

DEPARTMENT ACTIVITIES 2017-18

Extension class on water for life on 11/4/2017

Water is an essential part of daily life processes as a part of St. Mary's Square Outreach program a class was given to school students of St. Mary's school, chiyaram. The class described the importance of water, its conservation and also about aquatic organisms and their life



World Environment Day celebrations 2017

World Environment Day is an annual event for environmental action to make people aware of the positive aspects of a green environment. It is a day for everyone, everywhere. Since it began in 1972, global citizens have organized many thousands of events. "Connecting People to Nature", the theme for World Environment Day 2017, beseeches us to get out-of-doors and into nature, to appreciate its exquisiteness and its importance, and to take forward the call to protect the Earth that we share. This year's theme invites to think about how we are part of nature and how closely we depend on it. It tasks us to find fun and exciting ways to experience and appreciate this vital relationship. *As a part of the World Environment Day Celebration- 2017 various Intercollegiate competitions are scheduled to be conducted for UG & PG students*

- 1. Poster making Competition- 19th june 2017*
- 2. Photography Competition-19th june 2017*
- 3. Shoot and Show Documentary Contest- Three minutes Video taken by contestant portraying natural treasures of God's own country-19th June 2017*

Butterfly Gardening extension Class

On June 5th 2017 a class was delivered at St. Mary's CUPS School and Sacred Heart High School- June 5th 2017 on butterfly gardening as a part of environmental day celebrations. World Environment Day is an annual event for environmental action to make people aware of the positive aspects of a green environment.



BUTTERFLY GARDENING CLASS AT ST. XAVIER'S CUPS PUDUKAD- June 5th 2017



World Nature Conservation Day 2017- July 28

Students visited to spectate the environmental awareness Exhibition, "Science Express: Biodiversity Special" organized by the Indian Railway and Department of Science & Technology, Govt. of India at Thrissur railway station.

Establishment of Butterfly Garden in State Museum and Zoo -July 31 2017

A butterfly garden has been established in the State museum and zoo for the popularization of butterfly conservation. This program is a program for creating public awareness. Establishment of the garden in a place of public importance will disseminate the pulse of conservation to numerous students and the public for the good of conservation of numerous species.



Best butterfly garden award ceremony and valedictory function

The one year long project that intends Establishment of demonstration butterfly garden in the campus, with special emphasis to conservation of butterflies and assistance to selected educational institutions in Thrissur district to establish butterfly gardens was inaugurated by Dr. Binoy C Babu Veterinary surgeon, state museum and Zoo.

Butterflies and their life stages are dependent on specific host plants for food, and their survival ensures habitat conservation. The concept of butterfly gardening has gained immense importance in this developing era and popularization of environmental conservation could be easily met by inculcating values of habitat preservation in the new generation.

Conservation programs aimed for a particular purpose can have positive effects on a multitude of organisms for any programs concentrates on enhancement of the ecosystem thereby creating home for umpteen species. As far as butterflies are concerned for any advantage to butterflies, their specific requirements need to be attended to. Enriching a habitat has immense improvement for survival of a species.

Butterfly Ranching and Release is a method where unenclosed habitat are enriched with larval food-plants and adult nectar sources and they are made superattractive for the butterflies. This is done by planting of butterfly food plants within gardens to attract egg-laying female butterflies.

Here artificial manipulation of the natural density of caterpillar host-plants is done. Butterflies will lay eggs on species-specific plants and subsequently caterpillars will use them as food resource until they begin to pupate and fly

out as beautiful butterflies.

Localized butterfly species require specific host plants for larval growth and adult survival. These act as limiting factors in distribution and abundance of a species. Attempting an enrichment strategy by providing assistance for establishment of butterfly gardens in schools ensures conservation of the habitat and protection of rare endemic endangered species of plants and animals.





Best butterfly garden award

The best butterfly garden award for Habitat restoration and Butterfly Conservation was conducted as a part of Science Popularization Programme “A home for the Tender wings- Indigenous Butterfly Conservation and Habitat Preservation”. Three schools were selected that propagated the importance of conservation of butterflies. They were awarded trophy.

Selected Schools for Best Butterfly Garden

Govt. Rsrvhss, Velur

Sacred Heart Cghs, Thrissur

St. Thomas Hss, Mayannur



തൃശ്ശൂർ സെൻ്റർ മേരിസ് കോളേജിലെ ശലഭോദ്യാന പൂരസ്കാര വിതരണത്തിൽനിന്ന്

പൂരസ്കാരനിരവിൽ...

ഒരു വർഷത്തിലധികമായി സെൻ്റർ മേരിസ് കോളേജിൽ നടത്തി വരുന്ന പോം ഫോർ ടെൻഡർ വിങ്സ് എന്ന ശാസ്ത്രാവബോധ പരിപാടി സമാപിച്ചു. സമാപന സമ്മേളനവും, ചികച്ച ശലഭോദ്യാന സംരക്ഷണത്തിനുള്ള പൂരസ്കാര വിതരണവും തൃശ്ശൂർ മൃഗശാലയിലെ വെറ്ററിനറി ഡോക്ടർ ഡോ. ബിനോയ് സി. ബാബു നൂറ്ഘോടനം ക്ലബ്ബ്, കോളേജ് പ്രിൻസിപ്പൽ ഡോ. സി. മാഗി അനന്ദ് അധ്യക്ഷയായ ചടങ്ങിൽ സന്യാസാസ്ത്രവിഭാഗം, മേധാവി ഡോ. രാജി രാഘവേഷ്, അന്യശാസ്ത്രവിഭാഗം, മേധാവി ഡോ. ഡാമി രമേശ്നീയ് തുടങ്ങിയവർ സംസാരിച്ചു.

ബന്ധപ്പെട്ട ഒട്ടേറെ പ്രവർത്തനങ്ങൾ കോളേജിൽ സംഘടിപ്പിച്ചിരുന്നു. രണ്ടുവസത്തെ നാഷണൽ സെമിനാർ, ഇരുപത്തഞ്ചിലധികം സ്കൂളുകളിലും കോളേജുകളിലും ശലഭോദ്യാന നിർമ്മാണം, തൃശ്ശൂർ മൃഗശാലയിലെ ശലഭോദ്യാനം, ആയിരത്തിലധികം വിദ്യാർഥി-വിദ്യാർഥിനികൾ പങ്കെടുത്ത വിവിധ മത്സരപരിപാടികൾ, കൈപ്പുസ്തകത്തിന്റെ വിതരണം തുടങ്ങിയവ ഇവയിൽ ചിലതാണ്.

കോളേജ് അധ്യാപകരും ഗവേഷക വിദ്യാർഥികളും ചേർന്നൊരുക്കിയ ഫ്ലാറ്റൂഴ്സ് എന്ന പുസ്തകത്തിന്റെ പ്രകാശനവും ചടങ്ങിൽ നിർവഹിച്ചു. തുടർന്ന് ഭാരത കാറ്റഗറിയിലും ചികച്ച ശലഭോദ്യാനങ്ങളായി തിരഞ്ഞെടുത്ത സ്കൂളുകൾക്കുള്ള പൂരസ്കാരവിതരണവും നടന്നു.

Watch and observe butterfly in your garden



Sacred Heart Cghs, Thrissur



Govt. RSRVHSS, Velur



St. Thomas HSS, Mayannur



Release of book *Flutters on butterfly conservation*

A book on Butterfly conservation written by the coordinators was released by Dr. Binoy C Babu Veterinary surgeon, state museum and Zoo.



Release of Book Chirakazhakinu Oru Malarveedu on Butterfly Gardening



Observations of Butterfly Plants In Natural Habitat July 28, 2017



Butterfly garden visit by academicians from other institutions and distribution of plants





Distribution of plants to institutions

25 വിദ്യാലയങ്ങൾക്കു സെന്റ് മേരീസിൽനിന്നും സസ്യജാലങ്ങൾ വിതരണം ചെയ്തു

★ തൃശൂർ: ജില്ലയിലെ 25 വിദ്യാലയങ്ങൾക്കു ജൈവവൈവിധ്യ പാർക്ക് നിർമ്മിക്കുന്നതിനാവശ്യമായ സസ്യജാലങ്ങൾ സെന്റ് മേരീസ് കോളജിലെ സസ്യ, ജന്തുശാസ്ത്ര വിഭാഗങ്ങൾ വിതരണം ചെയ്തു.



ജൈവവൈവിധ്യ പാർക്ക് നിർമ്മിക്കുന്നതിനാവശ്യമായ സസ്യജാലങ്ങളുടെ വിതരണം കോളജ് പ്രിൻസിപ്പൽ ഡോ. ഡോ. മാർഗരറ്റ് മേരി നിർവഹിക്കുന്നു.

'വിദ്യാലയങ്ങൾക്കൊരു ജൈവവൈവിധ്യ പാർക്ക് പദ്ധതിയുടെ ഭാഗമായി ഔഷധസസ്യങ്ങൾ, ശലഭോദ്യാന സസ്യങ്ങൾ, ജലസസ്യങ്ങൾ, കള്ളിച്ചെടികൾ, വൃക്ഷത്തൈകൾ എന്നിവയാണ് വിതരണം ചെയ്തത്.

കോളജ് വൈസ് പ്രിൻസിപ്പൽ ഡോ. ഇഗ്നേഷ്യസ് ആന്റണി പരിപാടി ഉദ്ഘാടനം ചെയ്തു. പ്രിൻസിപ്പൽ സിസ്റ്റർ ഡോ. മാർഗരറ്റ് മേരി വൃക്ഷത്തൈകൾ വിതരണം നടത്തി. കാർഷിക സർവകലാശാല പ്രതിനിധികളായ ഡോ.പി. സുശീല, ഡോ. മായാ

ദേവി, സാമൂഹ്യപ്രവർത്തക ഇന്ദിര ഗോപിനാഥ് എന്നിവർ ക്ലാസെടുത്തു. ഗുണമേന്മയേറിയ പച്ചക്കറി വിത്തുകളുടെ വിതരണം, പരിസ്ഥിതി സംരക്ഷണവുമായി ബന്ധപ്പെട്ട വിവിധ മത്സരങ്ങൾ എന്നിവയും നടത്തി. കേര

ള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിലിന്റെ സാമ്പത്തിക സഹകരണത്തോടെയാണ് പരിപാടി സംഘടിപ്പിച്ചത്. ഡോ. റെജി റാഫേൽ, ഡോ. ഡാലിയൊമിനിക് എന്നിവർ നേതൃത്വം നല്കി.



Exhibition at St Thomas High School Mayannur



Koonamoochi school exhibition science-

Interactive session on clean sorting of solid waste-12/12/2017

A session on proper disposal of solid waste was organized in which convenor of Clean City Group Smt Sheeja interacted with the students and shared her difficult experience in sorting solid waste at the collection centre due to improper segregation and disposal of household waste.



Healthy & Sustainable Urban Livelihood Program- 12/12/2017

Class and demonstrative session on procedures for creating Urban vegetable gardens to Kudumbasree Leaders to initiate Backyard/ Terrace farming in Urban neighbourhoods



Wet land day celebration

Indigenous fish exhibition -8-9/1/2018



INDIGENOUS FISH EXHIBITION

8-9/1/2018



Ornamental Fish Exhibition And Sale- 2/ 2/ 18

Ornamental fishes are show pieces and expressions of aquatic splendor. The diverse fishes that are attractive in colour, peculiar in shape and decorative in purpose are cherished as pets and the art of fish keeping, since a long time is fancied as a hobby. Apart from a mere food purpose or recreational value, fishes had a keen role to play in the day to day life of humans, from time immemorial

An exhibition was conducted on ornamental fishes and indigenous fishes. Stalls showcasing different varieties of ornamental fishes were set. Ornamental fishes like sword tail, platy, molly. Fish aquarium accessories was also an important attraction of the event. In order to create awareness about fish keeping an ornamental fish exhibition and sale was also conducted.

ORNAMENTAL FISH EXHIBITION AND SALE- 2/ 2/ 18



Aquarium setting competition



Aquarium setting competition prize winners



Exhibition and Environmental Conservation Class at St Pauls Public School Cbse-2/2/2018



Butterfly of Kerala -Exhibition -2/2/2018



Talk on wetland birds-7/2/18

Wetlands are areas of marsh, ponds, swamps, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salty, including areas of marine water, the depth of which at low tide does not exceed six meters. Wetlands are extremely important areas throughout the world for wildlife protection, recreation, sediment control, flood prevention, educational and scientific uses. Wetlands play an important role in the socio-economic stability of local community activities such as fisheries (fresh and saltwater). Waterbirds are an important component of most of the wetland ecosystems, as they occupy several trophic levels in the food web of wetland nutrient cycles. Waterbirds are broadly defined as “birds ecologically dependent on wetlands” and include recognized groups popularly known as wildfowl, waterfowl, shore birds and waders. A class on wetland birds was conducted by Dr. Jain J Therattil. Followingly students conducted bird watching and survey of wetland birds



Wetland bird watching and survey 9/2/18



One day University Level Seminar Wetlands For Sustainable Urban Future-12/2/2018

Wetlands are the life support systems that ensure functioning of water cycle. India is endowed by a rich diversity of wetlands ranging from high altitude wetlands of Himalayas, floodplains of mighty rivers as Ganges and Brahmaputra, lagoons and mangrove marshes on the coastline and reefs in the marine environments.

Wetlands are vital for our water and food security. As 'kidneys of landscape', wetlands receive flows of water and waste from upstream sources. They help stabilize water supplies, cleanse polluted waters, protect shorelines, and recharge groundwater aquifers. The extensive food chain and biological diversity in wetlands make them 'biological supermarkets'. Wetlands are valuable sources, sink and transformers of a multitude of biological, chemical and genetic material. In addition, wetlands have special attributes as cultural heritage of humanity, and have deep connections with our beliefs and practices. They are indeed an important part of our natural wealth and "liquid assets".

A One day university level seminar on WETLANDS FOR SUSTAINABLE URBAN FUTURE was conducted to create awareness among the students about the importance of wetlands.

SESSION I- Conservation of wetland fishes - Fish diversity of Kole wetlands of Thrissur by Swapana Johny, Assistant professor Little Flower College, Guruvayoor

SESSION II- Wetland conservation – Role Of Wetlands In Sustainable Future by Sindhu N V, Assistant professor Vimala college



ONE DAY UNIVERSITY LEVEL SEMINAR WETLANDS FOR SUSTAINABLE URBAN FUTURE



Poster presentation competition 12/2/2018

I Sreelakshmy P S- 4 SEM BSC. ZOOLOGY ST. THOMAS COLLEGE

II ARCHANA T S – 2 SEM ST MARYS COLLEGE

III MALAVIKA SASI – 2 SEM ST. MARYS COLLEGE THRISUUR