



## B'NANA PLATE

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***Abstract***—It is a combination of banana leaf and starch powder designed as a wrap plate that is capable of sustaining the taste and heat of the food and ensure that the food wrapped lasts longer with great banana leaf fragrance. There are several alternatives available when looking for eco-friendly food containers. Banana leaf has become the “green gold” of today's world because it has many beneficial qualities when compared to harmful and wasteful materials such as plastic. It's time to wake up to the green alternative that really is a planet saver, banana leaf. Banana Leaf is a highly renewable, natural material that has antibacterial, antifungal properties and is biodegradable as opposed to plastic. This pack is precise size and light in weight and able to maintain heat the food for up to 30 minutes. Banana Leaf Pack is a very eco -friendly packaging good for ensuring the freshness and durability of food as well as affordability. This pack is fully-made up of organic materials that will never be a waste product instead will decay which could be used as a fertilizer in the future. This provides an alternative way to reduce the usage of chemical fertilizers. Organic matter is a material that people use in gardens because of its carbon-based compounds. Moreover, banana leaves contain large amounts of polyphenols which are known as natural antioxidants. These antioxidant can be mostly found in plant-based foods. Banana leaves absorb the polyphenols which are said to prevent many lifestyle diseases and kill germs in food.

***Keywords***—antifungal, polyphenols