

## **8. Special work/achievement during the Swachhta Pakhwada(17- 31 Oct, 2016)**

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#### **DHEEVARA SABHA ACTIVITIES FOR REVIVING VEMBANAD LAKE**

From time immemorial, the estuaries of Kerala are known to support shrimp farming, small scale fishers and clam fishing. Among the 44 rivers and associated estuaries, Vemabanad Lake especially the coastal areas of Cochin backwaters have been famous for its fish and shrimp resources. But the impacts of urbanization and industrial development resulted in the accumulation of anthropogenic waste especially non degradable litter, affecting the water quality of Cochin backwaters.

As a Scientific organisation, CMFRI has been evaluating the impacts of litter on ecosystems since 2007, and the threat is evident. Different types of surveys including transect / quadrant and participatory surveys were conducted in the marine and estuarine regions to assess the quantity of litter on the surface, column and bottom. The litter collected per unit area and time were sorted and categorised for its abundance estimation studies. The qualitative and quantitative analyses were also conducted to assess the impact of litter on Biota. Apart from these, surveys were conducted to understand the opinion of fishermen on fish catch, the problems which they identify as threat to their livelihood and these were graded into critical, high, moderate and low and the percentages calculated. The studies conducted by CMFRI indicate that there are negative impacts on the coastal ecosystem and the functional services are affected by the huge quantity of solid waste which flow through or spreads on the substrate.

Coming to fishery all the fisher men was of the opinion that there is a drastic decline in fish catch. Though decline is not entirely due to litter spread and habitat changes, it is clearly evident that the benthos which forms main food of many fishes has declined especially in areas which are polluted by plastics and other litter. Aggregation of litter results in clogging of canals, increased sedimentation which reduced the depth of the estuary, reduction in flow and, low oxygen conditions which ultimately results in decline of many commercially important fishes.

Since fisher men are directly impacted by the increase in litter some attempts have been made by themselves to remove it for reviving vembanad lake. One such attempt is under process by the youth belonging to All Kerala Dheevara Yuvajana Sabha(AKDYS) The litter accumulated in the shore line area is submerged with mud and very difficult to remove. They have hired a canoe and by using pump they splash water over the substrate during low tide to loosen the settled litter and then manually removing it from there. The program was inaugurated on 2<sup>nd</sup> October, 2016. During the period from October 3<sup>rd</sup> to November 4<sup>th</sup> they have removed about 15.5 tonnes from the shore line area between Kinco boat jetty to rainbow walk way. The collected litters packed in bags were removed by Cochin Corporation.

## Role of CMFRI:

Number of placards with a theme to protect our water bodies and against pollution were prepared by the Fishery Environment and Management Division of CMFRI and handed over to them to create general awareness to local people who reside in coastal villages. FEMD is regularly visiting their cleaning sites and activities to assess and quantify the litter collected for carrying out the abundance estimation studies.



**Painting competition for children**

**KOCHI:** The CMFRI, as part of the Swachh Bharat campaign, is organising a painting competition for schoolchildren on the theme 'City Life'. Only water colour paintings done on drawing sheets with a length of 38 cm and breadth of 28 cm are allowed for the competition. Works done by students of LP and UP categories should reach Dr. Shyam S. Salim, Nodal Officer, Swachh Bharat Abhiyan, CMFRI, Ernakulam North PO, Kochi - 682018 before October 28. For details, call 9539749915 or 994710900.  
— Special Correspondent

**സ്കൂൾ വിദ്യാർത്ഥികൾക്ക് ചിത്രരചനാ മത്സരം**

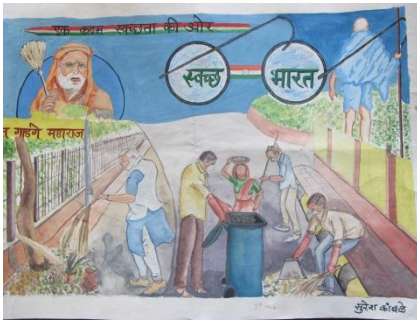
**കൊച്ചി:** സ്വച്ഛ് ഭാരത് അഭിയാൻ്റെ ഭാഗമായി കേന്ദ്ര സമുദ്രമത്സ്യ ഗവേഷണ സ്ഥാപനം (സി.എം.എഫ്.ആർ.ഐ.) സ്കൂൾ വിദ്യാർത്ഥികൾക്കായി ചിത്രരചനാ മത്സരം നടത്തുന്നു. എൽ.പി., യു.പി. വിഭാഗങ്ങളിലായാണ് മത്സരം. 'നഗര ജീവിതം' എന്ന ആശയത്തിലാണ് മത്സരം. 38 സെ. മീറ്റർ നീളവും 28 സെ. മീറ്റർ വീതിയുമുള്ള ഡ്രോയിംഗ് പേപ്പറിൽ ജലച്ചായത്തിലാണ് വരയ്ക്കേണ്ടത്. സൃഷ്ടികൾ 28ന് മുമ്പായി ഡോ. ശ്യാം എസ്. സലീം, നോഡൽ ഓഫീസർ, സ്വച്ഛ് ഭാരത് അഭിയാൻ, സി.എം.എഫ്.ആർ.ഐ., എറണാകുളം നോർത്ത് പി. ഒ., പിൻ - 682018 എന്ന വിലാസത്തിൽ അയക്കണം. വിവരങ്ങൾക്ക് : 95397 49915.

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In connection with Swachh Bharat Pakhawada 2016, Mumbai RC of CMFRI has organised painting competition for staff and their family members on 14.10.2016 under the theme “Making India Clean”. The competition was aimed to create awareness about activity of the Swachh Bharat Mission. The winners of the competition were felicitated during valedictory function of Hindi Pakhawada by Chief guest Dr. S.D. Tripathi, former Director, ICAR-CIFE and Dr. Anil Choubey, SIC, CSIR-NIO, Mumbai Regional Centre. The prizes were distributed under staff, women (family member) and students (family member).



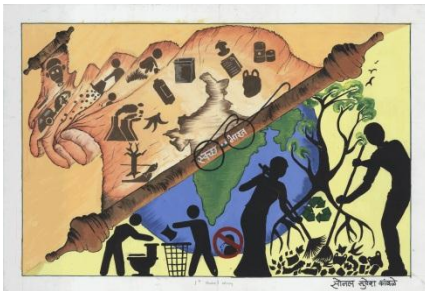
First Prize (Staff)



Second Prize (Staff)



Third Prize (Staff)



First Prize (Student)



Second Prize (Student)



Third Prize (Student)



First Prize (Women)



Prize Distribution



Prize Distribution

## **22.10.2016: World's largest mass cleanup drive at Versova beach**

As a part of Swachh Bharat Pakhawada (17<sup>th</sup>-31<sup>st</sup> October 2016), Mumbai RC of CMFRI jointly participated in the world's largest mass cleanup drive at Versova beach along with the Versova Residents' Volunteers (VRV), Bombay Municipal Corporations (BMC) staffs and local citizens on 22.10.2016 from 8.00 to 11.00 am. During the drive three truck load of garbage have been removed and transported to the nearby dumping station.



## © Veraval Regional Centre of ICAR-CMFRI

### Swachh Bharat Rangoli

#### Competition:

As a part of the Public awareness and responsibility towards the Cleanliness Drive, Rangoli competition on Swachh Bharat Theme was organized at the VRC of CMFRI on 3rd October at the ground floor of the Centre. The competition was held among the staffs of RC with 22nos of Participants. All the staffs effectively participated and it judged by Scientists of CMFRI and CIFT.



## Swachh Bharat Drawing Competition at With School Children:

As part of the Swachhta Pakhwada, VRC of CMFRI organized Drawing Competition at Vrindavan Primary School No. 1, Bhalka, Bhalpara, Veraval, Girsomnath, Gujrat. About 30 nos of students from different Classes Take part and competition and the entire student participated in the Programme. The students were delivered about the needs of Swachhta in the real life and explained about their benefits by SIC and all Scientists of the Centre.

The drawing Competition was on the Swachh Bharat Abhiyan theme and the winner and other participants are felicitated with prize. Sanitation kit was given to the students from our Centre to habituate towards cleanliness.

