

BAMBOO NEWS

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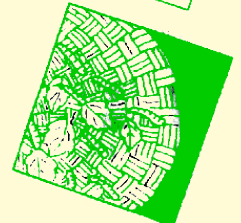
BAMBOO NEWS

March, 2020

EDITORIAL

Bamboo Society of India feels proud to publish several articles written by Smt. Pavithra G. M from Institute of Wood Science and Technology, Malleshwaram, Bengaluru on Bamboo. It indicates her interest, involvement and enthusiasm towards Bamboo cultivation. In this article, the writer tried her best to mention the impact of Covid-19 on Bamboo Industry. When Bamboo is not available to these Industries indigenously, the needy people have imported Bamboo sticks from Vietnam and China. Due to Covid-19 epidemic, it has hit this Industry very badly.

The writer mentioned in this article regarding the damage caused due to burning of plastic in the open air and how it affects human life etc. It is known to everyone that Bamboo excels more oxygen than a tree. Hence growing or cultivation of Bamboo has many fold benefits to human being. Bamboo Society of India appreciates the efforts of the writer in analysing the hazards caused due to the plastic use and hence people at large have to take a U-turn from plastic to Bamboo.



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Impact of COVID -19 on Bamboo Industries as an alternative source in replacing plastic: An Overview

Introduction

Globally, more than 1,250 species under 75 genera unevenly distributed in the various agroclimatic zones. Bamboo is vital to India's post COVID 19 – economy and it has been offered an opportunity for the country to strengthen its economy with the support of vast Bamboo resources. Forest & environment ministry policies supporting bamboo industry in this outlook. The Union Government in 2017 amended the Indian Forest Act through which bamboo was classified as a grass and it ceased to be a tree. However, bamboo grown in forest areas continues to be under the provision of forest laws

Alternative bamboo products: guaranteed to end up in land fill site taking hundreds of years to breakdown. Plastics include a wide range of synthetic or semi synthetic organic compounds that are malleable and can be moulded into solid objects. The properties of plastic include Resistant, Insulator, lightweight, durable, Inexpensive and easy to produce. The manufacture of plastic, as well as its destruction by incineration, pollutes air, land and water and exposes workers to toxic chemicals, including carcinogens. Synthetic plastic does not bio degrade. It just sits and accumulates in landfills or pollutes the environment. Burning of plastic in the open air, leads to environmental pollution due to the release of toxic chemicals. Plastic pollution involves the accumulations of the plastic in the environment which adversely affects wildlife, pollutes wild life habitat human habitations. Bangalore alone generates 50,000 kgs of disposable plastic sanitary pads in a single day. Workshops and webinars from various sources include resources members all over India. Polymer composite alone can be replaced by bamboo in its own ways are creating a public awareness connecting people according to their need to be in a sustainable bamboo matrix.

Causes for pandemic diseases and Effects of COVID 19 due to plastic pollution on our environment

Ocean & beaches: Light weight, in-destructive plastics garbage discarded into the seas or near waterbodies, resulted in the floating on the ocean and deposits in the beaches worldwide. Aquatic diversity ingests plastic bags mistakenly for foods, die. The ingested plastic bag remains intact even after the death and its decomposition. Landscape: During manufacturing process, some of its constituent (chemicals) are highly toxic (cause cancer) and flammable. Plastic recycling is associated skin and respiratory with problems.

May Be our first toothbrush is still alive at the Womb of Nature

Yes, our body cleansing process starts with brushing our teeth. The toothbrush became a part of the plastic crisis. Small acts, when multiplied by millions of people, can transform the world.

Table 1. A sustainable alternative to plastic toothbrush is bamboo toothbrush, it's a simple switch that everyone can make today is to swap out the plastic toothbrush. The bristles used in bamboo toothbrushes is of three types: nylon, boar and biodegradable vegan bristles.



Table 2 Hundreds of local artisans trained to make handcrafted leak-proof bamboo bottles under Pradhan Mantri Van Dhan Vikas Yojana in Tripura. Weaved basketries for multipurpose according to the requirement also Various Furniture set a great eco-friendly model to promote eco-friendly products.



Table 3 Photo Source: Anubhav Mittal Ji Designed and promoted specially to replace Plastic Usage: Bamboo Reusable Crockerries, Bamboo Tea Mugs, Bio-Degradable Bamboo Plastic Bamboo Spoons Also Some One Time Usable Products Like Coffee cupwith Cap, Egg Trays, Food Trays etc., For more details www.biomize.in, info@biomize.in 9818288803



Table 4 Photo source: Tony Paul Chief executive officer Uravu is an amazing centre for bamboo solutions dedicated a special program to empower rural livelihood and relief for women artisans of Wayanad during COVID-19 It is very unique and special. The knowledge they possess is an asset to the nation and sustainable development. Public involvement in establishing in building sustainable bamboo community with the theme Bamboo & Beyond. For more Details Uravu Indigenous Science & Technology Study Centre Thrikkaipetta P.O. Wayanad, Kerala, India, PIN: 673577 Phone: 079027 48292, 04936 231 400, 079027 93203 <https://www.uravu.in/>

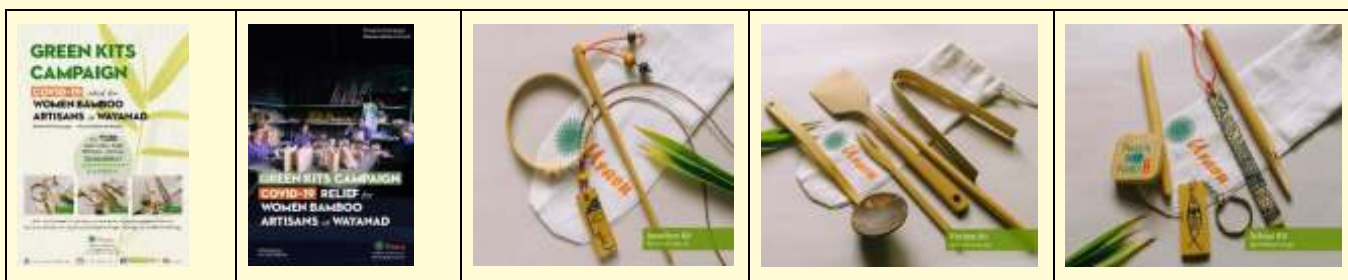


Table 5 Bamboo Mats and Mat-based products, Home décor, Handicrafts/ lifestyle products showcased by different organisations set a great example to go eco-friendly and cost-effective Bamboo Utilities for regular purposes. Thermally Modified Bamboo Strips: hygroscopic in nature by vacuum pressure treatment Bamboo pedal operated hand sanitizers manual and Auto- sensor operated designed by Vivek Nedumpally and his team of skilled craftsmen Bageesh, Ratheesh, Jayesh, and Safi from Kerala State Bamboo Corporation. Bamboo woven masks (rectangular style with cotton fabricated and cup shaped mat-style woven) for comforts.



Table 6 Photo Source and the Designer Craftsman also Bamboo Craft- Trainer in the past 17 years and more Rajiv V K, Wind Craft, Thattekkani P.O, Idukki District, Kerala. All these products use bamboo's natural properties to create functional, elegant products from coat hangers to lampshades. He is well-known for his creativity in sustainable consumption of bamboo and endless effort on sustainable development which in turn contributing a great service to choose bamboo instead of plastic. For more details: rajivwind@gmail.com 9961972376



Nature is functioning as its needed to do!!! Experience with environmental permitting, compliance, source testing and site assessments would be a plus. Excellent presenting skills and technical writing required. COVID-19 is a bad master teaching the world by punishment for all human unlawful acts. It's a greatest challenge to understand and accept the situation. Bamboo industry is thriving to bring us out from this painful pandemic environment and to restart our living being more aesthetic and organized with a slogan "Live and Let Live"

The author is thankful to Mr. Gurupreet Singh for creating an India's largest Bamboo Resources group on what's app media, stay connected stay safe. For more details: guroofarms@gmail.com and 9927091575

Book-Post

To

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