technological inventions and their applications in industries and daily life.

The industrial visit was highly informative and beneficial for the students as it broadened their understanding of scientific and technological developments. The students gained valuable insights into innovation, research, and the practical applications of science and technology.

The program concluded successfully with students expressing their appreciation for the opportunity to visit such an important center of scientific learning. The departments expressed their sincere gratitude to the authorities of the **Visvesvaraya Industrial and Technological Museum, Bangalore** for facilitating the visit and providing an enriching learning experience.

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Industrial visit - Bangalore



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04.03.24

National safety day.

Oxy park opening

The Department of Science celebrated **National Safety Day** on **04 March 2024** in the college campus. The program was organized with the objective of creating awareness among students about the importance of safety in daily life, workplaces, and the environment. On the same occasion, the **Oxy Park** in the campus was also inaugurated.

The program was graced by **Dr. Yasodha**, Department of Tamil, **Bon Secours Arts and Science College for Women**, as the chief guest. She delivered a special address highlighting the importance of safety awareness and responsible behavior in society. She emphasized that safety practices should be followed not only in industries but also in educational institutions and everyday life. The **Oxy Park** was officially inaugurated by **Dr.Sr. Margaret Daisy, Principal, Bon Secours Arts and Science College for Women**. In her address, she spoke about the importance of green spaces in educational institutions and how Oxy Parks help improve environmental quality by increasing oxygen levels and promoting a healthy atmosphere for students and staff.

During the program, students were encouraged to understand the value of environmental protection and personal safety. The event helped create awareness about maintaining a safe and eco-friendly campus. The celebration of National Safety Day and the opening of the Oxy Park were successful and meaningful events. The Department of Science expressed its sincere gratitude to **Dr. Yasodha** and **Dr. Margaret Daisy** for their valuable presence and inspiring messages.

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National Safety Day



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Oxy-Park Opening



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04.03.2024 AN

Do something day

Hands on training workshop

Soap Production and Vermi Compost preparation

BON SECOURS ARTS AND SCIENCE COLLEGE FOR WOMEN



(AFFILIATED TO PERIYAR UNIVERSITY)



SOWTHAPURAM(PO), VEPPADAI, NAMAKKAL(DT), TAMIL NADU - 638 008

SCIENCE DEPARTMENT ASSOCIATION

HANDS ON TRAINING WORKSHOP FOR "SOAP PRODUCTION AND VERMICOMPOST"

TOPIC : DO SOMETHING



CHIEF GUEST



**S. VAITHEKI M.SC, M.PHIL.,
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER SCIENCE
BON SECOURS ARTS AND SCIENCE COLLEGE
FOR WOMEN, VEPPADAI**



Cordially invite you all



VENUE : SEMINAR HALL

DATE. : 04/03/2024

TIME : 12.00 PM

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The Department of Science organized “**Do Something Day**” as a **Hands-on Training Workshop on Soap Production and Vermi Compost Preparation** for the students. The objective of the program was to provide practical knowledge and encourage students to learn useful skill-based activities related to entrepreneurship and environmental sustainability.

The program was graced by **Mrs. Vaitheki**, Department of Computer Science, **Bon Secours Arts and Science College for Women**, as the **Chief Guest**. She addressed the students and highlighted the importance of developing practical skills along with academic knowledge. She also encouraged students to explore small-scale production activities that could lead to self-employment opportunities.

During the workshop, students were given hands-on training in the **preparation of soap**, where they learned about the ingredients, mixing process, moulding, and safety precautions involved in soap making. The session also included training on **vermi compost preparation**, where students learned about organic waste management, the role of earthworms in composting, and the benefits of vermi compost for agriculture and gardening.

The workshop was highly interactive, and students actively participated in the activities. It helped them understand the importance of eco-friendly practices and the value of converting waste into useful products.

The program was informative and beneficial for the students as it enhanced their practical knowledge and awareness about sustainable practices. The Department of Science expressed its sincere gratitude to **Mrs. Vaitheki** for her valuable presence and guidance during the workshop.

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Hands On Training Workshop Soap Production



Hands On Training Workshop Vermicompost

