









Report

on

the Observance of

International Day for the Conservation of

the Mangrove Ecosystem - 2020

Organized by

ENVIS Resource Partner

on

Forest Genetic Resources and Tree Improvement Institute of Forest Genetics and Tree Breeding (Indian Council of Forestry Research and Education) Coimbatore

Observance of International Day for the Conservation of the Mangrove Ecosystem by IFGTB ENVIS

The ENVIS Resource Partner on Forest Genetic Resources and Tree Improvement at the Institute of Forest Genetics and Tree Breeding, Coimbatore commemorated **International Day for the Conservation of the Mangrove Ecosystem** on **27.07.2020**. The main aim of this event was to raise awareness about the importance of mangrove ecosystems and to promote solutions for their sustainable management and conservation following the mandatory protocols to contain the spread of COVID 19.

Dr C Kunhikannan, Director, IFGTB during his inaugural address, explained how mangrove contributes to the wellbeing, food security and protection of coastal communities worldwide. They harbour a rich biodiversity and support a number of threatened and endangered species in addition to commercially important species. Mangroves also provide a valuable nursery habitat for fish and crustaceans, he added. It is essential to plant more mangrove species and increase their density, Dr Kunhikannan explained.

Dr Kannan CS Warrier, Scientist F and ENVIS Coordinator spoke on the role of mangroves as effective carbon sinks, sequestering vast amounts of carbon. Carbon emissions from mangrove deforestation account for up to 10% of emissions from the deforestation globally despite covering just 0.7% of land coverage. Mangroves also act as a form of natural coastal defence against storm surges, tsunamis, rising sea levels and erosion, he explained. He also highlighted that, in a recent research, mangrove forests were found to provide ecosystem services (benefits to humans) valued at \$194,000 per hectare annually. However, mangroves vanish 3 to 5 times faster than global forest declines with major environmental and socioeconomic impacts. And since 1990, the area of mangroves has decreased by 1.04 million hectares. Quoting the recent statistics of Forest Survey of India, he pointed out that the mangrove cover has increased by 54 sq km in India during 2017 to 2019. Among the 12 major mangrove habitats in India, the positive trend could be observed in the states of Gujarat (37 sq km), Maharashtra (16 sq km) and Odisha (8 sq km) and the marginal decline was reported in Tamil Nadu (-4 sq km), West Bengal (-2 sq km) and Andaman and Nicobar Islands (-1 sq km). Though Tamil Nadu lost, 4 sq km of mangroves, the State recorded an increase in the forest cover to the tune of 83 sq km that is a marginal increase of 0.32% over 2017, he observed. Participatory forest management practices like developing locally-led communities for the protection and conservation of mangroves is the need of the hour.

An awareness poster signifying the status, contributions and conservation of mangroves was released during the occasion and was electronically transmitted to students and stakeholders.



















