



# PASUMPON MUTHURAMALINGA THEVAR COLLEGE

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Principal

Date: 25.10.2021

## **CIRCULAR**

**(PMTC-2021-2022-TSA-TSS-C-238)**

Dear Teachers / Office Staff / Students,

Good morning to everyone!

The Mega Expo titled “**Alternatives to Plastic**” is organized today (25.10.2021) by the Sociology Department of our College.

In our plastic-filled world, avoiding plastic can be pretty challenging. Some of the most common places we see plastic are covered with items we buy every day. Above all, it is a great way to keep food and cosmetics clean and fresh. But, plastic is lurking in some unknown places. When you look carefully around your house, you may be surprised at the number of items that come with plastic.

Plastic is made from natural materials such as cellulose, coal, natural gas, salt and crude oil through a polycondensation process. Plastics are a wide range of synthetic or semi-synthetic materials that use polymers as the main raw material. Their plasticity makes it possible to shape, extrude or compress plastics into solids of various shapes.

The problem with plastics is that most of them are not biodegradable. It doesn't rot like paper or food, instead it hangs around for hundreds of years. More than eight million tons of plastic enters the world's oceans each year, most of which are discharged from the land. Plastic sticks in the environment are threatening wildlife over time and spreading toxicity. Plastic contributes to global warming. The burning of plastics in incinerators also releases climate-destroying gases and toxic air pollutants.

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It is becoming much easier to find alternatives to common items such as plastic bottles and plastic packaging. Here are some long-term plastic alternatives available now.

**Stainless steel:**

Steel options for storing hard and easy cleaning, reusable food and beverages have increased in recent years. This durable metal can replace single-use cups, kitchen storage, lunch boxes and more.

**Glass:**

Although not biodegradable, glass is dull, inexpensive and can be recycled endlessly. With so many more food items packed in glass, raising glassware for food storage is an inexpensive way to give your food packages a new lease of life. Jars from jam, honey, pickles, nut butter and more can be added to your waste-free kits to shop from wholesale bins. The remaining and home-made drinks can be re-exchanged for storage or decorated and turned into homemade gifts.

**Platinum silicone:**

Made primarily of sand, food grade platinum silicone is flexible and durable. It can withstand heat, so you can boil, bake and cook these items. Look for silicone products that do not contain plastic additives.

**Beeswax-coated cloth:**

Used primarily as an alternative to plastic wrap and plastic bags, beeswax-coated cloth is easy to use and easy to clean. It smells good too.

**Natural fiber cloth:**

Plastic bags can be replaced with natural fabric. Fixed garments made of organic cotton, wool, hemp or bamboo. Do not shed plastic fibers when washed. Felt or recycled wool is a versatile, safe and biodegradable material for baby toys, household utensils and more.

**Wood:**

Converting plastic, renewable, sustainable management wood into household items such as wood, brushes, kitchen utensils and cutting boards.

### **Bamboo:**

This fast-growing renewable resource will replace plastic in items such as tableware and drinking straw. It is lightweight, durable and biodegradable.

### **Pottery:**

For thousands of years, pottery and other baked pottery have provided a sustainable, waterproof alternative that is good for food storage and tableware. Look for non-toxic polishes.

### **Paper:**

Nowadays, many things are wrapped in ordinary paper. Although better than plastic, paper cannot be recycled countless times because every time it is reused, the fibers shrink and restrict its use. Fortunately all paper except glossy paper is safe to keep compost in your home.

### **Cardboard:**

You guessed it the house was completely biodegradable and plastic until the cardboard was coated. Many companies now reduce waste by packing their products in ordinary cardboard boxes. You can also use cardboard boxes to change storage containers in your home.

It is evident from this mega expo that some people including teachers and students of this sociology department are busy in creating plastic alternatives. My heartfelt thanks to the faculty and students of our College Sociology Department who hosted this Mega Expo on the topic of "**Alternatives to Plastic**" that is considered a necessity of the times.



Dr. O. Ravi  
Principal

Copy to:-

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2. The Controller of Examinations, PMT College, Usilampatti.
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