

*Promote Bamboo as a Low-carbon Plastics
Substitute for Green Development*

*Promote the Action of Substituting Bamboo for Plastics
to Build a Clean and Beautiful World*



Celebration of INBAR's 25th Anniversary The Second Global Bamboo and Rattan Congress

7-8 November 2022
Beijing, China

ABSTRACTS

“Bamboo and Rattan - Nature-based Solutions for Sustainable Development”

Celebration of INBAR’s 25th Anniversary The Second Global Bamboo and Rattan Congress

Abstracts

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Bamboo in the Brazilian hotel chain

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Abstract: In 2021, the ‘Bioeconomy in the hotel chain’ project was developed, focusing on the use of natural fibers, with a great emphasis on bamboo, with the proposal to replace non-renewable raw materials with renewable raw materials in hotel areas and articles, involving research and development of new products oriented to design and technological innovation.

Studies carried out by the researchers indicate that the largest purchases, in quantity/volume, of the hotel chain are items for personal and disposable use, such as cups, cutlery, shower caps, slippers and packaging of amenities. The large volume causes concern in waste management. The biggest purchases, of value, are the items with greater replacement of common and private areas. The most replacement items in the rooms: chairs, lamps, lamps, pillows, curtains and paintings. In the common areas, the carpets, decoration and furniture, such as sofas and tables, stand out. In wet common areas, which are outdoors, they also demand a large part of the maintenance budget. Another relevant point in the research was the possibility of domestic and decorative items in the kitchen and in restaurants.

The conclusion of the research points to several opportunities for the use of bamboo that would increase the perception and presence of sustainability. According to the survey, more than 70% of guests say that sustainability is an important factor in their booking. In addition to the items mentioned above, which could be replaced entirely by bamboo items, he emphasizes that bamboo can also be used in civil construction as a structure and finish, and in staff uniforms and accessories.

Keywords: *hotel, marketplace, guests, cebis, tourism*

Seed germination and seedling growth of *Dendrocalumus brandisii* in vitro, and the inhibitory mechanism of colchicine

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