



SREE AYYAPPA COLLEGE FOR WOMEN
(Re-accredited with B Grade by NAAC)
Chunkankadai, Nagercoil

DEPARTMENT OF BOTANY

ANNUAL REPORT BOTANY DEPARTMENT 2023-24



SREE AYYAPPA COLLEGE FOR WOMEN
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Chunkankadai, Nagercoil

DEPARTMENT OF BOTANY

1. Report on inter-department Art from Waste Competition - 10-08-2023

Date: August 10, 2023

Venue: Botany Lab ,Sree Ayyappa College for Women

Organizers: Department of Botany

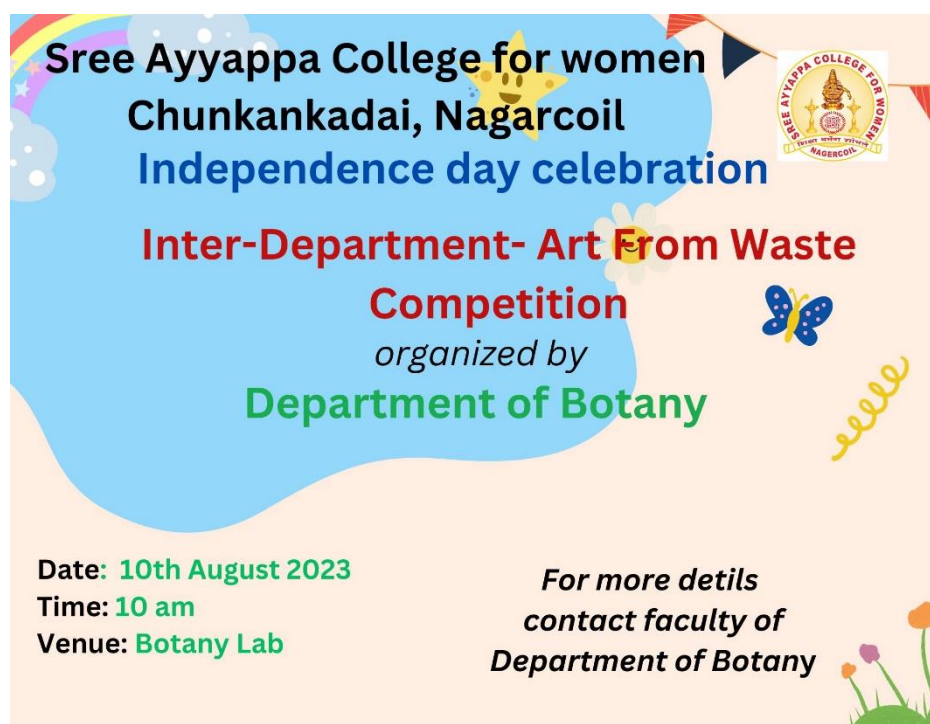
Objective

The Department of Botany at Sree Ayyappa College for Women organized an "Art from Waste" competition on August 10, 2023, in association with Independence Day celebrations. The competition aimed to foster creativity, environmental consciousness, and patriotic spirit among students by transforming waste materials into artistic expressions of India's heritage and values.

The primary objective of the event was to promote sustainable practices and commemorate India's Independence Day through creative reuse of waste materials. By encouraging participants to craft artworks from discarded items, the competition aimed to highlight the importance of waste reduction and environmental stewardship. Students from various disciplines enthusiastically participated in the competition, demonstrating their artistic flair and commitment to sustainability. They utilized a variety of waste materials, including plastic

bottles, newspapers, cardboard, and more, to craft imaginative and thought-provoking artworks that reflected the essence of Independence Day.

After meticulous evaluation, the panel of judges conferred the following awards:



PRIZE WINNERS

| | |
|---------------------------------|---------------------------------|
| | |
| First Prize: | Vasavi. R (III year BA History) |
| Second Prize (Joint): | |
| | Sajitha T (III year BA History) |
| | Sabitha S (III year BA History) |
| Third Prize: | Anisha C P (I year BSc Zoology) |

Out Come

The "Art from Waste" competition organized by the Department of Botany at Sree Ayyappa College for Women was a resounding success, symbolizing the fusion of art, sustainability, and patriotism. Through their innovative artworks, participants not only showcased their artistic talents but also conveyed powerful messages on environmental conservation and national pride.

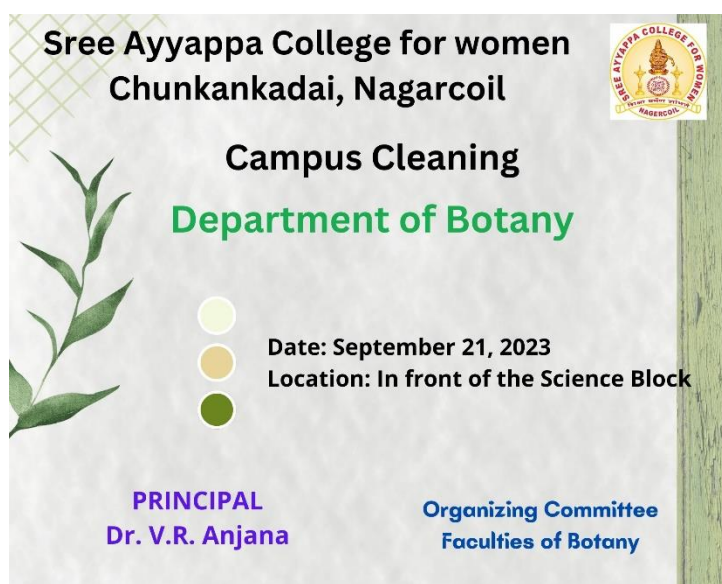


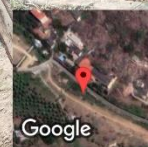
2. Campus cleaning- Science block garden Cleaning- 21-09-2023

Date: September 21, 2023

Location: In front of the Science Block Garden, Campus

Prior to the cleaning activity, a briefing session was held to discuss safety protocols and assign tasks to the participating students. Students were organized into teams and assigned specific areas to clean. Tasks included removing litter, sweeping pathways, and collecting fallen leaves and debris. Emphasis was placed on environmentally friendly practices, with organic waste separated for composting. Faculty members provided guidance and supervision throughout the cleaning process, ensuring adherence to safety protocols. The cleaning initiative significantly improved the cleanliness and tidiness of the Science Block Garden area, creating a more pleasant environment for students, faculty, and visitors. The campus cleaning activity led by students from the Botany Department in front of the Science Block Garden on September 21, 2023, was a success.





Nagercoil, Tamil Nadu, India
692M+9V6, Chunkankadai, Nagercoil, Tamil Nadu 629003, India
Lat 8.200257°
Long 77.385213°
21/09/23 02:34 PM GMT +05:30

GPS Map Camera



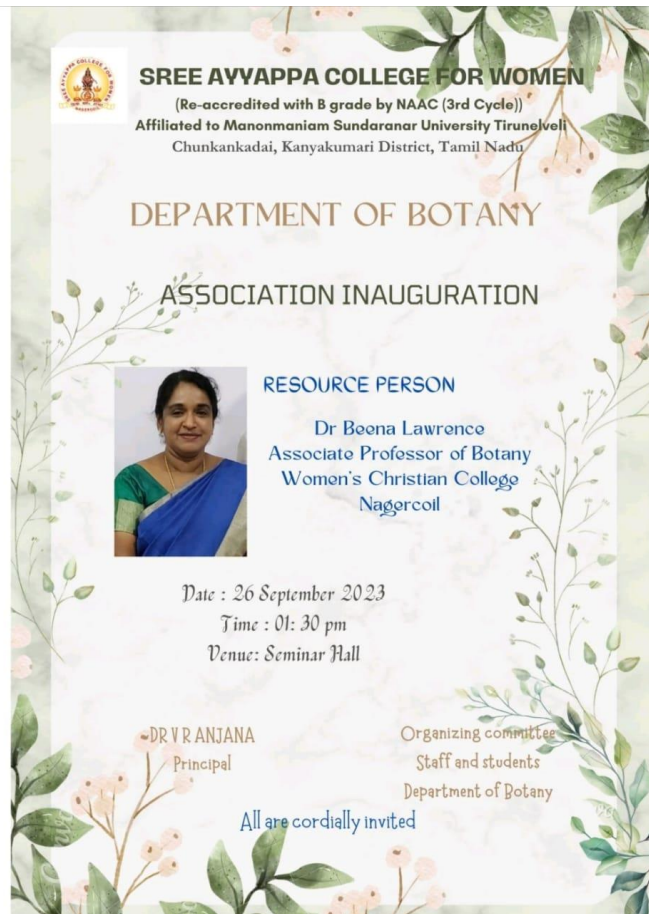
3. Sree Ayyappa College for Women - Botany Department Inauguration

Date: September 26, 2023

Venue: Seminar Hall

Sree Ayyappa College for Women celebrated a significant event on September 26, 2023, with the inauguration of its Botany Association. The ceremony, held at the Seminar Hall, was honored by the esteemed presence of Dr. Beena Lawrence, Associate Professor at Women's Christian College. An interactive session followed, allowing attendees to engage with Dr. Beena Lawrence. Participants had the opportunity to ask questions, share ideas, and express their enthusiasm for the upcoming activities planned by the association.

The inauguration of the Botany Association at Sree Ayyappa College for Women marks a significant milestone in promoting botanical education. With the guidance of Dr. Beena Lawrence and the enthusiasm of its members, the association is poised to make valuable contributions to the field of botany and nurture the next generation of botanical leaders.





4. Report on Algal Collection by Botany Department Students

Date: 29-09-2023

Location: Sree Ayyappa College for Women, Kanyakumari District

Participants:

10 First-year students

20 Third-year students

Faculty Members:

Dr. Suma M

Mrs. Divya Sree S

Mrs. Ambili

Lab Assistant: Mrs. Sandhya

Objective: The primary objective of the algal collection trip was to provide practical exposure to the students of the Botany Department at Sree

Ayyappa College for Women. The trip aimed to familiarize students with various types of algae found in different ecological settings, particularly in the Vattakottai of Kanya kumari.



5. Report on Tree Planting Activity by Botany Students

Date: 4-10-2023

Participants:

Botany Third BSc Students

Faculty Members of the Botany Department

Location: Infront of Science Department

Objective:

The primary objective of the tree planting activity was to promote environmental awareness and sustainability among the Botany Third BSc students at Sree Ayyappa college For Women. The event aimed to instill a sense of responsibility towards nature and encourage active participation in conservation efforts. By actively participating in afforestation efforts, students not only contribute to the greening of their surroundings but also develop a deeper appreciation for the natural world.



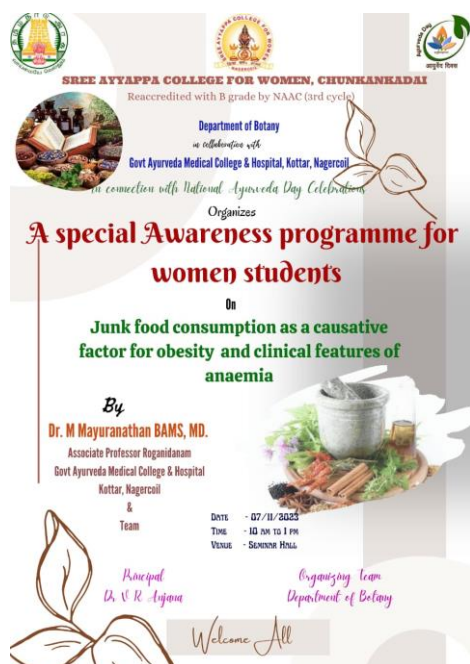


6. Ayurveda Day Celebration Report: Exploring the Link Between Junk Food Consumption, Obesity, and Clinical Features of Anemia

Date: November 7, 2023

Venue: Seminar Hall

The Department of Botany organized a noteworthy Ayurveda Day Celebration on November 7, 2023, at the Seminar Hall. The event aimed to shed light on the detrimental effects of junk food consumption, specifically its role as a causative factor of obesity, and featured an enlightening talk by Dr. M. Mayurananthan, Associate Professor in Roganidanam at Government Ayurveda Medical College. The first session focused on the adverse effects of junk food consumption, particularly its correlation with the escalating issue of obesity. Dr. Mayurananthan elucidated the various ways in which processed and unhealthy food choices contribute to weight gain and obesity, outlining the importance of adopting Ayurvedic principles for a balanced and nutritious diet.



Dr. Mayurananthan's insightful talk provided a bridge between traditional Ayurvedic principles and contemporary health challenges, fostering a greater understanding of holistic well-being among the participants. The event served as a reminder of the timeless relevance of Ayurveda in promoting a healthy and balanced lifestyle.





Outcome - The Ayurveda Day celebration organized by Sree Ayyappa College's Department of Botany successfully shed light on the adverse effects of junk food on obesity and provided valuable insights into the clinical features of anemia. The event served as a platform for collaborative learning, encouraging participants to adopt healthier lifestyles and embrace Ayurvedic principles for overall well-being.

7. Report on Science Exhibition by Botany Department

Date: 23-01-2023

Location: Botany Lab of Sree Ayyappa College for Women

Objective

The Science Exhibition organized by the Botany Department aimed to showcase the creativity, knowledge, and scientific acumen of students. The event provided a platform for students to exhibit various living and still model samples related to botanical concepts and ecosystems. Additionally, it served as an opportunity for government school students to learn and engage with science in an interactive manner



Out come-

The Science Exhibition organized by the Botany Department of Sree Ayyappa College for Women was a resounding success, exemplifying the dedication, creativity, and collaborative spirit of students and faculty members alike. Through innovative exhibits and interactive sessions, the exhibition not only promoted scientific literacy but also inspired a new generation of budding scientists. Such initiatives play a pivotal role in fostering a culture of scientific inquiry and exploration, contributing to the advancement of botanical knowledge and education.

8. Report on Voters Day Pledge Ceremony

Date: January 24, 2024

Venue: Conference Hall, Sree Ayyappa College for Women

Objective

On January 24, 2024, the Botany Department students and teachers of Sree Ayyappa College for Women gathered in the Conference Hall to observe Voters Day. The event aimed to promote awareness about the importance of voting and to encourage active participation in the democratic process.



Out Come

The Voters Day Pledge Ceremony organized by the Botany Department of Sree Ayyappa College for Women served as a platform to promote civic engagement and political awareness among students and faculty members. Through insightful

discussions and the pledge-taking ceremony, the event succeeded in fostering a sense of responsibility and empowerment among the participants, reaffirming their commitment to uphold the principles of democracy.

9. Report on Inauguration of Add-on Course on Mushroom Cultivation

Date: 24-01-2024

Location: Conference Hall, Sree Ayyappa College for Women, Kanyakumari

Inaugurated by: Shri Ramakrishnan, Director of Vivekananda Kendra

Course Duration: 30 hours

Target Participants: Botany Third Year Students

Course Coordinators:

Dr. Suma M, Head of the Department of Botany

Dr. Uma Devi S, Assistant Professor

Course Instructors:

Premalatha S, Incharge of Organic Farming

Nardeep

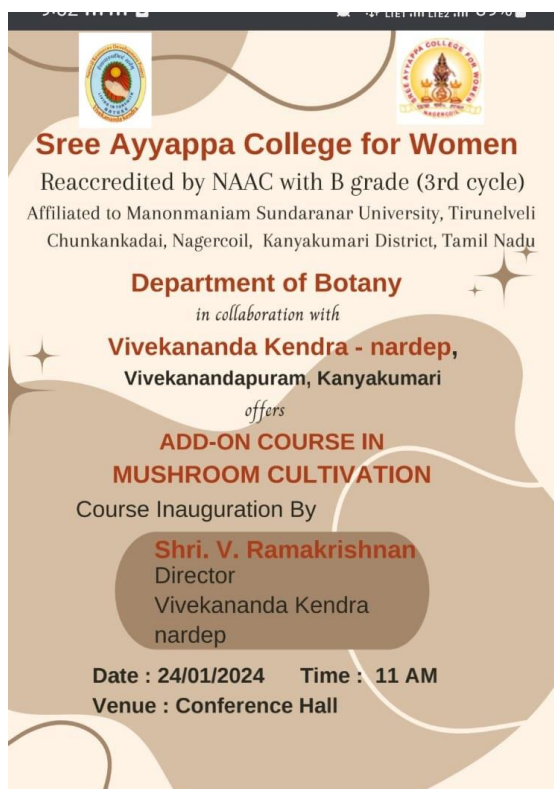
Mrs. Rakhi B S, Assistant Professor

Mrs. Divya Sree S, Assistant Professor

Dr. Devi Chinmayee M, Assistant Professor

Objective:

The inauguration of the Add-on Course on Mushroom Cultivation, organized by the Department of Botany at Sree Ayyappa College for Women in association with Vivekananda Kendra-Nardep Vivekanandapuram, aimed to equip Botany Third Year students with practical skills and knowledge in mushroom cultivation. The course intends to empower students with sustainable agricultural practices and foster entrepreneurship in the field of horticulture.



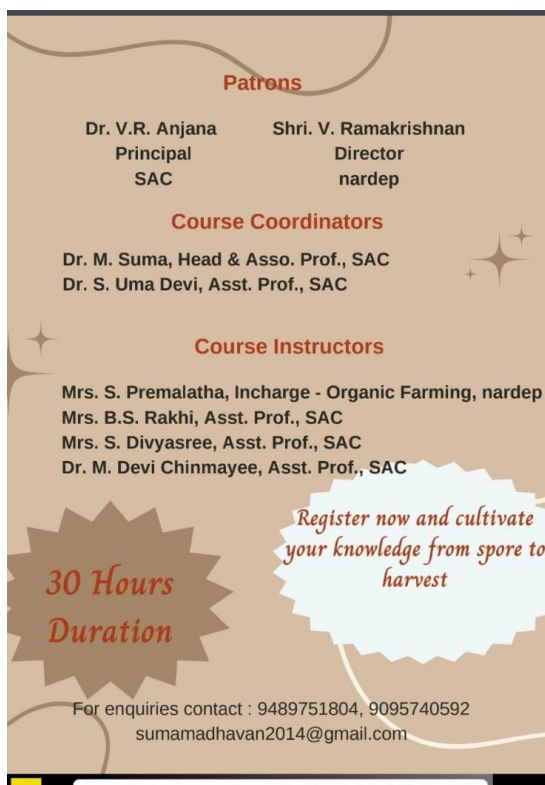
Sree Ayyappa College for Women
Reaccredited by NAAC with B grade (3rd cycle)
Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Chunkankadai, Nagercoil, Kanyakumari District, Tamil Nadu

Department of Botany
in collaboration with
Vivekananda Kendra - nardep,
Vivekanandapuram, Kanyakumari
offers

**ADD-ON COURSE IN
MUSHROOM CULTIVATION**

Course Inauguration By
Shri. V. Ramakrishnan
Director
Vivekananda Kendra
nardep

Date : 24/01/2024 Time : 11 AM
Venue : Conference Hall



Patrons

Dr. V.R. Anjana Principal SAC
Shri. V. Ramakrishnan Director nardep

Course Coordinators

Dr. M. Suma, Head & Asso. Prof., SAC
Dr. S. Uma Devi, Asst. Prof., SAC

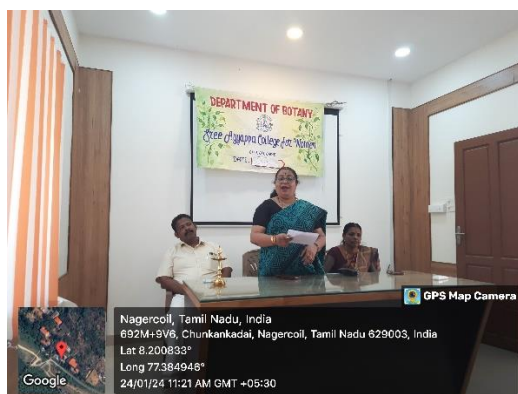
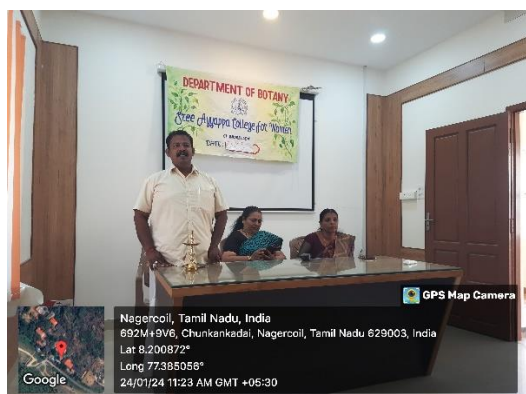
Course Instructors

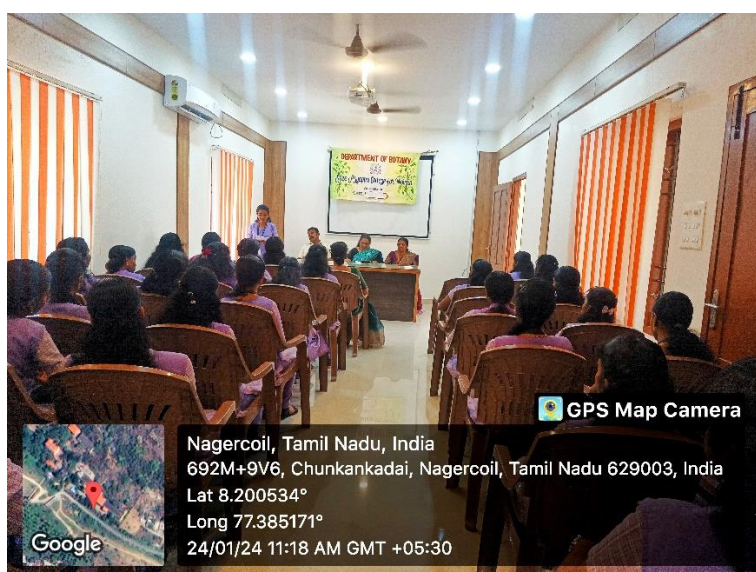
Mrs. S. Premalatha, Incharge - Organic Farming, nardep
Mrs. B.S. Rakhi, Asst. Prof., SAC
Mrs. S. Divyasree, Asst. Prof., SAC
Dr. M. Devi Chinmayee, Asst. Prof., SAC

30 Hours Duration

Register now and cultivate your knowledge from spore to harvest

For enquiries contact : 9489751804, 9095740592
sumamadhavan2014@gmail.com





OUT COME

The inauguration of the Add-on Course on Mushroom Cultivation, in association with Vivekananda Kendra-Nardep Vivekanandapuram, reflects the commitment of the Department of Botany at Sree Ayyappa College for Women towards holistic education and skill development. By providing practical training in mushroom cultivation, the course aims to empower students with valuable skills and promote sustainable agricultural practices, contributing to the welfare and prosperity of society.

10.Biogas Plant Installation Demonstration by Mr. Reghupathi from Vivekananda Kendra

Date- Date- 27-02-24

On 27-02-24 Mr. Reghupathi and team from Vivekanda Kedra visited our college and demonstrated Biogas plant working and installation. Students from third year botany get benefited by this demonstration. He also emphasize on what a biogas plant is, how it works, and what it is used for. The organic matter cowdung diluted in the ratio 1:1 is fed into the digesters which are completely submerged in water to provide it with an anaerobic environment. Biogas plant is installed in Hostel Compound.





11. Report on Talk on Women Food and Culture

Organized by: Department of Botany, Sree Ayyappa College for Women

In Association with: SevaBharathi Kanyakumari District

Speaker: Dr. Albin Raj, BAMS, BA(PA), BSc (Yoga), Arokiya Naturopathy Hospital

Venue: Seminar Hall, Sree Ayyappa College for Women

Date: March 11, 2024

Time: 2:30 PM

OBJECTIVE

On March 11, 2024, the Department of Botany at Sree Ayyappa College for Women, in collaboration with SevaBharathi Kanyakumari District, organized a talk on "Women, Food, and Culture." The event aimed to explore the intricate relationship between women, food habits, and cultural practices, shedding light on the importance of holistic health and wellness.

Event Details:

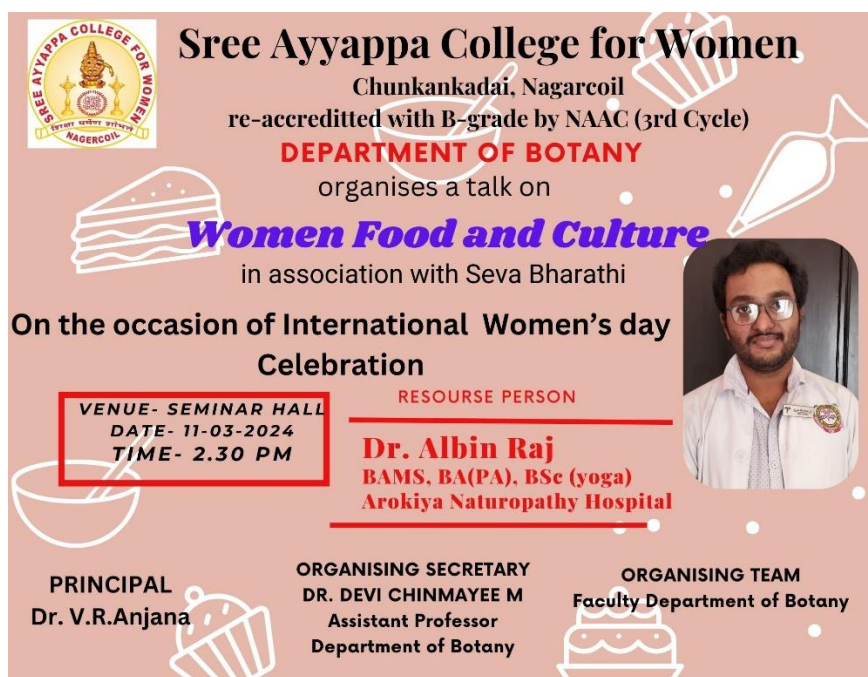
Dr. Albin Raj, a distinguished expert in naturopathy and holistic health, delivered an engaging presentation on the nexus between women's dietary habits, cultural traditions, and overall well-being. Drawing from his extensive knowledge in Ayurveda, yoga, and naturopathy, he emphasized the importance of adopting a balanced and mindful approach to nutrition for optimal health outcomes.

The talk covered a wide range of topics, including the significance of incorporating traditional foods into modern diets, the impact of cultural practices on women's dietary choices, and the role of nutrition in promoting women's empowerment and resilience. Dr. Albin Raj also provided practical tips and strategies for adopting healthier eating habits and lifestyle practices.

The session was interactive, with participants actively engaging in discussions and sharing personal insights and experiences related to food, culture, and women's health. Dr. Albin Raj responded to questions with clarity and expertise, enriching the audience's understanding of the topics discussed.

OUTCOME

The talk on "Women, Food, and Culture," organized by the Department of Botany, Sree Ayyappa College for Women, in association with SevaBharathi Kanyakumari District, proved to be an enlightening and empowering event, especially on the occasion of International Women's Day. Dr. Albin Raj's expertise and insights provided valuable guidance on fostering holistic health practices and promoting women's well-being, inspiring attendees to embrace healthier lifestyles and cultural traditions.



Sree Ayyappa College for Women
Chunkankadai, Nagarcoil
re-accredited with B-grade by NAAC (3rd Cycle)
DEPARTMENT OF BOTANY
organises a talk on
Women Food and Culture
in association with Seva Bharathi
On the occasion of International Women's day
Celebration

VENUE- SEMINAR HALL
DATE- 11-03-2024
TIME- 2.30 PM

RESOURCE PERSON
Dr. Albin Raj
BAMS, BA(PA), BSc (yoga)
Arokiya Naturopathy Hospital

PRINCIPAL
Dr. V.R.Anjana

ORGANISING SECRETARY
DR. DEVI CHINMAYEE M
Assistant Professor
Department of Botany

ORGANISING TEAM
Faculty Department of Botany



12. Field Report: Exposure Visit to NARDEP, Vivekananda Kendra, Kanyakumari

Date of Visit: 05/04/2024

Group: 3rd BSc Botany Students, Sree Ayyappa College for Women, Chunkanakadai, Nagercoil

Accompanied by:

- Dr. Suma M
- Dr. Uma Devi
- Mrs. Divyasree
- Dr. Devi Chinmayee M

Objective of the Visit: The primary objectives of this visit were to provide students with practical exposure to sustainable practices and technologies in agriculture and environmental management. The visit aimed to enhance students' understanding of water management, eco-friendly construction, biogas production, and other sustainable practices.

1. Arrival and Orientation:

- **Arrival Time:** 10:00 AM
- Upon arrival, the group was greeted by the NARDEP staff. An initial orientation was provided, introducing the objectives of NARDEP and its role within the Vivekananda Kendra framework. The orientation set the stage for the day's activities.

2. Key Highlights of the Visit:

- **Water Management:** Students were introduced to advanced techniques in water management used at NARDEP. The session covered rainwater harvesting, water conservation methods, and efficient irrigation practices. Students observed practical demonstrations of water-saving technologies and their impact on sustainable agriculture.
- **Biogas Plant:** The biogas plant at NARDEP was showcased, demonstrating the conversion of organic waste into biogas. Students learned about the process of anaerobic digestion, the types of waste used, and the benefits of biogas as a renewable energy source. The visit included a tour of the biogas facility and discussions on its role in reducing dependency on fossil fuels.
- **Eco-Friendly Construction:** The group explored eco-friendly construction practices promoted by NARDEP. This included the use of sustainable building materials and techniques that minimize environmental impact. Students observed construction models and materials such as bamboo and recycled waste products.
- **Holistic Health:** A session on holistic health emphasized the integration of physical, mental, and environmental well-being. The discussion covered the benefits of maintaining a balanced lifestyle and the role of sustainable practices in promoting overall health. Students learned about natural remedies and preventive health measures.
- **Sustainable Agriculture:** The sustainable agriculture section covered various practices aimed at reducing environmental impact while enhancing productivity. Topics included organic farming, crop rotation, and integrated pest management. Students observed field demonstrations and discussed the application of these practices in real-world scenarios.
- **Azolla Cultivation:** Students were introduced to Azolla cultivation, a practice involving a water fern that can be used as a green manure and animal feed. The session included a hands-on demonstration of Azolla cultivation techniques, its benefits in improving soil fertility, and its role in sustainable agriculture.

3. Observations and Learnings:

- **Innovative Practices:** The visit provided insights into innovative and sustainable practices that can be applied in various aspects of environmental management and agriculture. Students observed how these practices contribute to reducing ecological footprints and enhancing resource efficiency.
- **Practical Application:** The exposure to real-world applications of theoretical concepts in water management, renewable energy, and eco-friendly construction reinforced classroom learning. Students gained practical knowledge that can be applied in their academic and future professional endeavors.
- **Integration of Knowledge:** The integration of various sustainable practices highlighted the interconnectedness of environmental management, agriculture, and health. Students appreciated the holistic approach taken by NARDEP in addressing multiple aspects of sustainability.

4. Conclusion:

The visit to NARDEP was highly educational and provided valuable hands-on experience in various sustainable practices. The exposure to water management, biogas production, eco-friendly construction, and other innovative practices offered students a comprehensive understanding of sustainable development.







 **GPS Map Camera**



Kanniyakumari, Tamil Nadu, India
Vivekananda Kendra - NARDEP Vivekananda Kendra, Vivekanandapuram, Kanniyakumari, Tamil
Nadu 629702, India
Lat 8.091555°
Long 77.550571°
05/04/24 10:46 AM GMT +05:30





