

SUSTAINABLE SEAFOOD NETWORK INDIA

Newsletter of the SSNI



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On the occasion of the World Fisheries Day 2021 a photo competition to highlight fisheries sustainability.

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An infographic shows how the MSC certification process is done in India.

About SSNI

Sunil Mohamed, Chair of SSNI
<https://ssni.co.in/>

The sustainable seafood network of India aims to bring together people and organizations to pursue common goals that cannot be undertaken in individual capacities.

SSNI aims to share information related to sustainable seafood, coordinate related activities and join forces for such activities that require joint efforts.

This occasional newsletter highlights events and activities that have a great bearing on sustainable seafood in India.



By Saranya A Sankar, Coordinator SSNI

On this World Fisheries Day, the SSNI in partnership with the MSC, London presents a photographic competition with the theme 'Celebrating progress in fisheries sustainability in India'. The photographic competition is an open and no-cost contest. With this activation, the hosting partners seek to inspire and capture the wild, marine environment and all its wonderful resources we depend on for our livelihoods, particularly wild-capture fisheries. This special calendar day reminds us to take action today to ensure seafood for future generations. For more information and guidelines log on to: <https://ssni.co.in/world-fisheries-day/>

Photographic competition to celebrate World Fisheries Day

ഈ ലോക മത്സ്യത്തൊഴിലാളി ദിനത്തിൽ, മറൈൻ സ്റ്റീവാർഡ്ഷിപ്പ് കൗൺസിലും (MSC) സസ്റ്റൈനബിളിറ്റി സീഫുഡ് നെറ്റ്‌വർക്ക് ഓഫ് ഇന്ത്യയുടെ (SSNI) പങ്കാളിത്തത്തോടെ, "ഇന്ത്യയുടെ മത്സ്യ സുസ്ഥിരതയിലെ പുരോഗതി" എന്ന വിഷയത്തിൽ ഒരു ഫോട്ടോഗ്രാഫിക് മത്സരം സംഘടിപ്പിക്കുന്നു. ഈ ഫോട്ടോഗ്രാഫിക് മത്സരത്തിലൂടെ മത്സ്യബന്ധനം, മത്സ്യത്തൊഴിലാളികൾ, തീരദേശ സമൂഹങ്ങൾ, സമുദ്രങ്ങളുടെയും മത്സ്യസമ്പത്തിന്റേയും അവസ്ഥ എന്നിവയെക്കുറിച്ചുള്ള വർദ്ധിച്ചുവരുന്ന അറിവിനെക്കുറിച്ച് പ്രതിഫലിപ്പിക്കുന്നതിനും ഭക്ഷണവും പോഷണവും നൽകുന്ന മത്സ്യത്തൊഴിലാളികളുടെ സംഭാവനകളെ തിരിച്ചറിയാനുള്ള അവസരമാക്കുവാൻ ഞങ്ങൾ ലക്ഷ്യമിടുന്നു. നമ്മുടെ ഉപജീവനത്തിനായി ആശ്രയിക്കുന്ന മത്സ്യസമ്പത്തും ആരോഗ്യകരമായ ജല ആവാസവ്യവസ്ഥയും സംരക്ഷിക്കുന്നതിന്റേ ആവശ്യകതയുടെ ഒരു ഓർമ്മപ്പെടുത്തൽ കൂടി ആണ് ഈ ദിനം. ഈ പ്രത്യേക ദിനം ഭാവി തലമുറകൾക്ക് സമുദ്രവിഭവം ഉറപ്പാക്കാൻ ഇന്ന് തന്നെ നടപടിയെടുക്കണമെന്ന് ഓർമ്മിപ്പിക്കുന്നു.

ഈ ഫോട്ടോഗ്രാഫിക് മത്സരത്തിൽ പങ്കെടുക്കാനും വിശദവിവരങ്ങൾക്കുമായി ലോഗിൻ ചെയ്യുക : <https://ssni.co.in/world-fisheries-day/>

By Dr V R Madhu, Principal Scientist, ICAR-CIFT, Kochi

Field trials to demonstrate the utility of using square mesh codends in the fishery was carried out at Shakthikulangara Fishing Harbour, Kollam, Kerala. Two trawlers, with the same dimensions and engine power, were selected for the demonstrations on 23rd February 2021.

The control vessel used the traditional codend used for shrimp trawling which had a mesh size of 25 mm diamond mesh, whereas, in the other trawlers, a square mesh codend made from 25 mm diamond mesh was used. All parameters like the design of the trawl net, shooting and retrieval procedures of the net, the time of each haul, warp released etc. that could affect the overall catch rate was kept constant in both the vessels. Mr Chinnadurai, Scientist and Mr Nobi, P.S. and Dr Dhijudas, P.H., Technical officers from ICAR-CIFT were present onboard to manage the fishing operations and collect and quantify the catches.

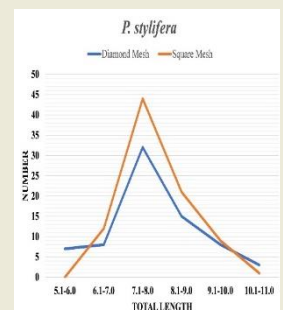
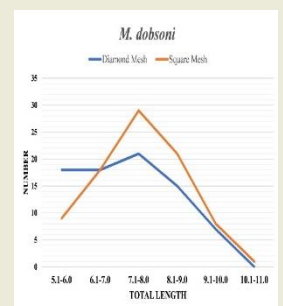
Each haul was towed for 75 minutes duration and after the catch was emptied to the deck, the weight of the total catch and samples were collected from the total catch for species identification and length and weight measurements. A total of 3 hauls each were carried out using the diamond and the square mesh codends. The diamond mesh codend had a total catch of 295 kg, from all three hauls, whereas the total catch from the square mesh codend was 270 kg, which is about 8.47% less in the quantity in square mesh codend when compared to the diamond mesh. However, the retained catch (after throwing away the discards) in square mesh codend was 83 kg, compared to the 73 kg in diamond mesh codend. The percentage increase in the retained/valuable catch in square mesh codend was 13.2%, compared to diamond mesh. The overall percentage decrease in the discards in square mesh codend was calculated as 8.26.

The total revenue generated by the diamond mesh rigged trawler for three hauls was Rs. 9700, compared to Rs. 12000 in the square mesh codend, which in percentage terms is 23.7 better.

The fishermen aboard were pleased with the square mesh codend's results and expressed a willingness to use it regularly. The clean catch, with less debris and other discards, when using square mesh codend, was the most significant aspect that drew them in. When compared to shrimp captured in diamond mesh codend, another aspect that raised the price of shrimp was the uniform shaped and larger shrimp caught. The length of shrimp captured in the square mesh codend improved by around 10% on average. Due to the lower count of shrimp collected in square mesh codend, fishers could get a better price per unit weight.

More demonstrations are scheduled for other fishing harbours in Kerala in the coming months to help fishermen realize the importance of adhering to the legal codends, both for the long-term sustainability of the resources and higher earnings from their catch.

Initial results of square mesh codend trials in trawls



MSC Process Flow - INDIA

