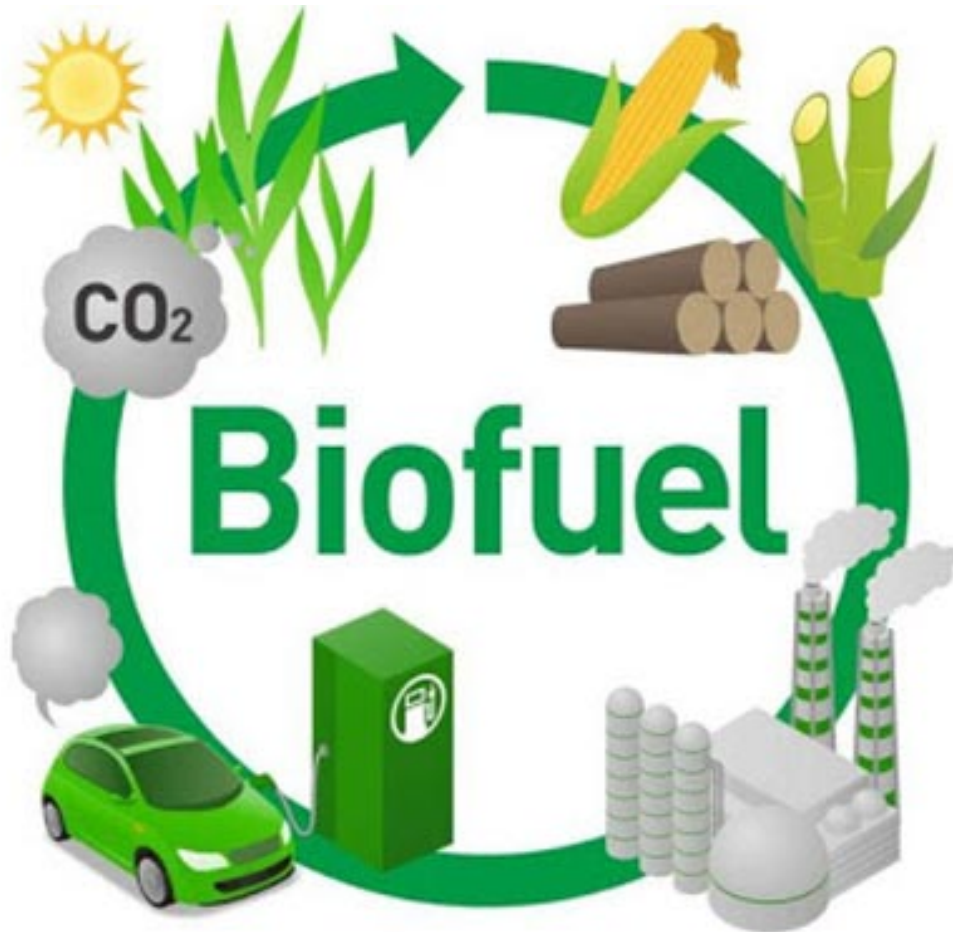


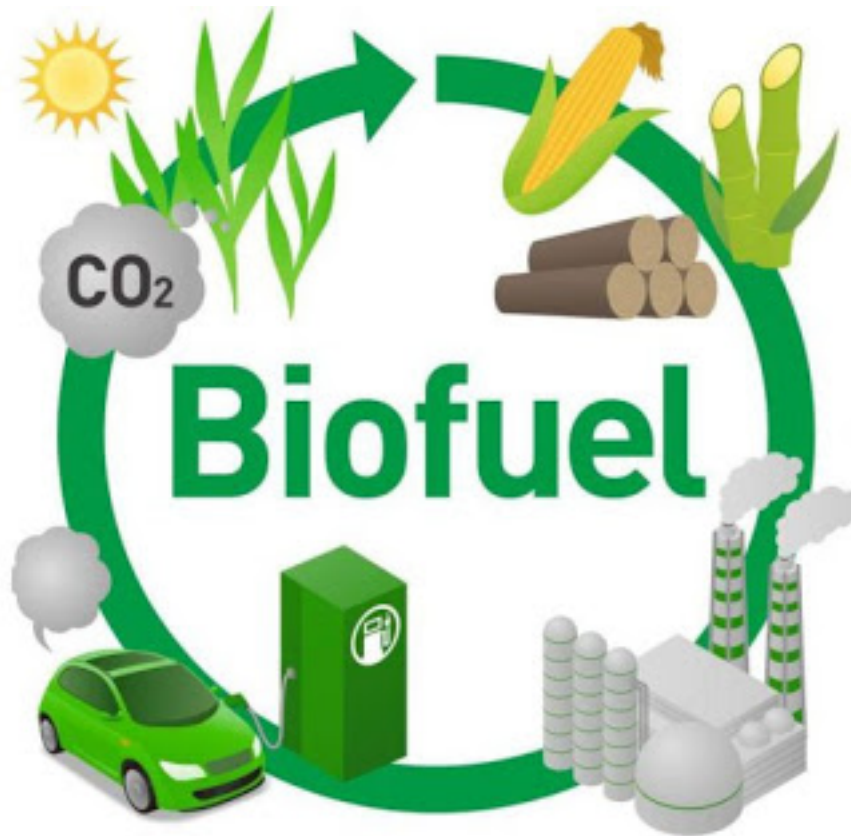
World Biofuel Day

By IAS Toppers | 2021-08-11 17:50:00



World Biofuel Day

World Biofuel Day is **observed on August 10** to raise awareness of the importance of non-fossil fuels as a substitute for conventional fossil fuels.



[Ref: life24into7]

- **Theme for World Biofuel Day 2021:** Promotion of biofuels for a better environment

About World Biofuel Day:

- The day honours the research experiments by **Sir Rudolf Diesel** who ran an engine with peanut oil in the year 1893.
- His research experiment had predicted that vegetable oil is going to replace fossil fuels in the next century to fuel different mechanical engines.
- The World Biofuel Day is being observed by the **Ministry of Petroleum & Natural Gas** since **2015**.

Significance:

- The day is to raise **awareness to replace the traditional fossil fuels** with non-fossil fuels.
- The aim is **not to replace fossil fuels** completely but to form a balanced policy.

About Biofuels:

- Biofuels are **environment friendly fuels** and their utilization would **address global concerns** about containment of carbon emissions.
- Biofuels are **derived from renewable bio-mass resources** and, therefore, provide a strategic advantage to promote **sustainable development** and to supplement conventional energy sources.
- Biofuel will have a **positive impact on the environment** which will help in improving the economic

condition of the country.

- Compared to diesel, biofuel is proven to be **less toxic**.
- Biofuels help in **reducing the dependence on crude oil** and fostering a cleaner environment.
- It also generates additional income and employment for rural areas.
- The use of carbon fuels will **reduce carbon emissions** and meet the energy requirements of the 21st century.
- Biofuel can improve energy security through domestic energy crops. The plants used to produce biofuel do not involve the use of imported crude oil.
- The biofuels programme is also in synergy with the Government of India initiatives for **Make in India, Swachh Bharat and enhancing farmers' income**.

Important Biofuel categories in India:

- Bioethanol
- Biodiesel
- Advanced biofuels
- Drop-in fuels
- Bio-CNG

Initiatives taken by government for Biofuel promotion:

- **E-100 pilot projects** in Pune city by Public Sector Oil Marketing Companies (OMCs) to enhance fuel choice and facilitate sale of E-100 fuel.
- Target of **20% ethanol blended petrol** has been preponed to 2025, by five years.
- Government has **increased the price of C-heavy molasses-based ethanol** to Rs. 45.69 from Rs. 43.75 to give a boost to EBP Programme.
- Price of B-heavy molasses-based ethanol and sugarcane juice-based ethanol has been raised.
- Government has **reduced GST on ethanol** for blending in fuel from 18% to 5%.